SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

The Minutes of the earlier meetings are confirmed

SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

Subject: Environment Clearance for Proposed Expansion of Synthetic Organics industrial project at Plot No. 3-C, Taloja MIDC, Tal. Panvel, Dist. Raigad

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

1.Name of Project	Proposed Expansion of Synthetic Organics industrial project at Plot No. 3-C, Taloja MIDC, Tal. Panvel, Dist. Raigad
2.Type of institution	Private
3.Name of Project Proponent	Purushotham P. Agarwal
4.Name of Consultant	Mantras Green Resources Limited
5.Type of project	Industrial Expansion Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing Project is prior to EIA notification hence no Environment Clearance is obtained for existing project.
8.Location of the project	Plot No. 3-C, Taloja MIDC, Tal. Panvel, Dist. Raigad
9.Taluka	Panvel
10.Village	Padghe
11.Area of the project	MIDC area
12.IOD/IOA/Concession/Plan Approval Number	Approval from MIDC is obtained for plant layout
	IOD/IOA/Concession/Plan Approval Number: CCPL MIDC agreement No. 6.11.2001 and Plan Approval as per letter no. EE/TLJ/Camp/201 dated 16.2.2004
	Approved Built-up Area: 8400.15
13.Note on the initiated work (If applicable)	Existing Factory production is in process
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	14155.05
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12121.75
	b) Non FSI area (sq. m.): 2033.3
	c) Total BUA area (sq. m.): 11400
19.Total ground coverage (m2)	3987.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.34
21.Estimated cost of the project	400937000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	FINISHED PRODUCT GODOWN	Ground Floor + first +second Floor	12.00
2	RAW MATERIAL GODOWN	Ground Floor + mezzanine	10.00
3	T.C.C. PLANT	Ground Floor + First	10.00
4	P - 5 PLANT	Ground Floor + first +second Floor	15.0

5	OFFICE & R & D CENTRE - III FL.	Ground Floor + first +second Floor	15.0
6	FMCG & PHARMA PLANT	Ground Floor + first +second Floor	15.0
7	UTILITY BUIDING	Ground Floor + mezzanine	8.00

23.Number of tenants and shops	Staff : Existing : 90 nos., Proposed: 20 nos. Skilled : Existing : 77 Nos. , Proposed : 30 Nos. unskilled : Existing : 14 Nos.
24.Number of expected residents / users	50 Nos. (Skilled : 30 and Staff: 20)
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)	10.0 meter Wide and Approach road 24.0 mt and 12.0 mt. wide
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 meter
29.Existing structure (s) if any	Yes. 8400 .15 sq.mt BUA structure of Existing factory unit will be retained.
30.Details of the demolition with disposal (If applicable)	No demolition proposed

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Trichlorocarbanilde (TCC)	600	720	1320
2	Butyl methoxydibenzoyl methane (Chem 1789)	360	480	840
3	Octylmethoxycinnamate (OMCX)	240	660	900
4	2- Phenyl benzimidazole sulfonic acid (2 -HS)	72	168	240
5	Octylsalisilate(O.S)	0	960	960
6	Trimethylcyclohexyl 2-hydroxybenzoate (HMS)	0	720	720
7	Octocrylene(OCR)	0	300	300
8	Tri- phenyl TetrazoylBromoByphenyl (TTBB)	72	120	192
9	n-butyl (spiro-HCl)	0	96	96
10	4 Bromo methyl -2 - cynabifihennyl (Bromo OTBN)	60	60	120
11	2-Butyl-4-Chloro-5- Formyl Imidazole (BCFI)	72	12	84
12	4-bromo methyl biphenyl -2-carboxylicacid methyl ester (Bromo Ester)	0	24	24
13	4- Methyl biphenyl -2-carboxylicacid methyl ester (Methyl Ester)	0	24	24
14	(IR CNBP) 4â??-[(2-Butyl-4-oxo-1,3-diazaspiro [4,4]non-1-en-3-yl)-methyl] biphenyl-2- Carbonitrile	0	12	12
15	(L.ACID) Dimethyl- methoxy carbonyl â?? 3- Nitrophenyl -1,4 (L ACID)	0	24	24
16	(LVME) - L-Valine Methyl Ester Hydrochloride. (LVME)	0	60	60
17	Ethyl 4-(1-hydroxy-1-methylethyl)-2-propyl-imidazole-5-carboxylate (4- Hydroxy)	0	12	12
18	4-[[4,6-bis[[4-(2-ethylhexoxy-oxomethyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]benzoic acid 2-ethylhexyl ester (Ethyl hexyl Triazone / EHT)	0	84	84
19	4,4'-[[6-[[4-[[(1,1-dimethylethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazine-2,4-diyl]diimino]bis-, bis(2-ethylhexyl)benzoate (DiethylexylButamidoTrazone/ DHBT)	0	72	72
20	2,2â?²-[6-(4-methoxyphenyl)- 1,3,5-triazine-2,4-diyl] bis{5-[(2-ethylhexyl)oxy]phenol} (TINOSORB S)	0	24	24
21	2,2â?²-methanediylbis[6-(2H-benzotriazol-2-yl)-4-(2,4,4-trimethylpentan-2-yl)phenol] (TINOSORB M)	0	24	24

32.Total Water Requirement

Dry season:	**Source of water**	MIDC water Supply + Treated Domestic Sewage
	Fresh water (CMD):	250
	Recycled water - Flushing (CMD):	85 (Boiler+Cooling tower+Domestic+Green belt
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	335
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	Existing 66 KLD to CETP and from Proposed project 49 KLD will be treated in RO and MEE for Zero discharge
Wet season:	**Source of water**	MIDC water Supply + Treated Domestic Sewage
	Fresh water (CMD):	230
	Recycled water - Flushing (CMD):	50
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	280
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	Nil
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	20	10	30	2	1	3	18	9	27
Industrial Process	70	35	105	10	5	15	60	30	90

Cooling tower & thermopack	40	55	95	34	36	70	6	19	25
Gardening	10	10	20	10	10	20	0	0	0
Fresh water requirement	140	110	250	56	52	108	84	58	142

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post monsoon 2 m to 6 m (Pre monsoon level)
	Size and no of RWH tank(s) and Quantity:	Existing tank: 13 m X 3.75 m X 3 m= 146 CUM & Proposed tank: 15.9 m X 3.75 m X 3m= 178.9 CUM
	Location of the RWH tank(s):	Underground Tank
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 1.46 lacs
	Budgetary allocation (O & M cost) :	Rs. 30,000/-
	Details of UGT tanks if any :	U.G Tank: Ground (sq. m): 108.375 Existing (Sq. m): 9.75
35.Storm water drainage	**Natural water drainage pattern:**	The industry is located in Taloja MIDC area where all the facilities are made available by MIDC. The land is having gentle slope.
	Quantity of storm water:	0.21 cum/sec
	Size of SWD:	0.3 m X 0.3 m
Sewage and Waste water	**Sewage generation in KLD:**	27
	STP technology:	Conventional
	Capacity of STP (CMD):	1 STP of 30 KLD capacity
	Location & area of the STP:	On ground near ETP
	Budgetary allocation (Capital cost):	25.0 Lakhs
	Budgetary allocation (O & M cost):	3.0 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Preconstruction debris is Nil as existing structure will be retained
	Disposal of the construction waste debris:	At authorized site through appointed contractors

Waste generation in the operation Phase:	**Dry waste:**	Existing : 38.01 kg/day, Proposed : 10.5 kg/day , Total : 48.51 kg /day
	Wet waste:	Existing : 16.29 kg/day, Proposed : 4.5 kg/day , Total : 20.79 kg /day
	Hazardous waste:	Existing : 48 MT/A, Proposed : 17 MT/A, Total :65 MT/A
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	4.5 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Will be segregated and handed over the Municipal collection system on regular basis
	Wet waste:	Will be segregated and handed over the Municipal collection system on regular basis
	Hazardous waste:	will be collected in secured area and will be handed over to CHWTSDF at Taloja
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used in garden area as manure
	Others if any:	Not applicable
Area requirement:	**Location(s):**	near ETP plant
	Area for the storage of waste & other material:	Hazardous waste storage - total 100 m2
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18.75 lakhs
	O & M cost:	4.00 lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	2 To 10	7 to 8	6 to 8.5
2	COD	mg/lt	4200	184 to 200	< 250
3	Oil & Grease	mg/lt	8.0	1.0	< 10
4	BOD	mg/lt	1562	68	< 100
5	Total Dissolved solid	mg/lt	1376	630	< 2100
6	Suspended solid	mg/lt	260	56	< 100
7	Zinc	mg/lt	2.5	1.3	< 5
8	Chloride	mg/lt	382	82.8	<600
9	% Sodium	%	86.2	15.5	< 60 %

Amount of effluent generation (CMD):	Existing : 66 CMD, Proposed: 49 CMD, Total : 115 CMD
Capacity of the ETP:	Upgraded to 150 CMD capacity
Amount of treated effluent recycled :	70 CMD
Amount of water send to the CETP:	66 CMD ie. Existing Effluent will be given to CETP as per Membership taken
Membership of CETP (if require):	Yes upto 66 CMD Effluent disposal is allowed.

Note on ETP technology to be used	Existing ETP will be upgraded The expanded load of 49 KLD will be treated further in Reverse osmosis system and reused for Cooling Tower make up water. RO reject water will be treated in MEE (Multiple Effect Evaporator) system and it is proposed to use maximum effluent after due treatment.
Disposal of the ETP sludge	will be given for disposal to CHWTSDF at Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Discarded containers/barrels/liners	33.3	MT/A	4.0	2.0	6.0	Contaminated barrels are reused for production and packing of segregated Raw material and finish goods. Discarded plastic liners are used for ETP sludge filling and disposed in CHWTSDF
2	Chemical sludge from waste water treatment	34.3	MT/A	36	11	47	The 34.3 cat. Waste generation is reduced after using of Caustic Solution instead of Lime, so sludge generation is less. It is disposed in CHWTSDF.
3	Spent Carbons	35.3	MT/A	4.0	2.0	6.0	Spent carbon which is generated in filtration process which comes under Hz waste cat. No. 35.3 is disposed in CHWTSDF.
4	Contaminated aromatic, aliphatic or Naphthenic solvents.	20.1	MT/A	0	0	0	All contaminated solvents are recovered by distillations process and reused for further production process inside the Plant.
5	Distillation residues.	20.3	MT/A	4.0	2.0	6.0	It is disposed in 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	Existing Boilers	HSD:100 LPD, Fuel Oil 270 LPD, Biomass:15 TPD	1	38	1	101 degree celcius
2	Proposed Boiler	HSD: 15 LPD, Coal : 13 TPD	1	38	1	101 degree Celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Fuel Oil	270 LPD.	0	270 LPD
2	HSD	100 LPD	15 LPD	115 LPD
3	Biomass	15 TPD	0	15 TPD

4	Coal	0	13 TPD	13 TPD
41.Source of Fuel		Indonesian coal		
42.Mode of Transportation of fuel to site		Road Transport		

43.Green Belt Development	**Total RG area :**	1,123 sq.mt
	No of trees to be cut :	Nil
	Number of trees to be planted :	102
	List of proposed native trees :	102
	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	Coconut Palm Cocos nucifera	Coconut	9	Kalpavriksha, Ornamental Tree
2	Mangifera Indica	Mango	12	Fruit bearing tree, attracts birds
3	Saraca asoca	Ashok	19	Evergreen tree
4	Delonix regia Rafin	Gulmohar	9	Flowering plant
5	Prunus dulcis	Almond	10	Edible
6	Nyctanthes arbor-tritis	Parijatak	9	Flowers scented, small and attractive blooms in night. -Tree is large shrub & provides good shade.
7	Michelia champaca	Champa	8	Evergreen tree, Flowering and ornamental
8	Mimusops elengi	Bakul	7	Dense canopy provides cool shade. -sacred tree among hindus.
9	Azadiracta indica	Neem	9	Fast growing tree grows up to 15-20 m height -Neem having antibacterial and antifungal activities -Used to control pests.
10	Archontophoenix cunninghamiana	Palm Trees	10	Cold & Water resistant, Good quality fertilizer
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 :**	MSEDCL
	During Construction Phase: (Demand Load)	20 KW
	DG set as Power back-up during construction phase	Nil
	During Operation phase (Connected load):	Existing DG: 750 KVA Proposed DG: 500 KVA
	During Operation phase (Demand load):	Existing power requirement: Connected Load: 1365 KW Maximum demand:862 KVA â?¢ Proposed power requirement: Connected Load: 130 KW Maximum demand: 96 KVA
	Transformer:	Feeder voltage: 22 KV
	DG set as Power back-up during operation phase:	Existing DG: 750 KVA Proposed DG: 500 KVA
	Fuel used:	LSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Energy Efficient motors will be used.
Energy efficient equipments/ BEE Star rated equipments
Energy efficient Boiler
LED in all offices
Energy efficient lighting in whole industrial campus.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	All above Energy saving features	12% of total energy demand

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution by use of Fuel in Boiler and DG set	Wet Scrubber	Fuel is changed from FO to Coal
Water Pollution due to domestic and industrial effluent	ETP for 66 KLD effluent only	ETP up-gradation and RO and MEE proposed for zero discharge of excess effluent generated through expansion
Noise Pollution due to machinery, DG and operational process	Nil	102 nos. of Big Trees all around acting as noise barrier and PPE to workers

Solid Waste due to Hazardous and Domestic waste	Disposal to CHWTSDF	Disposal to CHWTSDF will continue along with segregation of domestic waste into Dry and wet waste

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25.0
	O & M cost:	8.0

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, Water, Noise, Solid waste , Occupational Health monitoring and management	Air, Water, Noise, Soil and workplace monitoring on monthly basis	36.0 lacs

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	Wet scrubber, Bag Filters	8.0	2.52
2	Water Pollution Control	ETP and STP	80.0	37.50
3	Noise Pollution Control	PPE to workers	2.0	0.22
4	Solid waste management	CHWTSDF	Nil	18.75
5	Environment Monitoring	Monitoring of Air, Noise, Soil and work place monitoring	Nil Private lab will be hired. No in house set up is proposed	8.82
6	Occupational Health	Doctor's visit and Health check up camps	5.0	0.85
7	Green Belt	Plantation of trees in Green belt area proposed	5.0	0.70
8	Others (salary)	Nil	Nil	8.64

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
n- Hexane	-	-	200 Ltr X 15 drums	3 MT	-	Taloja	By road

52.Any Other Information

No Information Available		
53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	MIDC road of 30.0 mt wide and approaching road 12.0 mt and 24.0 mt wide
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	Parking area required (12% of net plot area) ie 1,463.79 sq.mt , Parking area Provided (12% of net plot area) :1,464.65 sq.mt
	Area per car:	Company buses are provided for Staff and only Plant manager and directors will have car parking provision. Two wheeler parking space will be given to some workers. rest parking area will be for trucks loading and unloading purpose
	Area per car:	Company buses are provided for Staff and only Plant manager and directors will have car parking provision. Two wheeler parking space will be given to some workers. rest parking area will be for trucks loading and unloading purpose
	Number of 2-Wheelers as approved by competent authority:	Nil. As MIDC approves the parking space in layout approval of Industry.
	Number of 4-Wheelers as approved by competent authority:	Nil.As MIDC approves the parking space in layout approval of Industry.
	Public Transport:	Private Bus contractor is hired for Bus provision for staff and workers.
	Width of all Internal roads (m):	6.00 mt.
	CRZ/ RRZ clearance obtain, if any:	No. The RRZ policy is cancelled hence kasardi river zone is not applicable.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	19.21 km from Karnala Bird sanctuary.
	Category as per schedule of EIA Notification sheet	5 (f) B
	Court cases pending if any	No
	Other Relevant Informations	This is the expansion project of existing factory in Taloja.TOR presentation in 111th Meeting of SEAC -I as item no. 14 dated 29.9.2015Followed by site visit 9.10.2015EIA presentation in 135th Meeting of SEAC -I as item no.3 dated 21 September 2016Compliance of SEAC -I submitted on 21.10.2016
	Have you previously submitted Application online on MOEF Website.	Yes

	Date of online submission	02-09-2015

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 111th meeting of SEAC and SEAC granted the TOR. A site visit by subcommittee was done on 09.10.2015 and the proposal was again considered in the 135th meeting of SEAC. The proposal was deferred by the SEAC it its 135th meeting as PP was not complied with the points raised in earlier meeting.

The proposal was again considered in the 138th meeting of SEAC-1 but it was observed that PP not complied with the points raised by the earlier SEAC-1 hence SEAC-1 deferred the proposal till PP submits compliance.

Now PP submitted the compliance report.

DECISION OF SEAC

SEAC-1 after deliberation decided to recommend the proposal to SEIAA for grant of prior Environment Clearance.

Specific Conditions by SEAC:

1) PP to provide Zero Liquid Discharge for the proposed additional effluent load of 49 KLD.
2) PP carried out Life Cycle Analysis and identified the areas of improvement; PP to prepare plan to reduce adverse impact of those activities on the environment.

FINAL RECOMMENDATION

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

SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

Subject: Environment Clearance for Proposed Formaldehyde Production Unit

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

1.Name of Project	Proposed Formaldehyde Production Unit at Plot No. C-6, MIDC Industrial Area, Butibori, Nagpur
2.Type of institution	Private
3.Name of Project Proponent	M/s. Paramount Chempro
4.Name of Consultant	Anacon Laboratories 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	Not applicable
8.Location of the project	Plot No. C-6, MIDC Industrial Area, Butibori, Nagpur
9.Taluka	Hingna
10.Village	Butibori
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 896.11
13.Note on the initiated work (If applicable)	Construction work not started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
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.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	74100000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Formaldehyde	0	2000	2000

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Butibori
	Fresh water (CMD):	MIDC Butibori
	Recycled water - Flushing (CMD):	RO Reject
	Recycled water - Gardening (CMD):	cooling tower blow down
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	MIDC Butibori & Recycling
	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 Butibori
	Fresh water (CMD):	185
	Recycled water - Flushing (CMD):	165
	Recycled water - Gardening (CMD):	3.8
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	350
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	4	4	0	0.8	0.8	0	3.2	3.2
Industrial Process	0	56	56	0	56	56	0	0	0
Cooling tower & thermopack	0	144	144	0	115.2	115.2	0	28.8	28.8
Gardening	0	3.8	3.8	0	3.8	3.8	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 – 12 m during pre-monsoon & < 7 m (bgl) during post monsoon
	Size and no of RWH tank(s) and Quantity:	4 m x 4 m x 3 m (2 Nos.)
	Location of the RWH tank(s):	Within plant west side
	Quantity of recharge pits:	76.95 KLD
	Size of recharge pits :	4m x 4m x 3m
	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:**	East to West
	Quantity of storm water:	4418 m3 per annum
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	3.2
	STP technology:	Soak pit
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction wastes, domestic wastes, gardening waste & used oil.
	Disposal of the construction waste debris:	The construction wastes will be utilized for leveling and road construction in plant premises. Domestic & gardening waste will be used for composting. Used oil generated from construction machinery will be collected, stored separately and sold to authorized recyclers.
Waste generation in the operation Phase:	**Dry waste:**	Gardening waste 4.2 kg/day
	Wet waste:	Domestic waste 6.0 kg/day
	Hazardous waste:	Discarded plastic containers/barrels/liners 2.0 kg/day
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Composting
	Wet waste:	Composting
	Hazardous waste:	Sold to authorized parties
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	4050 sq. m
	Area for the storage of waste & other material:	132 sq.m
	Area for machinery:	198 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	74100000
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicale	Not applicale	Not applicale	Not applicale	No industrial effluent will be generated from the process

Amount of effluent generation (CMD):	4.8
Capacity of the ETP:	5 CMD
Amount of treated effluent recycled :	0
Amount of water send to the CETP:	0
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Portable
Disposal of the ETP sludge	evaporation

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Discarded plastic containers/barrels/liners	33.1	kg/day	0	2	2	Sold to authorized parties

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 house	HSD 25 Liter/day	1	11	NA	NA
2	DG Set	HSD as per requirement	1	10	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	HSD 25 Liter/day	HSD 25 Liter/day
41.Source of Fuel		Locally purchased		
42.Mode of Transportation of fuel to site		Tankers		

43.Green Belt Development	**Total RG area :**	4050 M2
	No of trees to be cut :	5
	Number of trees to be planted :	50
	List of proposed native trees :	125 species
	Timeline for completion of plantation :	5 yrs

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	The species like Teak, Jamun, Awala, Sisam, Mango and Eucalyptus	NA	50	Quick, moderate & slow growing and evergreen, 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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDC
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	250 HP
	During Operation phase (Demand load):	NA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	250 HP
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	0

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	It is a green field project based on chemical reaction for the synthesis of formaldehyde. No emission envisaged through the manufacturing process, hence no stack will be required.	Nil
Domestic Effluent-	Domestic effluent will be treated through septic tank/soak pit system. However provision will be made to install portable sewage treatment plant (STP) to treat the domestic waste generated from the plant. The treated domestic waste will be use for plantation.	Septic Tank/Soak Pit
Industrial Effluent	ETP	5 KLD

Noise	• Sources of high noise level such as D.G. set etc. will be provided adequate sound enclosures. • The industry will develop greenbelt in 1336 m2 (33%) within the industrial premises for the abatement of noise pollution.	Ear protecting devices Earplugs/Ear muffs to the workers/employees will be provided as and when required.
Solid Waste	Composting & disposal to authorized vendors	TSDF Site. HW storage with RCC flooring and asbestos roof covering will be provided

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Wastewater	ETP (Pretreatment)	6.0	0.60
2	Water	Rain Water Harvesting	0.60	0.06
3	Greenbelt	Landscaping/plantation	2.0	0.2
4	Solid Waste	Solid Waste Management	1.0	0.1
5	Health & Safety	Health Care & Safety	1.05	0.15
6	EMP Monitoring	Environmental Monitoring plan	7.50	0.75

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	6 tanks	underground storage	360	360	890	Open Market	Roadways
Formaldehyde	4 tanks	Overhead	400	400	24000	Finished product	roadways

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	5 (f)
	Court cases pending if any	NO
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-01-2016

Brief information of the project by SEAC

The proposal was earlier considered by the SEAC in its 121st meeting for TOR under category 5(f)B1 of the schedule of the EIA Notification, 2006. The proposal was considered by earlier SEAC in its 133rd and 134th meeting and decided to defer with following reason'

" Certain points of compliance were sought by the Committee in its 133rd meeting which desired that the PP should carry out compliances properly with reference to water balance and fire and toxicity analysis with respect to Formaldehyde. The compliances are yet to be carried out by the PP."

The proposal was again considered in 138th meeting of SEAC-1; the observations were as below,

"In 138th meeting of SEAC also PP has not submitted and presented the point wise compliance of issues raised in 133rd and 134th meeting of SEAC. Hence committee decided to defer the consideration and requested PP to submit point wise compliance".

Now PP submitted the revised compliance tot he committee.

DECISION OF SEAC

SEAC-1 after deliberation decided to recommend the proposal to SEIAA for grant of prior Environment Clearance.

Specific Conditions by SEAC:

1) PP to provide separate entry and exit gates and submit revised layout plan.
2) PP informed that they have reduced water consumption from 204 KLD to 165 KLD.
3) PP to reduce garden water requirement from 8 KLD to 1 KLD.
4) Some of the reactions are highly exothermic and generates heat. PP to identify those areas and explore possibility to use this waste heat for other purposes. PP also to carry out heat integration / pinch analysis to minimize energy consumption of chemical processes by calculating thermodynamically feasible energy targets and achieving them by optimizing heat recovery system, energy supply methods and process operating conditions.

FINAL RECOMMENDATION

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

SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

Subject: Environment Clearance for Proposed Expansion of Resin manufacturing from existing 33.9 MT/day to 43.1 MT/day at existing plot No A1 & A2, MIDC, Kulgaon, Badlapur, Dist. Thane.

General Information: Venue: CSIR- National Chemical Laboratory (NCL)Guesthouse, Pashan Road, Pune- 411008,

1.Name of Project	Proposed Expansion of Resin manufacturing from existing 33.9 MT/day to 43.1 MT/day at existing plot No A1 & A2, MIDC, Kulgaon, Badlapur, Dist. Thane.
2.Type of institution	Private
3.Name of Project Proponent	Ideal Chemi Plast Pvt. Ltd.
4.Name of Consultant	?Fine Envirotech Engineers
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot no. A1/A2, MIDC Badlapur, Kulgaon, Thane-421 503
9.Taluka	Ambarnath
10.Village	Kulgaon
11.Area of the project	MIDC area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 840
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.)	2521 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	45600000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable

26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	---
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	MF/UF Resins	135	27	162
2	Alkyl Resins	375	57	432
3	Polyester Resins	375	57	432
4	Acrylic Resins	132	135	267

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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	4	1	5	0.8	0.2	1	3.2	0.8	4
Cooling tower & thermopack	15.4	2	17.4	14.5	1.8	16.3	0.9	0.2	1.1
Industrial Process	0.6	0	0.6	0.5	0	0.5	0.1	0	0.1
Gardening	0	2.5	2.5	0	2.5	2.5	0	0	0

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 :	----

35.Storm water drainage	**Natural water drainage pattern:**	----
	Quantity of storm water:	----
	Size of SWD:	----
Sewage and Waste water	**Sewage generation in KLD:**	4
	STP technology:	MBBR
	Capacity of STP (CMD):	Proposed One STP of 5 m3
	Location & area of the STP:	At Ground & required area will be 20 m2
	Budgetary allocation (Capital cost):	5 Lakhs
	Budgetary allocation (O & M cost):	50000
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:	Wastes/Residues from industrial process & Chemical sludge from waste water treatment
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	0.3 kg/day
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	To Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF)
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Sludge will be use as manure
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Area for raw material storage yard -354 m2
	Area for machinery:	386 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	100000
	O & M cost:	30000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5.5- 7.0	6.5 – 7.5	5.5-9.0
2	TSS	mg/l	200-250	60-70	100
3	COD	mg/l	250-300	150-180	250
4	BOD	mg/l	100-120	40-50	100

Amount of effluent generation (CMD):	4
Capacity of the ETP:	7
Amount of treated effluent recycled :	To CETP
Amount of water send to the CETP:	4
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Effluent will be treated in existing ETP prior to release to CETP. Effluent generated in process is collected in collection tank and further subjected to oil separation. It is passed further for primary treatment where effluent is neutralized and equalized. Equalized neutral pH effluent is subjected to sedimentation. Sludge generated by sedimentation is sent for disposal at CHWTSDF. Clear treated effluent is collected in holding tank which is then disposed to CETP.
Disposal of the ETP sludge	To CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Wastes/Residues	23.1	Kg/day	3	3	100	CHWTSDF
2	Chemical sludge from waste water treatment	34.3	Kg/day	0.1	1.3	15	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	Furnace Oil -250 Lit/day	1	20	0.3	100
2	Thermopack 1	Furnace Oil -750 Lit/day	2	20	0.45	100
3	Thermopack 2	Furnace Oil -260 Lit/day	3	20	0.45	100
4	D.G. set	HSD	4	4	0.1	100

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	1200 Lit/day	60 Lit/day	1260 Lit/day
2	HSD	25 Lit/day	2.5 Lit/day	27.5 Lit/day

41.Source of Fuel	local source
42.Mode of Transportation of fuel to site	Tanker

43.Green Belt Development	**Total RG area :**	500
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	---
	List of proposed native trees :	----
	Timeline for completion of plantation :	---

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	Azadiracta	Neem	5	Large tree, good for roadside
2	Pongamia pinnata	Karanj	3	Shady tree.
3	Murraya Paniculata	Kunti	5	Small tree, Fragrant white flowers, Butterfly host plant
4	Bauhinia racemosa	Apta	5	Small tree with small white flowers, Butterfly host plant
5	Anthocephalus cadamba	Kadam	3	hady, large tree, ball shaped flowers
6	lagerstroemia indica	Arjuna	4	flowering plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	105 kW
	During Operation phase (Demand load):	105 kW
	Transformer:	NA
	DG set as Power back-up during operation phase:	125 KVA of DG
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water	Effluent Treatment Plant	Sewage treatment plant of capacity 5 m3
Air emmision	Scrubber, Mechanical dust collector and Chimney	Existing sufficient
Noise	Acoustic enclosures	Existing sufficient
Solid Waste	Disposed through authorized agency	Disposed through authorized agency

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	---	5	0.5
2	Water Pollution Control	---	7.5	2
3	Noise Pollution Control	----	0.5	0.05
4	Environment Monitoring and Management	Air water noise monitoring	1	0.5
5	Occupational Health	Training and safety items	1	0.5
6	Green Belt	plantation and maintenence	1	0.5
7	Solid waste management	collection and disposal	1	0.3

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

Mix Xylene	---	Above ground	20	---	150	Local/imported	By road
Ortho Xylene	---	Above ground	20	---	60	Local /imported	By road
Normal Butanol	---	Above ground	20	---	60	Local /imported	By road
Butyl Cellosolve	---	Above ground	20	---	30	Local /imported	By road
C X	---	Above ground	20	---	60	Local /imported	By road
MTO	---	Above ground	20	---	15	Local /imported	By road
SLOP	---	Above ground	20	---	15	Local /imported	By road
Mp Acetate	---	Above ground	200 kg	---	3000 kg	Local /imported	By road
Ehthyl Cellosolve	---	Above ground	200 kg	---	3000 kg	Local /imported	By road
Tolune Di Isocyanate	---	Above ground	200 kg	---	1500 kg	Local /imported	By road
Styrene Monomer	---	Above ground	200 kg	---	60	Local /imported	By road
Methyl Meth Acrylate	---	Under ground	200 kg	---	60	Local /imported	By road
HEMA	---	Above ground	200 kg	---	15000 kg	Local /imported	By road
BAM	---	Under ground	200 kg	---	12000 kg	Local /imported	By road
Ethyl Cellosolve Acetate	---	Above ground	200	---	1500 kg	Local /imported	By road
Hypophosphorous Acid	---	Above ground	200	---	3000 kg	Local	By road
TBPB/DTBP	---	Above ground	200	---	3000 kg	Local	By road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Separate entry & exit points
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	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):	---
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

The TOR for the expansion activity was approved by SEAC-I in their 134th meeting held on 7th, 8th and 9th September, 2016. PP submitted EIA report for the apprasial before this committee.

PP submitted the EIA reprot and the proposal was considered in the 139th meeting of SEAC-1 wherein PP was not having adeqaute documents hence the proposal was deferred. Now PP submitted the docuemnts along with an undertaking that they have not violated requirements of EIA Notification,2006. Hence committee apprasied the proposal.

DECISION OF SEAC

SEAC-1 after deliberations, decided to recommend the proposal to SEIAA for the grant of prior Environment Clearance.

Specific Conditions by SEAC:

1) PP to submit structural stability of existing buildings.
2) PP to provide 33% green belt and submit layout plan to the SEIAA.
3) PP to submit an undertaking for achieving ETP out let parameters as prescribed by the competent authority.

FINAL RECOMMENDATION

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

SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

Subject: Environment Clearance for Expansion of sugar mill from 3,500 TCD to 5,500 TCD and cogeneration unit from 12 MW to 27 MW

1.Name of Project	M/s. Kukadi Sahakari Sakhar Karkhana Ltd
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Kukadi Sahakari Sakhar Karkhana Ltd
4.Name of Consultant	Vasantdada Sugar Institute, Majari (Bk)
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NOt applicable
8.Location of the project	Gut No. 91 & 92
9.Taluka	Shrigonda
10.Village	Pimpalgaon Pisa
11.Area of the project	Other Area: Grampanchyat
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work has been initiated for said work
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
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	717600000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m wide 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	Sugar	12075	11625	23700
2	Bagasse	28860	27840	56700
3	Molasses	4200	4050	8250
4	Press Mud	4200	4050	8250
5	Power	12 MW	10.15 MW	22.15 MW (During Season)
6	Power	-	11.66 MW	11.66 MW(During Off Season)

32.Total Water Requirement

Dry season:	**Source of water**	Mohorwadi Reservoir
	Fresh water (CMD):	168
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	168
	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**	Mohorwadi Reservoir
	Fresh water (CMD):	65
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	65
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	15	3.5	18.5	1.5	0.15	1.65	13.5	1.35	14.85

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m - 20 m
	Size and no of RWH tank(s) and Quantity:	Size of storage tank : 50 * 60 * 2 m & Capacity: 6000 CM
	Location of the RWH tank(s):	Near Godown No. 102 & 103
	Quantity of recharge pits:	Not any
	Size of recharge pits :	Not any
	Budgetary allocation (Capital cost) :	Rs. 7 .00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakhs
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Study area shows highest order of drainage as 7th order.
	Quantity of storm water:	81033 cum/annum
	Size of SWD:	0.6 m * 0.45 m * 12500 m approx.

Sewage and Waste water	**Sewage generation in KLD:**	30 KLD
	STP technology:	Domestic sewage will be treated in septic tank and soak pits
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	Rs. 15.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 2.00 lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	In minor quantity
	Disposal of the construction waste debris:	Top soil will be used for gardening purpose and excavated earth , debris will be used within the plot for re-filling and internal road development
Waste generation in the operation Phase:	**Dry waste:**	Ash: 4284 MT (During Season) & 664 MT(During Off Season)
	Wet waste:	ETP Sludge: 80 TPA
	Hazardous waste:	Spent Oil will be very minor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Domestic sludge will be mixed into soil and disposed off
	Others if any:	Not any
Mode of Disposal of waste:	**Dry waste:**	The bagasse ash is usually rich in potash; hence, it will be directly applied into agriculture field or sold to the brick manufacturer as per their demand.
	Wet waste:	ETP sludge will be organic in nature; hence it is used as manure as a soil enriching materials.
	Hazardous waste:	Spent oil can be disposed off safely by giving it to authorized hazardous waste oil dealer. Alternatively, it will be burnt in the boiler along with bagasse.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Domestic sludge will be mixed into soil and disposed off
	Others if any:	Not any
Area requirement:	**Location(s):**	--
	Area for the storage of waste & other material:	Approx. 1.5 acre
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 140.00 Lakhs
	O & M cost:	Rs. 5.00 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4 - 5.5	6.5 - 8.5	5.5 - 9.0

2	BOD	mg/lit	1500 - 3000	<30	30
3	COD	mg/lit	2500 - 60000	< 250	250
4	Total Dissolved Solids	mg/lit	1800 - 2500	< 2100	2100
5	Total Suspended Solids	mg/lit	600 - 800	< 100	100

Amount of effluent generation (CMD):	700 CMD
Capacity of the ETP:	Existing capacity of ETP 500 CM which will be enhanced to treat the effluent of 700 CMD from proposed capacity
Amount of treated effluent recycled :	Approx. 690 CMD
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Activated Sludge process
Disposal of the ETP sludge	ETP sludge will be organic in nature; hence it is used as manure as a soil enriching materials.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	lit/annum	110	50	160	Spent oil can be disposed off safely by giving it to authorized hazardous waste oil dealer. Alternatively, it will be burnt in the boiler along with bagasse.

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 (Existing 40 TPH X 2)	Bagasse- 12075 MT/M	1	65	3.5 m	90
2	Boiler (Proposed 85 TPH)	Bagasse - 11625 MT/M	2	75	3.5 m	90

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	12075 MT/M	11625 MT/M	23700 MT/M
41.Source of Fuel		Own sugar gactory		
42.Mode of Transportation of fuel to site		Fuel is available within the factory hence transportation is not required		

43.Green Belt Development	**Total RG area :**	20 Acre: Existing 19 acre & Proposed 1 acre
	No of trees to be cut :	Not any
	Number of trees to be planted :	Existing: 1600 No. of trees and 1000 no of trees will be planted
	List of proposed native trees :	Babhul, Subhabul, Bel, Shirish, Sita Phal, Kadamba, Neem, Knchan etc trees will be planted in the factory premises
	Timeline for completion of plantation :	Approx. 2 to 3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acacia nilotica	Babhul	70	Dust tolerant, very common in the region
2	Acacia leucophloea	Subhaul	110	Tolerant to air pollution, very common in the region
3	Aegal marmalose	Bel	95	Tolerant to air pollution, common in the region
4	Albizia saman	Shirish	130	Tolerant of CO2
5	Anona squamosa	Sita Phal	75	Fly ash tolerant
6	Azadiracta indica	Neem	140	Fly ash tolerant ,Tolerant of alkaline and Saline soil, common in the area
7	Bauhinia purpurea	Kanchan	60	Dust tolerant, cultivated near residential areas
8	Bauhinia variegata	Kachnar	40	Soluble sodium 1.0 to 2.0
9	Butea monosperma	Palas	50	--
10	Cassia fistula	Bahava	70	pH 7.5 to 8.4, cultivated near residential areas
11	Cordia spp	Bokar	50	Dust Tolerant
12	Delonix regia	Gulmohor	50	Fly ash tolerant
13	Emblica officinalis	Avala	60	--
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	Hibiscus	1 X 1 m	25
2	Shankasur	1 X 1 m	20
3	Ixora	1 X 1 m	15
4	Tagar	1 X 1 m	15
5	Powder Puff	1 X 1 m	20
6	Alamanda	1 X 1 m	25
7	Hemalia petans	1 X 1 m	30
8	Chitrak (Plumbago)	1 X 1 m	25
9	Gardenia lucida	1 X 1 m	20
10	Cassia biflora	1 X 1 m	15

47.Energy

Power requirement:	**Source of power supply :**	Captive
	During Construction Phase: (Demand Load)	From captive source
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	7.50 MW
	During Operation phase (Demand load):	--
	Transformer:	NA
	DG set as Power back-up during operation phase:	DG set will be used only in case of total power failure i.e. captive as well as electricity board power supply
	Fuel used:	Diesel
	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
Boiler	Wet Scrubber	Electro Static Precipitator

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control Equipments	Electro Static precipitator	132	-
2	Ash & Bagasse Handling	-	115	-

3	Cooling Tower	-	180	-
4	Fire Proection	-	25	5.0
5	RCC Stack	-	100	-
6	Greenbelt	-	14	1.50

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:	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):	6 m wide
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Category B: For Sugar: 5 (j), For Thermal Project: 1 (d)

	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	10-07-2017

Brief information of the project by SEAC

PP earlier presented proposal to the SEAC-1 in 132nd meeting held on 4th and 5th August,2016 wherein committee decided to approve the TOR for the preparation of EIA/EMP report. PP conducted Public Hearing on 21st April 2017. The proposal is for increase in the crushing capacity from 3500 TCD to 5500 TCD and cogeneration unit from 12 MW to 27 MW.

Now PP submitted EIA rerpot to the committee.

DECISION OF SEAC

After detaile deliberation SEAC-1 decided to defer the the proposal till PP submits the compliacne of following points.

Specific Conditions by SEAC:

1) PP to submit commitment for achieving 100% drip irrigation for cane farming in their scope.
2) PP to comply with the standard parameters to reuse treated ETP water for on-land irrigation; PP to submit an undertaking in this regard.
3) PP to submit layout plan of the factory approved by District Collector/Competent Authority.
4) PP to submit structural stability of the existing buildings on site.
5) During deliberation PP informed that 500 KLD treated water will be used by the distillery where as the distillery is not existing on site and is proposed activity for which PP has submitted application for prior EC to the MoEF&CC. Looking at the same PP to submit revised water budget showing consumption and reuse of water considering available resources.
6) PP to submit copy of agreement made with Irrigation Department for lifting water from Morwadi Dam.
7) PP to revise EMP costs and include the cost required for ETP installation and operation and maintenance.
8) PP to add clear cut conclusions of the EIA studies carried out including socioeconomic impacts of the proposed activity.(Qualitative and Quantitative)
9) PP to submit point wise reply of the issues raised in the Public Hearing.

FINAL RECOMMENDATION

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

SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

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

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

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	25 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Existing industry (as per CTO)
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Mixing & Blending of Pigments & Paints-By dry process	50	0	50
2	Mixing & Blending of Pigments & Paints-By Wet process	50	0	50
3	Dyestuff & Pigment in Powder Form (Such as Chrysodine, Bismark Brown, Malachite Green, Rhodamine B, Victoria Blue, Solvent Black, Pigments etc) - Powder form	0	50	50
4	Dyestuff & Pigment in Liquid form (Such as Methyl Violet Liquid, Chrystal Violet Liquid, Malachite Green Liquid, Brilliant Green Liquid, Victoria Blue Liquid, Chrysodine Liquid, Bismark Brown Liquid, Rhodamine B Liquid, Basic Yellow Liquid etc) - Liquid	0	75	75
5	Mixing & Blending of Dyestuff & Pigments - Powder	0	30	30
6	Byproduct	0	6	6

32.Total Water Requirement

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

33.Details of Total water consumed

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

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

36.Solid waste Management

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

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

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1	L/yr	-	20	20	Sale to Authorized vendors/recyclers
2	ETP Sludge	34.3	MT/M	-	0.30	0.30	Sent to CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (Non IBR) 1	Furness oil - 100 lit/day	1	12	0.4	110 oC
2	Thermo pack	Coal/wood/ Briquette - 2.5 MT/day	2	12	0.5	110 oC
3	D.G Set	HSD - 20 lit/day	3	5	0.08	90 oC

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	396 sq. m (150 sq. m. within premises & 246 sq. m. on Land allotted by MIDC)
	No of trees to be cut :	NA
	Number of trees to be planted :	25
	List of proposed native trees :	Asok, Kadamb, Neem, Bakul, Apta etc.
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	-	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	Mimusops elengi	Bakul	-	Shady tree, small white fragrant flowers
3	Nyctanthes arbor-tristis	Parijatak	-	Small deciduous fast growing tree, beautiful flowrers.
4	Lagerstroemia flos-regineae	Tamhan	-	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Murraya paniculata	Kunti	-	Small tree, Fragrant white flowers, Butterfly host plant
6	Saraca asoka	Sita Ashok	-	Shady tree with red-yellow flowers.
7	Gmelina arborea	Shivan	-	Fast growing tree with beautiful yellow flowers
8	Azadirachta indica	Neem	-	Semi-evergreen tree with medicinal value
9	Bombax ceiba	Kate sawar	-	Large deciduous tree. Flowers attract many birds.
10	Michelia champaca	Son chafa	-	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
11	Anthocephallus cadamba	Kadamb	-	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	10 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	15 KW (existing)
	During Operation phase (Demand load):	125 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 No. x 82 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air emission - Process vents & flue gas stacks	-	Air preheater, Multiple Cyclone Seperator, ID Fan, Wet Scrubber, Dueting with Adequate chimney height

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Dust suppression	1.0
2	Green area	Green Belt development	1.0
3	Solid waste	Solid waste management facility	0.5
4	Air, water, noise	Environment Monitoring	1.5
5	Health & safety	Occupational Health	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air emission	Provision for stack & APCM	4.0	1.5
2	Air & Flue gas	Provision of Boiler & Thermopack	8.0	-
3	Wastewater	Up gradation ETP Plant & O & M	30.00	4.80
4	other	other	10.00	-
5	Green area	Development of Green Belt	0.50	0.20
6	Solid /Hazardous waste	Solid waste management	-	3.60

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Diethyl meta amino phenol	Solid	Drums-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Phthalic anhydride	Solid	Bags-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Di methyl aniline	Liquid	Drums-Raw material storage area	30.00	30.00	30.00	Local supplier	Road transport
Mono methyl aniline	Liquid	Drums-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Diethyl aniline	Liquid	Drums-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Aniline	Liquid	Drums-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Benzel dehyde	Liquid	Drums-Raw material storage area	11.00	11.00	11.00	Local supplier	Road transport
Meta phenylene diamine/meta toluable diamine	Solid	Drums-Raw material storage area	3.00	3.00	3.00	Local suppliaer	Road transport
Sodium nitrite	Solid	Bags-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Oxalic acid	Solid	Bags-Raw material storage area	4.80	4.80	4.80	Local supplier	Road transport
Paraformal dehydride	Solid	Bags-Raw material storage area	0.70	0.70	0.70	Local supplier	Road transport
Phenyl alpha naphthylamine	Solid	Bags-Raw material storage area	2.20	2.20	2.20	Local supplier	Road transport
Acetic acid	Liquid	Drums-Raw material storage area	25.00	25.00	25.00	Local supplier	Road transport
Caustic soda	Solid	Bags-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Di sodium hydrose phosphate	Solid	Bags-Raw material storage area	0.65	0.65	0.65	Local supplier	Road transport
Sodium molybdate	Solid	Bags-Raw material storage area	3.20	3.20	3.20	Local supplier	Road transport
Catalyst	Solid	Bags-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Emulsifier	Liquid	Drums-Raw material storage area	0.50	0.50	0.50	Local supplier	Road transport
Sulphuric acid	Liquid	Drums-Raw material storage area	5.00	5.00	5.00	Local supplier	Road transport
Hydrochloric acid	Liquid	Drums-Raw material storage area	25.00	25.00	25.00	Local supplier	Road transport
B brown base	Solid	Bags-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Basic yellow	Solid	Bags-Raw material storage area	1.60	1.60	1.60	Local supplier	Road transport
Crysodine base	Solid	Bags-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Dyestuff powder	Solid	Bags-Raw material storage area	24.00	24.00	24.00	Local supplier	Road transport

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two Nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	10 Sq.m
	Area per car:	10 Sq. m
	Area per car:	10 Sq. m
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	1 No.
	Public Transport:	Auto Rickshaw from 200 m the plant boundary
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	'B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes

	Date of online submission	23-01-2016

Brief information of the project by SEAC

DECISION OF SEAC

During discussion PP informed that they have obtianed TOR approval in the 124th meeting of SEAC-1 held on 30th & 31st March 2016 and now PP submitted the EIA reprot.

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

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 -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

Subject: Environment Clearance for Proposed expansion of Synthetic organic chemicals facility at Plot No. A-17, MIDC Mahad, Mahad, Dist Raigad by Maharashtra Aldehydes and Chemicals Ltd

1.Name of Project	Proposed expansion of Synthetic organic chemicals facility at Plot No. A-17, MIDC Mahad, Mahad, Dist Raigad by Maharashtra Aldehydes and Chemicals Ltd
2.Type of institution	Private
3.Name of Project Proponent	Maharashtra Aldehydes and Chemicals Limited,
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 of existing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. A-17, MIDC Mahad, Mahad
9.Taluka	Mahad
10.Village	Mahad
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	MIDC plot allotment
	IOD/IOA/Concession/Plan Approval Number: MIDC plot approval
	Approved Built-up Area: 7709.63
13.Note on the initiated work (If applicable)	Not applicable. Proposed expansion will be within existing facility.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	20000 sq.m.
16.Deductions	--
17.Net Plot area	--
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** --
	b) Non FSI area (sq. m.): --
	c) Total BUA area (sq. m.): 7709.63
19.Total ground coverage (m2)	--
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	--
21.Estimated cost of the project	500000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	Not Applicable
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Min. 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 m
29.Existing structure (s) if any	Existing facility pertaining to manufacturing of Synthetic Organic chemicals.
30.Details of the demolition with disposal (If applicable)	No major demolition

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Alkyl Esters Phthalic acids	800	800	1600
2	Alkyl Esters carboxylic acids	30	184	214
3	Alkyl Esters Citric acids	0	150	150
4	Phenol Derivatives	21.5	1186	1207.5
5	Cyclopentanone & its Derivatives	100	0	100
6	Absolute Alcohol	0	1200	1200
7	Distillation of solvents	165	235	400
8	Vitamin Formulations	100	400	500
9	Sodium Sulphate	0	500	500
10	Acetic/ Propionic Acid	0	50	50
11	Sodium Pyrithione	75	- 75	0 (product will be discontinued in proposed project)

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	566 cmd (Existing + Proposed)
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Wet season:	**Source of water**	--
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	--
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	10.5	4.5	15	2.5	0.5	3	8	4	12
Industrial Process	79	180	259	19	10	29	60	170	230
Cooling tower & thermopack	67	225	292	59.5	205	264.5	7.5	20	27.5
Gardening	0	0	0	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Details will be given in EIA report
	Size and no of RWH tank(s) and Quantity:	Details will be given in EIA report
	Location of the RWH tank(s):	Details will be given in EIA report
	Quantity of recharge pits:	Details will be given in EIA report
	Size of recharge pits :	Details will be given in EIA report
	Budgetary allocation (Capital cost) :	Details will be given in EIA report
	Budgetary allocation (O & M cost) :	Details will be given in EIA report
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Details will be given in EIA report
	Quantity of storm water:	Details will be given in EIA report
	Size of SWD:	Details will be given in EIA report
Sewage and Waste water	**Sewage generation in KLD:**	12 cmd
	STP technology:	Not applicable. Sewage will be treated in ETP plant at Secondary stage.
	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:**	Coal ash: 10.7 TPD, Metal scrap: 200 kg/M, Insulating waste: 100 kg/M, Canteen waste: 900 kg/A, Rubber hand gloves, PVC shoes, tarpoline, paper waste: 300 kg/A, Broken discarded glass: 200 kg/A
	Disposal of the construction waste debris:	Minor quantity of construction debris will be generate.
Waste generation in the operation Phase:	**Dry waste:**	Dry waste will be disposed off as per norms.
	Wet waste:	Wet waste will be disposed off as per norms.
	Hazardous waste:	Chemical sludge form waste water treatment, Residue And wastes, Process sludge / residue, Discarded barrels/liners, Discarded Asbestos, Spent oil(waste/used oil), Oil soaked gaskets and cotton waste, Filter &filter material
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Coal Ash: Sale to Bricks manufacture, Metal scrap: Sell to Authorized party , Insulating waste: Sell to Authorized party, Canteen waste: Composting, Rubber hand gloves, PVC shoes, tarpaulin, paper waste: Recycle/ Sell after decontamination, Broken discarded glass: Sell after decontamination
	Wet waste:	Wet waste will be disposed off as per norms.
	Hazardous waste:	Hazardous waste will be disposed of as per HW rule, 2016/ CPCB norms/ MPCB norms.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	as per requirement
	Area for the storage of waste & other material:	as per requirement
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details will be given in EIA report
	O & M cost:	Details will be given in EIA report

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	2 to 4	6.5 to 9	6.5 to 9
2	Chemical oxygen Demand	mg/L	5000 to 6000	< 250	250
3	Biological oxygen Demand	mg/L	2000 to 3000	< 100	100
4	Total suspended solids	mg/L	200 to 300	< 100	100
5	Total Dissolved solids	mg/L	3000 to 4000	< 2100	2100
6	Oil & Grease	mg/L	10 to 15	< 10	10
7	Sulphate	mg/L	2500 to 3000	< 1000	1000
8	Total Ammonical nitrogen	mg/L	10 to 20	< 50	50
9	Chloride	mg/L	1000	< 600	600

Amount of effluent generation (CMD):	269.5 cmd (Exiting + Proposed)
Capacity of the ETP:	300 cmd (Existing + Proposed)
Amount of treated effluent recycled :	Treated effluent partly will be used for green belt development & maintenance.
Amount of water send to the CETP:	269.5 cmd (Exiting + Proposed)
Membership of CETP (if require):	Yes. Company is already member of Mahad CETP.
Note on ETP technology to be used	Please refer Pre- feasibilty report.
Disposal of the ETP sludge	ETP sludge will be sent to CHWTSDF for disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge form waste water treatment	35.3	TPM	10	30	40	to CHWTSDF

2	Residue And wastes	28.1	KL/M	120	300	420	Sell to MPCB authorized recycler
3	Spent Organic solvent	28.6	KL/M	270	0	270	Sell to MPCB authorized recycler/ CHWTSDF
4	Process sludge / residue	26.1	KL/M	60	150	210	Sell to MPCB authorized recycler
5	Discarded barrels/liners	33.1	Nos/A	0	2000	2000	Sell to MPCB authorized recycler
6	Discarded Asbestos	15.2	Kg/A	0	250	250	Sell to MPCB authorized recycler
7	Spent oil	5.1	Kg/M	0	230	230	Sell to MPCB authorized recycler
8	Oil soaked gaskets and cotton waste	5.2	Kg/M	0	5	5	Sell to MPCB authorized recycler
9	Filter & Filter material	36.2	TPA	0	1	1	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	2 TPH Boiler (existing)	Coal- 7 TPD	1	32	0.8	142
2	4 Lakh Kcal/Hour TFH (Existing)	FO- 1.2 KL/day OR Coal- 2.8 TPD	2	20	0.45	148
3	6 TPH Boiler (Proposed)	Coal: 26 TPD	3	as per statutory requirement	as per statutory requirement	as per statutory requirement
4	8 lakh Kcal/hour TFH (Proposd)	Coal: 7.2 TPD	4	as per statutory requirement	as per statutory requirement	as per statutory requirement
5	62 KVA DG set (Existing)	HSD: 0.5 KL/day	5	2 m above roof	0.15	140
6	250 KVA DG set (Proposed)	HSD: 1.2 KL/day	6	as per statutory requirement	as per statutory requirement	as per statutory requirement

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	9.8 TPD	33.2 TPD	43 TPD
2	Furnace oil	1.2 KL/day	0	1.2 KL/day
3	HSD	0.5 KL/day	1.2 KL/day	1.7 KL/day
41.Source of Fuel		From nearby vendors		
42.Mode of Transportation of fuel to site		By road		

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	770 KVA (proposed)
	DG set as Power back-up during construction phase	1 DG set (250 KVA)
	During Operation phase (Connected load):	770 KVA (proposed)
	During Operation phase (Demand load):	770 KVA
	Transformer:	within plot
	DG set as Power back-up during operation phase:	1 DG set (250 KVA)
	Fuel used:	HSD for DG sets
	Details of high tension line passing through the plot if any:	No HT line passing through plot.

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution (Boiler, TFH, Process, DG set)	Stack & Cyclone dust collector	Stack & bag filter
Water pollution	ETP	ETP
Noise pollution	PPE, Acoustic enclosure	PPE, Acoustic enclosure
Hazardous waste	CHWTSDF, Authorized recycler	CHWTSDF, Authorized recycler

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	details will be given in EIA report
	O & M cost:	details will be given in EIA report

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
SDS	Existing + Proposed	within plot	3 x 100 KL + 3 x 100 KL	480 KL	1283.4	Local	Tanker
Methanol	Existing	within plot	46 KL	36 KL	754.5	Local	Tanker
Acetic Anhydride	Proposed	within plot	20 KL	16 KL	52	Local	Tanker
Hexane	Existing	within plot	3 x 12 KL	30 KL	444.4	Local	Tanker
2 Ethyl Hexanol	Proposed	within plot	2 x 100 KL	160 KL	300.33	Local	Tanker
Iso Nonyl Alcohol	Proposed	within plot	100 KL	80 KL	153	Local	Tanker
Propionic Anhydride	Proposed	within plot	20 KL	16 KL	49	Local	Tanker
Acetonitrile	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker
Ethyl Acetate	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker
Ethyl Acetoacetate	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker
Acetic acid	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker

Butanol	Proposed	within plot	20 KL	16 KL	627.6	Local	Tanker
Toluene	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker

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:	as per MIDC norms
	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):	Min. 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-01-2016

Brief information of the project by SEAC

PP submitted application for the grant of TOR for expansion of the exisitng facilty as per EIA Notification,2006.

DECISION OF SEAC

During deliberations, it was observed that PP has increased poduction quantities as well as introduced new products in the year 2008 & 2011 without obtaining prior Environment Clearance.

The details of the products and production quantities as mentioned in the Consent copy obtianed from MPCB for the year 2006,2008 and 2011 is as below,

Name of Product	Yearly Consented Quantities in MT/M		
	2006	2008	2011
Syringaldehyde	1.5	0	1.5
Trimethyl Hydroquinone	2.0	18.0	20.0
Diethyl Phalate	350	150	750
Dimethyl Phtalate	00	300	50
Ethyl Benzoate	30	00	30
Cyclopentanone	00	100	100
Sodium Pyrithione	00	75	75
Vitamine E Blend (MAXVIT) Formulation Product	00	00	00

In view of above information, it is observed that, PP has changed the product mix and production quantities without obtaining prior Environment Clearance as per EIA Notification,2006.

Primafacia, it appears that PP has violated the norms of EIA Notification, 2006.

The proposal is forwarded to SEIAA for further necessary decision and action.

FINAL RECOMMENDATION

SEAC-I decided to refer the proposal to SEIAA/Environment Department for verification of above mentioned violation.

SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

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

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

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Hypnotic/Sedative/Tranquilizer/Anticonvulsant/Anesthetic	22,308 Kg/Annum	0 Kg/Annum	22,308 Kg/Annum
2	Parasympathomimetic/Cholinerigic	60 Kg/Annum	0 Kg/Annum	60 Kg/Annum
3	SNR Inhibitor	24 Kg/Annum	0 Kg/Annum	24 Kg/Annum
4	Antipsychotic	732 Kg/Annum	0 Kg/Annum	732 Kg/Annum
5	Urinary Incontinence	12 Kg/Annum	0 Kg/Annum	12 Kg/Annum
6	R & D Activity	240 Kg/Annum	0 Kg/Annum	240 Kg/Annum
7	Antipyretic/AntiAnflamatory/Analgeic	1200 Kg/Annum	0 Kg/Annum	1200 Kg/Annum
8	Anti-Diabetic	48 Kg/Annum	0 Kg/Annum	48 Kg/Annum
9	Antiemetic	60 Kg/Annum	0 Kg/Annum	60 Kg/Annum
10	Angina	12 Kg/Annum	0 Kg/Annum	12 Kg/Annum
11	Antispamodic	3900 Kg/Annum	0 Kg/Annum	3900 Kg/Annum
12	Antiviral	12 Kg/Annum	0 Kg/Annum	12 Kg/Annum
13	Anti cardiovascular	12 Kg/Annum	0 Kg/Annum	12 Kg/Annum
14	Antidyskinetic/Antipsychotic	144 Kg/Annum	0 Kg/Annum	144 Kg/Annum
15	Calcimimetic	24 Kg/Annum	0 Kg/Annum	24 Kg/Annum
16	Diuretic	120 Kg/Annum	0 Kg/Annum	120 Kg/Annum
17	Erectile Dysfunction	12 Kg/Annum	0 Kg/Annum	12 Kg/Annum
18	Hypertension / Antihypertensive	24 Kg/Annum	0 Kg/Annum	24 Kg/Annum
19	Irreversible Inhibitor of monoamine oxdase	12 Kg/Annum	0 Kg/Annum	12 Kg/Annum
20	Psych stimulant/CNS stimulant	252 Kg/Annum	0 Kg/Annum	252 Kg/Annum
21	Platelet inhibitor	12 Kg/Annum	0 Kg/Annum	12 Kg/Annum
22	Antidepressant	3024 Kg/Annum	0 Kg/Annum	3024 Kg/Annum
23	Ant glaucoma	636 Kg/Annum	0 Kg/Annum	636 Kg/Annum
24	Antihistaminic	120 Kg/Annum	0 Kg/Annum	120 Kg/Annum
25	Antiprotozoal	180 Kg/Annum	0 Kg/Annum	180 Kg/Annum
26	Bulk drugs and intermediates (excluding formulations)	0 Kg/Annum	86,820 kg/Annum	86,820 Kg/Annum
27	Total Bulk drugs and intermediates (excluding formulations) [Existing + Proposed]	33,180 Kg/Annum	86,820 Kg/Annum	120,000 Kg/Annum
28	Recovered Solvents	120 TPA	2880 TPA	3000 TPA

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	12	13	25	3	2	5	9	11	20
Industrial Process	25	60	85	14	0	14	11	60	71
Cooling tower & thermopack	82	185	267	81	157	238	1	28	29
Gardening	10	20	30	10	20	30	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	--
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	0
	Budgetary allocation (O & M cost) :	0
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	20 cmd
	STP technology:	Not applicable. Sewage will be treated in upgraded ETP plant.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of construction debris will be generate.
	Disposal of the construction waste debris:	Construction waste will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Empty drums, Glass bottles, Plastic bags, Corrugated sheets, Metal scrap, Paper waste, Plastic waste, Rubber waste, Boiler ash, Wooden waste
	Wet waste:	Not applicable
	Hazardous waste:	Sludge and filters contaminate with oil , Used or spent oil, Wastes or residues containing oil, Discarded Asbestos, Process residue and wastes, Spent carbon, Off specification products, Date-expired products, Spent solvent, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes, Contaminated cotton rags or other cleaning materials, Exhaust air or gas cleaning residue, Spent ion exchange resin containing toxic metals, Chemical sludge from waste water treatment, Filter medium
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

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

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	Domestic effluent: 20 cmd & Trade effluent: 100 cmd, Total effluent generation (Existing + Proposed): 120 cmd
Capacity of the ETP:	150 cmd (Existing + Proposed)
Amount of treated effluent recycled :	99 cmd of treated effluent from proposed project will be recycle.
Amount of water send to the CETP:	21 cmd of treated effluent as per existing consent to operate will be sent to CETP.
Membership of CETP (if require):	Unit is already member of Chikhloli- Morivali CETP.
Note on ETP technology to be used	As per Pre- feasibility report.
Disposal of the ETP sludge	ETP sludge will be disposed off in CHWTSDF.

38.Hazardous Waste Details

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

2	Used or spent oil	5.1	TPA	4.8	10	14.8	Sale to authorized Re processor/CHWTSDF
3	Wastes or residues containing oil	5.2	TPA	0.1	0.2	0.3	CHWTSDF (TTCWMA)
4	Discarded Asbestos	15.2	TPA	0	0.8	0.8	CHWTSDF (TTCWMA)
5	Process residue and wastes	28.1	TPA	2.4	77.6	80	CHWTSDF (TTCWMA)
6	Spent carbon	28.3	TPA	6	26	32	CHWTSDF (TTCWMA)
7	Off specification products	28.4	TPA	0	5	5	CHWTSDF (TTCWMA)
8	Date-expired products	28.5	TPA	0	5	5	CHWTSDF (TTCWMA)
9	Spent solvent	28.6	TPM	5	395	400	Sell to authorized Reprocessor/CHWTSDF
10	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	33.1	Nos./M	0	20,000	20,000	Sell to authorized Reprocessor/CHWTSDF
11	Contaminated cotton rags or other cleaning materials	33.2	TPA	0	1	1	CHWTSDF (TTCWMA)
12	Exhaust air or gas cleaning residue	35.1	TPA	0	3	3	CHWTSDF (TTCWMA)
13	Spent ion exchange resin containing toxic metals	35.2	TPA	0	0.5	0.5	CHWTSDF (TTCWMA)
14	Chemical sludge from waste water treatment	35.3	TPA	0.96	149.04	150	CHWTSDF (TTCWMA)
15	Filter medium	36.2	TPA	0	2	2	CHWTSDF (TTCWMA)
16	E waste	-	Kg/M	75	425	500	Sell to authorized Reprocessor/CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (capacity 600 kg/hr) [existing]	LSHS/ LDO: 300 Lit/day	1	20	0.3	130 C
2	Boiler standby (capacity 600 kg/hr) [existing]	standby	1	common stack	same as above	same as above
3	Process reactor [existing]	Alkali scrubber	2	10	0.3	42 C
4	Process reactor standby [existing]	--	2	common stack	same as above	same as above
5	DG set 380 KVA [existing]	HSD: 260 Lit/month or 100 Lit/Hr	3	12	as per norms	115 C
6	DG set 40 KVA [existing]	--	4	12	as per norms	104 C
7	Boiler (capacity 1000 kg/hr)(proposed)	FO : 1.8 KL/day	5	As per statutory requirement	As per statutory requirement	As per statutory requirement

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

40.Details of Fuel to be used

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

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

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

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

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Solid & Hazardous waste	disposal to CHWTSDF	disposal to CHWTSDF

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	existing & proposed	within plot	63 MT	63 MT	923.04 TPA	nearby vendors	By road
IPA	existing & proposed	within plot	63 MT	63 MT	465.048 TPA	nearby vendors	By road
Ethyl Acetate	existing & proposed	within plot	63 MT	63 MT	275.45 TPA	nearby vendors	By road
Toluene	existing & proposed	within plot	63 MT	63 MT	2188.716 TPA	nearby vendors	By road
LDO	existing	within plot	18 MT	18 MT	30 Lit/Day	nearby vendors	By road
HSD	existing & proposed	within plot	1600 L	1600 L	12.6 KL/ Day	nearby vendors	By road
Furnace Oil	proposed	within plot	300 MT	300 MT	4.8 KL/ Day	nearby vendors	By road

52.Any Other Information

No Information Available

53.Traffic Management

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

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

Brief information of the project by SEAC

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

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

DECISION OF SEAC

During deliberations, it was brought to the notice of the PP that they have not given details of products to be manufactured in the consolidated statement. SEAC also was of the opinion that without details of the products to be manufactured on site, it is not possible to appraise the proposal. PP agreed to the remarks of the committee and requested to delist the proposal. PP also informed that, they will submit a fresh proposal giving all details.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

Subject: Environment Clearance for Proposed establishment of synthetic organic chemical manufacturing unit at Plot No: L-45/4, Additional Mahad MIDC, Mahad by Elppe Chemicals Pvt. Ltd.

1.Name of Project	Proposed establishment of synthetic organic chemical manufacturing unit at Plot No: L-45/4, Additional Mahad MIDC, Mahad by Elppe Chemicals Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Elppe Chemicals Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services 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	Not Applicable
8.Location of the project	Plot No. L-45/4, Additional MIDC Mahad
9.Taluka	Mahad
10.Village	Kalji village
11.Area of the project	Maharashtra Industrial Development Corporation
12.IOD/IOA/Concession/Plan Approval Number	Maharashtra Industrial Development Corporation
	IOD/IOA/Concession/Plan Approval Number: MIDC approval
	Approved Built-up Area: 3118.16
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	10,125 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.): 3118.16
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	250000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Min. 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	Chitosan	0	10	10
2	Glucosamine and its salts	0	40	40
3	5-Chloro Aniline-2 4-disulfonamide	0	35	35
4	2,3-Dimethyl-1-nitroisourea	0	10	10
5	PMIDA (98%)	0	1250	1250
6	Gypsum (Byproduct)	0	250	250
7	Sulphated salts (Byproduct)	0	200	200
8	Dilute Sulphuric Acid (Byproduct)	0	500	500
9	Dilute Hydrochloric Acid (Byproduct)	0	120	120

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	Refer point no. 34
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Refer point no. 34
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	6	6	0	2	2	0	4	4
Industrial Process	0	60	60	0	12	12	0	48	48
Cooling tower & thermopack	0	150	150	0	100	100	0	50	50
Gardening	0	10	10	0	10	10	0	0	0

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

35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	3 cmd
	STP technology:	Not applicable. Sewage will be treated in proposed ETP plant.
	Capacity of STP (CMD):	Not applicable.
	Location & area of the STP:	Not applicable.
	Budgetary allocation (Capital cost):	Not applicable.
	Budgetary allocation (O & M cost):	Not applicable.

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of construction waste will be generate.
	Disposal of the construction waste debris:	Construction waste will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Metal scrap of 15 TPA will be generate during operation phase.
	Wet waste:	--
	Hazardous waste:	ETP sludge: 55 TPA, Residue waste: 22 TPA, Discarded Containers/ barrels/ Drums: 30 Nos./Day, Contaminated filters: 100 Nos./day, Spent solvent: 60 TPM, Distillation residue: 60 TPM, Spent carbon: 2 TPM
	Biomedical waste (If applicable):	Not applicable.
	STP Sludge (Dry sludge):	Not applicable.
	Others if any:	Not applicable.
Mode of Disposal of waste:	**Dry waste:**	Metal scrap will be sell to authorized dealers.
	Wet waste:	--
	Hazardous waste:	Hazardous waste will be sent to CHWTSDF facility/ authorized recycler unit.
	Biomedical waste (If applicable):	Not applicable.
	STP Sludge (Dry sludge):	Not applicable.
	Others if any:	Not applicable.
Area requirement:	**Location(s):**	given in plant layout
	Area for the storage of waste & other material:	given in plant layout
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	--
	O & M cost:	--

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	2-4	6.5 to 9	6.5 to 9
2	Chemical Oxygen demand	mg/L	4000-5000	< 250	250
3	Biological oxygen Demand	mg/L	1500-2000	< 100	100
4	Total suspended solids	mg/L	400-500	< 100	100
5	Total dissolved solids	mg/L	10,000	< 2100	2100
6	Oil & Grease	mg/L	50-60	< 10	10
7	Chloride	mg/L	1000	< 600	600
8	Sulphate	mg/L	1000	< 1000	1000

Amount of effluent generation (CMD):	102 cmd
Capacity of the ETP:	Adequate ETP capacity will be install as per effluent generation.
Amount of treated effluent recycled :	as per requirement
Amount of water send to the CETP:	as per generation
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Screening > Equalization tank > pH adjustment tank > Primary clarifier > Aeration tank > Secondary clarifier > Pressure sand filter > Activated carbon filter > Treated effluent tank
Disposal of the ETP sludge	ETP sludge will be diposed off in CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	35.3	TPA	0	55	55	will be disposed off in CHWTSDF
2	Residue waste	28.1	TPA	0	22	22	Wil be disposed off in CHWTSDF
3	Discarded Containers/ barrels/ Drums	33.1	Nos./Day	0	30	30	Disposal to CHWTSDF/ Authorized recycler
4	Contaminated filters	33.2	Nos./day	0	100	100	Wil be disposed off in CHWTSDF
5	Spent solvent	28.6	TPM	0	60	60	Disposed off in CHWTSDF/ To authorized recycler
6	Distillation residue	28.1	TPM	0	60	60	Wil be disposed off in CHWTSDF
7	Spent carbon	28.3	TPM	0	2	2	Wil be disposed off in 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	4 TPH Boiler	Coal: 20 TPD or Furnace oil: 6 TPD	1	as per norms	as per norms	as per norms

2	4 TPH Boiler (standby)	--	1	as per norms	as per norms	as per norms
3	350 KVA DG set	HSD: 1.2 KL per Day	2	as per norms	as per norms	as per norms

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	0	20 TPD	20 TPD
2	Furnace oil	0	6 TPD	6 TPD
3	HSD	0	1.2 KL per Day	1.2 KL per 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 will be provided as per norms.
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	as per norms
	List of proposed native trees :	--
	Timeline for completion of plantation :	as per project planning

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	700 KVA
	DG set as Power back-up during construction phase	350 KVA DG set
	During Operation phase (Connected load):	700 KVA
	During Operation phase (Demand load):	700 KVA
	Transformer:	--
	DG set as Power back-up during operation phase:	350 KVA DG set
	Fuel used:	HSD: 1.2 KL per Day
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

details will be given in EIA report.

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Flue gas emission	Not applicable	Stack, Bag filter/ multi cyclone separator
Effluent & sewage generation	Not applicable	Effluent treatment plant
Noise	Not applicable	Acoustic enclosure, PPE
Hazardous waste	Not applicable	Disposed off in CHWTSDF facility.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

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
Dimethyl Sulphate	Proposed	within plot	20 KL	20 KL	750 TPA	from nearby source	by road
Nitric Acid	Proposed	within plot	20 KL	20 KL	600 TPA	from nearby source	by road
Sulfuric Acid	Proposed	within plot	20 KL	20 KL	400 TPA	from nearby source	by road
Methyl amine	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	by road
Ethyl acetate	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	by road
Sodium hydroxide	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	by road
Chlorosulfonic Acid	Proposed	within plot	20 KL	20 KL	1600 TPA	from nearby source	by road
Ammonia	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	by road
Hydrochloric acid	Proposed	within plot	50 KL	50 KL	as per requirement	from nearby source	by road
Thionyl chloride	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	by road
Methanol	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	by road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Parking area will be provided as per norms.
	Area per car:	as per norms
	Area per car:	as per norms
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5(f)- B
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-01-2017

Brief information of the project by SEAC

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

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

DECISION OF SEAC

Based on the presentation made by PP; committee decided to grant the TOR for the preparation of EIA/EMP report as per standard TOR and additional points as follows :

Specific Conditions by SEAC:

1) PP to submit company registration documents.
2) PP to submit plan lay out showing internal roads having road width six meters and turning radius nine meters, 33% green belt, location of pollution control equipment & chemical storage areas, parking area etc.
3) PP to carry out HAZOP and Quantitative Risk assessment for critical /dangerous reactions and chemicals. PP also to submit hazardous chemical handling and storage protocol.
4) PP to submit copy of agreement and permission from competent authority to discharge treated effluent to the CETP.
5) PP to submit design details of ETP and Stack height.
6) PP to carry out quantitative Socio economic impact of the proposed project. PP also to include CSR activities in the EIA/EMP report.

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 -1 Meeting

SEAC Meeting number: 141 th SEAC -1 Meeting **Meeting Date** August 18, 2017

Subject: Environment Clearance for Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility at Plot No.: A-20 & D-30/2, MIDC Lote Parshuram, Tehsil: Khed, District: Ratnagiri by Vinati Organics Ltd.

1.Name of Project	Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility at Plot No.: A-20 & D-30/2, MIDC Lote Parshuram, Tehsil: Khed, District: Ratnagiri by Vinati Organics Ltd
2.Type of institution	Private
3.Name of Project Proponent	Vinati Organics Ltd
4.Name of Consultant	Aditya Environmental Services 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	Yes. Environment clearance of existing facility: EC letter No. SEAC–2015/CR-236/TC–2 dated 28th June 2016
8.Location of the project	Plot No. A-20 & D-30/2, MIDC Lote- Parshuram
9.Taluka	Khed
10.Village	Lote
11.Area of the project	MIDC Lote Parshuram
12.IOD/IOA/Concession/Plan Approval Number	MIDC plan approval
	IOD/IOA/Concession/Plan Approval Number: MIDC Plan approval
	Approved Built-up Area: 59889
13.Note on the initiated work (If applicable)	Not applicable.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plan approval
15.Total Plot Area (sq. m.)	96,570
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.): 59889
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	1650000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Minimum 6 m width road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Existing structures: Production plant, Co-generation plant, Raw material storage, Warehouse, Storage tanks, ETP plant, Cooling tower, Boiler, Thermic fluid heater, DG set, Hazardous waste storage area
30.Details of the demolition with disposal (If applicable)	Minor quantity of demolition waste shall be generate.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Butyl Phenols	0	3250	3250
2	AAMPS (ATBS)	2750	0	2750
3	50 % solution of Na AAMPS(Na-ATBS)	2000	0	2000
4	Isobutylene	4000	0	4000
5	Di acetone acryl amide (DAAM)	83	0	83
6	High Purity MTBE	1000	0	1000
7	Tertiary Butanol	833	0	0 (product will be discontinue in proposed project)
8	Tertiary Octyl acryl amide (TOA)	83	0	83
9	P tertiary butyl toluene (PTBT)	417	0	417
10	p-tert Butyl Benzoic acid or Methyl Ester	500	0	500
11	Co-Generation (Steam + Power)	8 MW	--	8 MW
12	Aluminum Sulphate solution (By product)	0	1333	1333
13	N Tertiary butyl acryl amide (TBA) (By product)	176	0	176
14	Tertiary Butyl amine (TBA) (By product)	134	0	134
15	Sodium polyacrylate (By product)	272	0	272
16	Polymer powder (VIN CAP) (By product)	551.5	0	551.5
17	Calcium sulphate (By product)	591	0	591

18	Polymer powder (VIN SAP) (By product)	800	0	800
19	Sodium sulphate (By product)	726	0	726
20	Isobutylene di sulphonic acid (IBDSA) (By product)	211	0	211
21	Sodium sulphate (By product)	523	0	523
22	Methanol (By product)	2240	0	2240
23	Ammonium sulphate (By product)	258	0	258
24	Polymeric Liquid (40% conc) VINSAP (By product)	46	0	465
25	Super plasticizer (By product)	394	0	394
26	Heavy organic matter (By product)	416	0	416
27	Light ends (By product)	25	0	25
28	Poly isobutylene (By product)	40	0	40
29	Spent sulphuric acid (By product)	15	0	15

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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	28	9	37	5	2	7	23	7	30
Industrial Process	164	50	214	120	23	143	44	27	71
Cooling tower & thermopack	1663	17	1680	1477	7	1484	186	10	196
Gardening	23	0	23	23	0	23	0	0	0

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

35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	30 (existing + proposed)
	STP technology:	Not applicable. Sewage will be treated in suitably upgraded 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:**	Minor quantity of construction debris will be generate.
	Disposal of the construction waste debris:	Construction debris will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Fly / bottom ash: 28,132 TPA, Scrap wooden pellets: 10 No/month, Paper drums: 50 No/month, Waste paper: 10 kg/month, Safety helmet/ safety goggles/ hand gloves: 100 No/month, Waste PP bags/ packing material: 10 kg/month, metal scrap: 2 T/month, Canteen / Kitchen waste: 51 kg/month, STP Sludge: 71.6 kg/month
	Wet waste:	Not applicbale
	Hazardous waste:	Used Oil / Spent Oil Waste Oil, Asbestos containing material/ discarded asbestos, Waste Polymer, Containers/barrels/drums use for hazardous waste / chemicals, ETP Sludge, Spent Carbon, Process Residue (DAAM), Process Residue (from other process), Reagent Bottles, Glass wool & puff, Waste fuel hydrocarbon (bottom ash from oil fired boiler,stack), Battery waste, Electrical Bulbs, Glasses & Tubes, Electrical waste cables, Distillation residue (Tar polymer), Spent Catalyst
	Biomedical waste (If applicable):	Not applicable.
	STP Sludge (Dry sludge):	Not applicable.
	Others if any:	Not applicable.
Mode of Disposal of waste:	**Dry waste:**	Dry waste will be disposed off as per norms
	Wet waste:	Not applicable
	Hazardous waste:	Hazardous waste will be disposed off as per Hazardous waste rule 2016, CPCB norms.
	Biomedical waste (If applicable):	Not applicable.
	STP Sludge (Dry sludge):	Not applicable.
	Others if any:	Not applicable.

Area requirement:	**Location(s):**	within plot
	Area for the storage of waste & other material:	within plot
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	refer point no. 51
	O & M cost:	refer point no. 51.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	1 to 4	5.5 to 9	5.5 to 9
2	Chemical oxygen demand	mg/L	40000 to 50000	< 250	< 250
3	Biological oxygen demand	mg/L	10000 to 18000	< 100	< 100
4	Total suspended solid	mg/L	150 to 300	< 100	< 100
5	Total dissolved solids	mg/L	15000 to 25000	< 2100	< 2100

Amount of effluent generation (CMD):	297 cmd (existing + proposed)
Capacity of the ETP:	350 cmd (existing + proposed)
Amount of treated effluent recycled :	260 cmd for Utilities & Gardening (existing + proposed) + 14 cmd for ETP operations (existing + proposed)
Amount of water send to the CETP:	23 cmd (as per existing Consent to Operate)
Membership of CETP (if require):	Yes. Unit is member of Lote- Parshuram CETP.
Note on ETP technology to be used	Collection tank > Neutralization tank > Coagulation tank > Flocculation > Pri. clarification > Aeration treatment > Sec.clarification > Pressure sand filter > Activated carbon filter > RO treatment > RO reject to MEE > MEE permeate to final treated collection tank
Disposal of the ETP sludge	ETP sludge will be disposed off to CHWTSDF, Taloja.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil / Spent Oil	5.1	Lit/A	5000	0	5000	Will be sold to Authorized Recycler
2	Waste Oil	5.2	Lit / A	500	0	500	Will be sold to Authorized Recycler or disposal to CHWTSDF
3	Asbestos containing material/ discarded asbestos	15.2	TPA	2	0	2	CHWTSDF
4	Waste Polymer	20.3	TPA	7	0	7	Used to prepare polymers and sold as construction additives OR Sent to CHWTSDF
5	Containers/barrels/drums use for hazardous waste / chemicals	33.1	Nos./month	30	0	30	Sell to Authorize party.
6	ETP Sludge	35.3	TPA	3000	0	3000	CHWTSDF
7	Spent Carbon	28.3	TPA	9.5	0	9.5	CHWTSDF
8	Process Residue (DAAM)	28.1	TPA	50	0	50	CHWTSDF

9	Process Residue (from other process)	28.1	TPA	265.3	0	265.3	CHWTSDF
10	Reagent Bottles	--	Nos./A	350	0	350	Sell to authorized recycler
11	Glass wool & puff	--	TPA	4	0	4	CHWTSDF
12	Waste fuel hydrocarbon (bottom ash from oil fired boiler,stack)	11.4	Kg/A	300	0	300	CHWTSDF
13	Battery waste	--	Nos./A	12	0	12	Sell to authorized party
14	Electrical Bulbs, Glasses & Tubes	--	Nos./A	450	0	450	Sell to authorized party
15	Electrical waste cables	--	TPM	100	0	100	Sell to authorized party
16	Distillation residue (Tar polymer)	28.1	TPA	0	125	125	CHWTSDF
17	Spent Catalyst	28.2	TPA	0	2	2	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	15 TPH Boiler (Existing)	Coal: 3020 Kg/Hr	1	40	1	160
2	9 TPH Boiler (Existing)	Coal: 1050 Kg/Hr	2	35	1	150
3	6 TPH Boiler (Existing)	Furnace oil: 340 Kg/Hr	3	40	0.85	146
4	10 LacKcal/Hr Thermic Fluid Heater (Existing)	Furnace oil: 140 Kg/Hr	4	30.5	0.58	112
5	54 TPH Boiler (Existing)	Coal: 10680 Kg/Hr	5	66	1.5	140
6	30 LacKcal/Hr Thermic fluid heater (Existing)	Coal: 665 Kg/Hr	6	35	0.85	240
7	30 LacKcal/Hr Thermic fluid heater (Proposed)	Coal: 665 Kg/Hr	7	35	0.85	240
8	D.G. Set (320 KVA) (Existing- emergency use)	HSD: 60 Lit/Hr	8	3 (above the roof)	0.1	110
9	D.G. Set (600 KVA) (Existing- emergency use)	HSD: 80 Lit/Hr	9	5 (above the roof)	0.3	116
10	D.G. Set (125 KVA) (Existing- emergency use)	HSD: 40 Lit/Hr	10	3 (above the roof)	0.1	136
11	D.G. Set (1500 KVA) (Existing- emergency use)	HSD: 200 Lit/Hr	11	7.8 (above the roof)	0.4	156
12	D.G. Set (125 KVA) (Existing- emergency use)	HSD: 40 Lit/Hr	12	2.5 (above the roof)	0.1	154

13	Flare (Existing- for Emergency)	--	13	32	--	--
14	Flare (Proposed- for Hydrogen gas)	--	14	As per statutory requirement	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	15415 Kg/Hr	665 Kg/Hr	16080
2	Furnace oil	480 Kg/Hr	0	480 Kg/Hr
3	HSD	420 Lit/Hr	0	420 Lit/Hr
41.Source of Fuel		from nearby source		
42.Mode of Transportation of fuel to site		By road		

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

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	details given in EIA report	details given in EIA report	details given in EIA report	details given in EIA report
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	--	--	--

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Electricity requirement will be fulfilled by existing co generation plant.
	DG set as Power back-up during construction phase	Existing DG set adequate for additional load.
	During Operation phase (Connected load):	Electricity requirement will be fulfilled by existing co generation plant.
	During Operation phase (Demand load):	Electricity requirement will be fulfilled by existing co generation plant.
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Existing DG set adequate for additional load.
	Fuel used:	HSD
	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
Air pollution (Utilities, Process, DG set)	Stack, Cyclone, Bag filter, Process scrubber	Stack, Cyclone, Bag filter, Process scrubber
Water pollution	ETP	ETP, RO, MEE
Noise pollution	PPE, Acoustic enclosure	PPE, Acoustic enclosure
Hazardous waste	disposal to CHWTSDF, authorized recycler	disposal to CHWTSDF, authorized recycler

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	--	--	--

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	from Utilities, Process, DG set	200	20
2	Environment Monitoring	Regular monitoring	6	4
3	Water Pollution Control	ETP, RO, MEE	300	40
4	Hazardous waste & Solid waste management	storage & disposal of hazardous waste & Non hazardous waste	10	7
5	Green Belt Development	development & maintenance of green belt	12	5
6	Occupational Health & Safety	PPE, safety training	9	5
7	Social welfare & upliftment	ESC budget	450	40

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
Acetonitrile	Existing	within plot	1 no of 44 KL, 2 nos. of each 250 KL	27 Ton, 2 nos. of each 171 Ton	as per requirement	nearby source	By road
Isobutylene	Existing	within plot	110 KL & 4 Nos. of each 183 KL	52 Ton & 4 Nos. of each 87 Ton	as per requirement	nearby source	By road
Sulfuric acid	Existing	within plot	2 nos. of 25 KL each & 1 no. of 150 KL	2 nos. of 39 Ton each & 1 no. of 156 Ton	as per requirement	nearby source	By road
Sodium hydroxide	Existing	within plot	1 no. of 50 KL, 1 No. of 120 KL	1 no. of 51 Ton, 1 No. of 154 Ton	as per requirement	nearby source	By road
SO3	Existing	within plot	6.1 KL	9 Ton	as per requirement	nearby source	By road
Methanol	Existing	within plot	1 no. of 18 KL & 1 no. of 650 KL	1 no. of 11 Ton & 1 no. of 370 Ton	as per requirement	nearby source	By road
Methyl tertiary butyl ether	Existing	within plot	2 nos. of 650 KL each & 1 no. of 750 KL	2 nos. of 400 Ton each & 1 no. of 450 Ton	as per requirement	nearby source	By road

HOM	Existing	within plot	40 KL	23 Ton	as per requirement	nearby source	By road
Furnace oil	Existing	within plot	44 KL	40 Ton	as per requirement	nearby source	By road
Na -ATBS	Existing	within plot	2 nos. of 50 KL each & 1 no. of 120 KL	2 nos. of 55 Ton each & no. of 115 Ton	as per requirement	nearby source	By road
HPMTBE	Existing	within plot	2 nos. of 93 KL	2 nos. of 55 Ton each	as per requirement	nearby source	By road
Toluene	Existing	within plot	50 KL	35 Ton	as per requirement	nearby source	By road
Acetic acid	Existing	within plot	100 KL	85 Ton	as per requirement	nearby source	By road
PTBT	Existing	within plot	50 KL	40 Ton	as per requirement	nearby source	By road
PTBBA / Ester	Existing	within plot	50 KL	40 Ton	as per requirement	nearby source	By road
Phenol	Proposed	within plot	1000 KL	850 Ton	as per requirement	nearby source	By road
Ortho tertiary Butyl Phenol (OTBP)	Proposed	within plot	360 KL	300 Ton	as per requirement	nearby source	By road
2,4 di-tertiary butyl phenol (2,4 DTBP)	Proposed	within plot	360 KL	260 Ton	as per requirement	nearby source	By road
2,6 di-tertiary butyl phenol (2,6 DTBP)	Proposed	within plot	360 KL	250 Ton	as per requirement	nearby source	By road
Al2(SO4)3 solution	Proposed	within plot	360 KL	300 Ton	as per requirement	nearby source	By road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	11,675.52
	Area per car:	as per MIDC norms
	Area per car:	as per MIDC norms
	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):	Minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-07-2017

Brief information of the project by SEAC

PP has obtained TOR from the SEAC-1 in 135th meting held on 21,22 & 23rd September, 2016 to prepare EIA/EMP report as per EIA Notification, 2006.

PP had obtained earleir EC vide No. SEAC-2015/CR-236/TC-2 dated 28.06.2016.

Now PP submitted the EIA report to the committee for appraisal.

The proposal is for change in product mix. PP proposes to remove the following products from their list,

1. Lilialdehyde

2. Butyl Benzaldehyde

3. T-Butanol

and add a prodcut Para tertiary butyl phonel with manufacturing capacity of 39000MT/Year

DECISION OF SEAC

SEAC-1 after deliberation decided to defer the proposal till PP submits compliance/ clarification on following points.

Specific Conditions by SEAC:

1) PP to ensure Zero Liquid Discharge and no effluent to be discharged to CETP.
2) PP to submit clarification on the organic content in the soil; PP submitted report which mentions organic carbon in the soil is 12%.
3) PP to collect sample from river Washishthi two samples per kilometer and submit analysis report as a part of EIA report to identify the impact of proposed activity on the river.
4) PP to upload on site emergency plan on the web site.

FINAL RECOMMENDATION

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