151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for Environmental Clearance for proposed expansion of M/s. Halides Chemicals Pvt. Ltd. from 636 MT/Year to 3407.26MT/Year

Is a Violation Case: No

1.Name of Project	M/s. Halides Chemicals Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanket .D. Nigudkar
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Industrial Estate-Industry 5 (f) Category
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No, As per the EIA Notification the existing project does not need Environmental Clearance
8.Location of the project	Plot No. A-2, MIDC Kurkumbh, Taluka -Daund, Pune
9.Taluka	Daund
10.Village	Not Applicable
Correspondence Name:	Mr. Sanket .D. Nigudkar
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	Neelashri
Road/Street Name:	Off Paud Road
Locality:	Kothrud
City:	Pune
11.Area of the project	Kurkumbh MIDC Area
12.IOD/IOA/Concession/Plan Approval Number	No Industry has applied for revised layout
	IOD/IOA/Concession/Plan Approval Number: No Industry has applied for revised layout
	Approved Built-up Area: 2852.55
13.Note on the initiated work (If applicable)	It is an already existing industry and is in operation since 1995. No activity has been initiated for the proposed expansion.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4050.00 Sq. m.
16.Deductions	Not applicable
17.Net Plot area	4050.00 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1402.23
	b) Non FSI area (sq. m.): Not Applicable
	c) Total BUA area (sq. m.): 1402.23
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1402.23
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34%
21.Estimated cost of the project	90500000

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 as it is an industry
24.Number of expected residents / users	This is an industry and Total expected population shall be 50
25.Tenant density per hectare	Not applicable as it is an industry
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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius is 9 m
29.Existing structure (s) if any	This is an expansion project in terms of production. All the buildings are already constructed and are in operation . Construction of sheds, storage tanks will be done
30.Details of the demolition with disposal (If applicable)	Not applicable as no demolition activity will be carried out

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	N- Bromosuccinimide	360.00	60.00	420.00
2	N-Chlorosuccinimide	240.00	-120	120
3	N-Iodosuccinimide	36.00	00	36.00
4	Bromo OTBN (2-cyano-4-Bromomethyl biphenyl)	0.00	600.0	600.0
5	2-Bromopropionic Acid	0.00	180.0	180.0
6	Propionyl bromide	0.00	180.0	180.0
7	N- Hexyl bromide	0.00	240.0	240.0
8	tert- Butyl bromoacetate	0.00	240.0	240.0
9	Sodium Bromide Solution	0.00	977.808	977.808
10	Hydrogen Bromide Solution in water	0.00	703.560	703.560
11	Spent Iodine	0.00	21.528	21.528
12	phosphorous Acid	0.00	84.3684	84.3684

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	42.83
	Recycled water - Flushing (CMD):	0.00
	Recycled water - Gardening (CMD):	4.9
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	61.54
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	42.83
	Recycled water - Flushing (CMD):	0.00
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	61.54
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Swimming pool 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	10.50	0	10.5	2.1	Nil	2.1	8.4	0	8.4
Cooling tower & thermopack	0.2	30.39	30.5	0.00	29.89	29.89	0.0	0.603	0.603
Industrial Process	7.0	8.55	15.55	1.5	0.55	2.05	5.5	8.0	13.5
Gardening	0.0	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	50-100m
	Size and no of RWH tank(s) and Quantity:	1 tank of 2.5 m*2.5m*3.20 m
	Location of the RWH tank(s):	Behind parking 2; Near Security cabin
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	100000
	Budgetary allocation (O & M cost) :	12002
	Details of UGT tanks if any :	Two UG tanks are installed : UG water tank of 30,000 Litres capacity is installed for domestic use UG water tanks of 20,000 Litres capacity is installed for fire fighting purpose
35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	543.13
	Size of SWD:	width -340 mm ; depth-260 mm
Sewage and Waste water	**Sewage generation in KLD:**	8.4 KLD
	STP technology:	Currently having Septic tank. Industry has proposed STP with MBBR Technology for proposed expansion
	Capacity of STP (CMD):	1 (Proposed)- 15 CMD
	Location & area of the STP:	Behind L.D.O storage/furnace oil tank
	Budgetary allocation (Capital cost):	85.0 Lakh (Existing +Proposed)
	Budgetary allocation (O & M cost):	6 Lakh (Existing +Proposed)

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris
	Disposal of the construction waste debris:	Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas.
Waste generation in the operation Phase:	**Dry waste:**	Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./Y
	Wet waste:	No wet waste is generated
	Hazardous waste:	Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution - 78 Ton/Y
	Biomedical waste (If applicable):	No Bio-medical waste is generated
	STP Sludge (Dry sludge):	0.15 Ton/Y
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Paper bags and fibre drums will be sold to Authorized recycler ; HDPE drums will be used to refill byproduct; STP sludge will be used as manure
	Wet waste:	Not Applicable
	Hazardous waste:	Used spent oil will be disposed off to Authorized Re-processor; Spent Catalyst, Chemical sludge from waste water and salt solution will be disposed to CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Near STP plant; Behind Boiler room
	Area for the storage of waste & other material:	Separate Hazardous Waste storage area, Segregated metallic scrap yard, Segregated paper and plastic scrap yard is made for storage of waste
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Nil
	O & M cost:	Nil

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	7.22	6.49	5.5-9.0
2	TSS	mg/Lit	<10.0	<10.0	<=100.0
3	BOD	mg/Lit	4400	<10.0	<=100.011
4	COD	mg/Lit	32765.96	34.48	<=250.0
5	Sulphates	mg/Lit	26891.66	<1.0	<1000
6	Chlorides	mg/Lit	8590.91	6.0	<=600

Amount of effluent generation (CMD):	14.103 CMD
Capacity of the ETP:	16.0 CMD
Amount of treated effluent recycled :	13.81 CMD
Amount of water send to the CETP:	Waste water generated in industry is recycled and used for various other processes, gardening etc.
Membership of CETP (if require):	Yes; Industry has obtained CETP membership
Note on ETP technology to be used	Industry has provided RO + MEE of capacity 16.0 CMD
Disposal of the ETP sludge	ETP sludge generated will be disposed to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent Oil	5.1	Lit/Y	100	700	800	Autho. Re-processor
2	Spent catalyst/Spent carbon	28.2	Kg/Y	100	4400	4500	CHWTSDF
3	Chemical Sludge from wastewater treatment	34.3	Ton./Y	360	50	410	CHWTSDF
4	Salt Solution	34.3	Ton/y	Nil	78	78	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 750kg/Hr	Furnace Oil; 1000 Lit/Day	1	10	0.254	137
2	Boiler+Thermopack 600 kg/Hr	LDO; 1450 Lit/Day	2	14	0.254	110
3	Bromination/Chlorination	Not applicable	3	6	0.1016	54
4	Imide Formation	Not Applicable	4	4.5	NA	NA
5	Drying Section	Not Applicable	5	4.5	NA	NA
6	D. G Set 160 KVA	Diesel	6	2.5	0.1016	112
7	D.G Set 62.5 KVA	Diesel	7	2.5	0.1016	112

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	37 Lit/Hr	Nil	37 Lit/Hr
2	L.D.O	1000 Lit/Day	Nil	1000 Lit/Day
3	Furnace Oil	1450 Lit/Day	Nil	1450 Lit/Day
41.Source of Fuel		Industry /Market		
42.Mode of Transportation of fuel to site		Fuel is brought to site by tankers		

43.Green Belt Development	**Total RG area :**	457.40 Sq. m
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Existing - 37; Proposed - 7
	List of proposed native trees :	List of proposed trees is given below
	Timeline for completion of plantation :	Industry is already having 37 trees planted in project area and has proposed plantation of 7 trees after obtaining EC

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	Neem	Azadiractha Indica	5	Neem has emerged to be an ideal source for insecticide and pesticide
2	Sisam	Dalbergia sissoo	1	Sissam enriches soil due to presence of nitrogen fixing bacteria in roots
3	Leman	C. Limon	1	Lemon are rich source of Vitamin C and due to antibacterial and immune stimulant re used in medicinal use
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)	Not applicable as industry is already under operation
	DG set as Power back-up during construction phase	Industry is already having D.G.Set of 62.5 KVA
	During Operation phase (Connected load):	140 KW
	During Operation phase (Demand load):	150 KW (Existing -120 KW +Proposed 30 KW)
	Transformer:	200 KVA
	DG set as Power back-up during operation phase:	160 KVA (Existing DG Set of 62.5 KVA shall be replaced by 160 KVA)
	Fuel used:	37 Lit/Hr
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Halides Chemicals have taken the effort to use natural resources available such as solar heat and light. They have installed solar water heating system which gives heated water for boiler input so that the fuel load of the boiler reduces thereby reducing the pollution. The industry is also using solar street light to lighten up the internal road.

Reduction in energy consumption:8-10%
REduction in fuel consumption:10-11%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Reduction in energy consumption	8-10%
2	Reduce in fuel consumption	10-11%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set 160 KVA	Acoustic enclosure with adequate height	Not applicable
Boiler 1 [750 kg/hr]	Adequate height	Not applicable
Boiler +Thermopack 600 kg	Adequate height	Not applicable
Chlorine Section	Gas Leak System	Not applicable
Bromine Section	Gas Leak System	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1320000
	O & M cost:	50000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable as industry is already under operation	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 System	Existing +Proposed cost	15	1
2	Water Pollution Control Systems	Existing +Proposed Cost	85.0	6
3	Noise Pollution Control	Existing +Proposed	9.0	0.50
4	Green Belt Development / Maintenances	Exiting +Proposed	2.0	0.25
5	Environmental Monitoring/Environmental Management	Exiting +Proposed	0.00	2.0
6	Occupational health and safety	Exiting +Proposed	4.0	1.5
7	Solid Waste Management	Exiting +Proposed	1.0	0.5
8	Rain Water Harvesting	Exiting +Proposed	1.0	0.12
9	Energy Saving Measures	Exiting +Proposed	13.20	0.50

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
Acetic Acid	Liquid	Proposed Storage	2.0	2.0	4.0	Industry/Market	By Road
Chlorine	Gas	900kg Tonner	0.9	0.9	1.8	Industry/Market	By Road
Chlorine	Gas	900kg Tonner	0.9	0.9	1.8	Industry/Market	By Road
Chlorine	Gas	900kg Tonner	0.9	0.9	1.8	Industry/Market	By Road
OTBN	Liquid	RM Store	9.0	9.0	40.0	Industry/Market	By Road
AIBN	Solid	RM Store	0.1	0.1	1.35	Industry/Market	By Road
Propionic Acid	Liquid	RM Store	5.0	5.0	15.74	Industry/Market	By Road
Red Phosphorous	Solis	RM Store	1.0	1.0	2	Industry/Market	By Road
Phospohrous Tribromide	Liquid	RM Store	1.0	1.0	9.0	Industry/Market	By Road
n-Hexanol	Liquid	RM Store	1.0	1.0	13.02	Industry/Market	By Road
Acetyl Bromide	Liquid	RM Store	1.0	1.0	13.62	Industry/Market	By Road
Tert Butanol	Liquid	RM Store	5.0	5.0	10	Industry/Market	By Road
N-BromoSuccinimide	Solid	FG Store	15.0	15.0	30	Industry/Market	By Road
N-Chlorosuccinimide	Solid	FG Store	5.0	5.0	10	Industry/Market	By Road
N-IodoSuccinimide	Solid	FG Store	0.1	0.1	0.2	Industry/Market	By Road

Bromo OTBN	Solid	FG Store	5.0	5.0	10	Industry/Market	By Road
2 Bromo Propionic Acid	Liquid	FG Store	5.0	5.0	10	Industry/Market	By Road
Propionyl Bromide	Liquid	FG Store	1.0	1.0	2.0	Industry/Market	By Road
N-Hexyl Bromide	Liquid	FG Store	1.0	1.0	2.0	Industry/Market	By Road
Tert Butyl Bromo Acetate	Liquid	FG Store	1.0	1.0	2.0	Industry/Market	By Road
Spent Iodide	Crystalline	FG Store	0.3	0.3	0.6	Industry/Market	By Road
H3PO3	Solid	RM Store	2.0	2.0	4.0	Industry/Market	By Road
Diesel	Liquid	DG Set Tank	0.4	0.4	08	Industry/Market	By Road
Furnace Oil	Liquid	FO Tank	10.0	10.0	20.0	Industry/Market	By Road
LDO	Liquid	LDO Storage	5.0	5.0	10.0	Industry/Market	By Road
Sodium Bromide Soultion	Liquid	Conc. Effluent Tank	10.0	10.0	20.0	Industry/Market	By Road
Methylene Dichloride	Liquid	Near HBr Storage Tnank	10.0	10.0	59.2	Industry/Market	By Road
Caustic Soda Iye	Solid	Storage Tank	17.0	17.0	34.0	Industry/Market	By Road
Ethylene Dichloride	Liquid	Storage Tank	12.5	12.5	25.0	Industry/Market	By Road
Sulphuric Acid	Liquid	Storage Tank	10.0	10.0	20.0	Industry/Market	By Road
Succinic Acid	Solid	Proposed Shed	20	20	43.05	Industry/Market	By Road
Iodine	Crystalline Solid	Proposed Shed	0.5	0.5	3.6	Industry/Market	By Road
Liquid Bromine	Liquid	Proposed Storage Shed	10.80	10.80	96.172	Industry/Market	By Road
Sodium Bromate	Solid	Proposed Storage Shed	4.0	4.0	14.0	Industry/Market	By Road
Succinimide	Solid	Proposed Storage	5.0	5.0	10.0	Industry/Market	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	495.69 Sq. m
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	20
	Number of 4-Wheelers as approved by competent authority:	2
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Approx. 6 metre
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No protected areas near project site
	Category as per schedule of EIA Notification sheet	Category B: 5 (f)
	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	24-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP 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.

DECISION OF SEAC

During deliberations it was observed that PP uploaded EIA report on 23.05.2018 which was not circulated to all expert members.

As EIA report was not studied by the committee members, SEAC decided to defer the proposal till next 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

Subject: Environment Clearance for Pacific Organics Pvt Ltd., Plot No.- N-4, Additional Ambernath MIDC, Anandnagar Ambernath East, Dist. Thane

Is a Violation Case: Yes

1.Name of Project	Expansion project for manufacturing of products in the category of pharmaceuticals Intermediates and Speciality chemicals.
2.Type of institution	Private
3.Name of Project Proponent	Rahul Kansingh Rajpurohit (Director)
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No - N - 4
9.Taluka	Ambernath
10.Village	Ambernath
Correspondence Name:	Pacific Organics Pvt Ltd
Room Number:	NA
Floor:	NA
Building Name:	Plot No. N-4
Road/Street Name:	Additional Ambarnath
Locality:	Anandnagar MIDC
City:	Ambarnath (E)
11.Area of the project	Ambernath municipal council, Ambernath-421506.
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 2670
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.)	7025 sq.m
16.Deductions	NA
17.Net Plot area	7025 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 18-04-2018
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	90700000

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	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	Manufacturing Shed and office building
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Tetra butyl ammonium bromide	130	0	130
2	N,N Di isopropylethylamine	30	0	30
3	N butyl bromide	50	0	50
4	N propyl bromide	20	0	20
5	Iso propyl bromide	10	0	10
6	Tetra butyl ammonium hydrogen sulfate	25	0	25
7	Lithium hydroxide	5	25	30
8	Lithium bromide	20	0	20
9	Lithium chloride	5	5	10
10	Lithium carbonate	5	5	10
11	Packing and Repacking of Tetra Butyl Ammonium Bromide,Tetra Butyl ammonium Hydrogen Sulphate & Cyanoacetamide	50	0	50

12	Tri ethyl benzyl ammonium chloride	30	0	30
13	Cyanoacetamide	0	50	50
14	Cobalt Nitrate	0	2	2
15	Cobalt Acetate	0	2	2
16	Cobalt Carbonate	0	3	3
17	Cobalt Chloride	0	2	2
18	Cobalt Sulfate	0	1	1
19	Bismuth Nitrate	0	2	2
20	Bismuth Oxide	0	2	2
21	Bismuth hydroxide	0	2	2
22	Bismuth carbonate	0	3	3
23	Bismuth oxychloride	0	2	2
24	Nickel Nitrate	0	1	1
25	Nickel Carbonate	0	2	2
26	Nickel Acetate	0	1	1
27	Nickel Sulfate	0	1	1
28	Cadmium Nitrate	0	1	1
29	Cadmium Acetate	0	1	1
30	Cadmium Carbonate	0	2	2
31	Cadmium Chloride	0	1	1
32	Cadmium Sulfate	0	1	1
33	Ammonium molybdate	0	1	1
34	Molybdic acid	0	1	1
35	Sodium Molybdate	0	1	1

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	51
	Fire fighting - Underground water tank(CMD):	1 lac/liters
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	NA

Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	51
	Fire fighting - Underground water tank(CMD):	1 lac/liters
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	2	4	6	0.2	0.8	1	1.8	3.2	5
Industrial Process	20	5	25	16	+1	17	4	6	10
Cooling tower & thermopack	10	10	20	15	0	15	2.5	2.5	5
Gardening	1	4	5	0	5	5	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	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 :	UGT tank having Capacity - 1 Lac/ Lit is available which will be use for Fire fighting.

35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Primary, Secondary and Tertiary treatment and treated water will be used for gardening.
	Capacity of STP (CMD):	1 No. and capacity: 10 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	8 lacs
	Budgetary allocation (O & M cost):	20 thousand/M
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Nil
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	1. Chemical Sludge from waste water treatment = 3.6 T/A; 2. Activated Carbon = 3.9 T/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Manufacturing Area, Admin Area , ETP , STP area etc.
	Area for the storage of waste & other material:	800 sq.m
	Area for machinery:	405 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in to total cost
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4 - 9	6.0 – 8.5	5.5 -9.0
2	BOD3 270C	mg/L	400-650	85 - 95	<100
3	COD	mg/L	3000-3500	170 - 200	<250
4	TSS	mg/L	350-450	75 - 90	<100
5	TDS	mg/L	10000-12000	1500-2000	< 2100
6	Oil & Grease	mg/L	10–20	10	<10

Amount of effluent generation (CMD):	15
Capacity of the ETP:	20 CMD
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	15 CMD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Primary , Secondary , Tertiary and treated effluent sent to CETP
Disposal of the ETP sludge	CHWTSDF,

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from waste water treatment	34.3	T/A	3.6	0	3.6	CHWTSDF
2	Activated Carbon	28.2	T/A	3.9	0	3.9	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 Boiler 2 No 0.50 TPH each	Briquettes - 2.34 TPD,or Wood - 1.59 TPD, or coal- 1.66 TPD	Common Stack	30	0.3	-
2	Existing Thermopack 1 no 2.0 lac Kcal/hr	Briquette - 1500 kg/Day, or Wood- 1000 kg/Day	Common Stack	30	0.3	-
3	Existing D G 1 no X 200 KVA	HSD or LDO - 500 lit/M	stack above roof top of the building	4.5	0.15	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquettes or Wood or coal	2.34 TPD , 1.59 TPD , 1.66 TPD respt.	0	2.34 TPD , 1.59 TPD , 1.66 TPD respt.
2	Briquette or Wood	1500 Kg/Day, 1000 Kg/Day Respt.	0	1500 Kg/Day, 1000 Kg/Day Respt.
3	HSD or LDO	500 Lit/M	0	500 Lit/M

41.Source of Fuel	Local Market
42.Mode of Transportation of fuel to site	Tanker / Truck

43.Green Belt Development	**Total RG area :**	1100 Sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	60 Nos.
	List of proposed native trees :	Pimpal, False Ashok , Neem, Palm
	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	Ficus religiosa	Pimpal	5	Dust Resistant and Local Variety
2	Polyalthia longifolia	False Ashok	35	sound Barrier and Local Variety
3	Azardirachta indica	Neem	10	Dust Resistant and Medicinal Value
4	Azardirachta indica	Neem	10	Dust Resistant and Medicinal Value
5	Anthosephalus cadamba	Kadamb	3	Dust barrier and Local variety
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	Thevetia pearuviana (Kanher)	1.5 m	15
2	Bougainvillea galvara	2 m	20

47.Energy

Power requirement:	**Source of power supply :**	MSDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	80 KW
	During Operation phase (Demand load):	373 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	HSD or LDO
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Nil

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler	Combine Stack	cyclone
Thermopack	Combine Stack	cyclone
DG	Stack	Stack

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	9.07 Crs.
	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	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	Cyclone	For dust collection	6.0	0.5
2	Stack	for dispertion	6.5	1.2

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
Tri n butyl amine	Liquid	Dyke	40	40	82	Imports	Tanker
N butyl bromide	Liquid	Dyke	20	20	65	Local	Truck
Acetonitile	Liquid	Dyke	10	10	6.5	Local	Truck
Ethyl acetate	Liquid	Dyke	25	25	50	Local	Tanker
Di ethyl sulphate	Liquid	Dyke	20	20	40	Local	Tanker
Di iso propyl amine	Liquid	Dyke	25	25	25	Imports	Tanker
Caustic soda lye	Liquid	Dyke	15	15	15	Local	Tanker
Liquid bromine	Liquid	Dyke	20	20	75	Local	Truck
N butanol	Liquid	Dyke	20	20	40	Local	Tanker
Sulfer	Solid	open yard	5	5	4.5	Local	Truck
N propanol	Liquid	Dyke	10	10	10	Local	Tanker
Iso propanol	Liquid	Dyke	10	10	10	Local	Tanker
Sulfuric acid	Liquid	Dyke	15	15	8	Local	Tanker
Methyl cyano acetate	Liquid	Dyke	20	20	60	Imports	Truck
Methanol	Liquid	Dyke	5	5	5	Local	Tanker
Ammonia gas	Gas	Cylinder	2	2	10	Local	Truck
Tri ethyl amine	Liquid	Dyke	15	15	15	Local/Imports	Tanker
Benzyl chloride	Liquid	Dyke	15	15	18	Local	Truck
Ethylene di chloride	Liquid	Dyke	10	10	6	Local	Tanker
Lithium carbonate	Solid	Covered storage	15	15	30	Local/ Imports	Truck
Hydrobromic acid	Liquid	Dyke	20	20	40	Local/ Imports	Truck
Hydrochloric acid	Liquid	Dyke	10	10	30	Local	Tanker
Sodium carbonate	Solid	Store Room	10	10	10	Local	Truck
Lithium sulfate solution	Liquid	Dyke	20	20	20	Local	Tanker
Activated carbon	Solid	Store Room	2	2	0.5	Local	Truck
Cobalt metal	Solid	Store Room	2	2	1	Local	Truck
Bismuth metal	Solid	Store Room	5	5	2	Local	Truck
Nickel metal	Solid	Store Room	2	2	1	Local	Truck
Cadmium metal	Solid	Store Room	2	2	1	Local	Truck
Molybdenum tri oxide	Solid	Store Room	2	2	1	Local	Truck
Nitric acid	Liquid	Dyke	10	10	5	Local	Tanker
Liquid ammonia	Liquid	Dyke	10	10	5	Local	Tanker
Ammonium bi carbonate	Solid	Store Room	5	5	2	Local	Truck
Sodium bi carbonate	Solid	Store Room	5	5	2	Local	Truck
Sodium hydroxide	Solid	Store Room	5	5	1	Local	Truck

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	850 sq.m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	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	Ordinance factory - 6 KM
	Category as per schedule of EIA Notification sheet	5f B
	Court cases pending if any	NA
	Other Relevant Informations	The said proposal was submitted on MOEF portal on 12 September 2017 under the cell of violation with reference to the notification No. S.O.804(E) dated 14.03.2017 under the A category . However with reference to Notification no. S.O. 1030 (E) dated 8th March 2017 , Office Memorandum F. No. Z-No. Z-110/3/22/2017-IA (II) M dated 15th March and 16th March 2018, Herewith we are resubmitting the application as B category under violation.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable

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

Brief information of the project by SEAC

The history of the proposal is as below,

* Pcific Organics Pvt. Ltd. is the manufacturer of chemical intermediates and speciality chemicals at Plot No. N-4 in additional MIDC, Ambernath.

* The industry was established in the year 1995, however unit at Ambernath was established in the year 2004. PP obtained Consent to Operate on 9th Septemebr, 2008.

* The industry is in the manufacturing of Brominated compounds, Lithium Compounds, Phase transfer catalyst, intermediates etc.

* Industry obtained Consent to Operate to manufacture organic compounds in the year 2009 and started manufacturing with out obtaining prior Environment Clearance.

* PP applied for Environmental Clearance for proposed expansion to the SEIAA; in this connection the proposal was considered by SEAC in its 138th meeting held on 1st June, 2017 wherein SEAC noted that, existing factory was established in 2004 but received consent to operate in 2008 and started manufacturing unit without obtaining prior Environment Clearance. SEAC-1 referred the proposal to SEIAA for the decision regarding the issue of violation under EIA Notification, 2006. Immediately after the meeting Pacific Organics has stopped the production of all the organic chemicals which attracts EC.

* PP informed that, the proposal was discussed in 112nd meeting of SEIAA on 27th July, 2017. However, as per discussion in SEIAA meeting it was decided that, the issue of applicability of violation to the unit will be considered by the Government.

Now PP submitted their application for grnat of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018.

PP applied for the grant of ToR to the MoEF&CC on 12.09.2017 and SEIAA vide Unique ID No1256.. on 13th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

DECISION OF SEAC

Based on the activities initiated by the PP without obtaining prior Environment Clearance, the PP submitted a proposal for grant of Terms of References for preparation of EIA ad EMP report and to implement EMP, comprising of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation as a condition of Environment Clearance.

After detailed deliberations with the PP and their accredited consultant M/s Goldfinch Engineering Systems Pvt. Ltd., Mumbai, committee decided to approve the TOR for the preparation of EIA/EMP report as per model TOR issued by MoEF & CC published in April, 2015, Notification dated 14.03.2017and 08.03.2018and OM dated 15.03.2017 along with additional TOR points mentioned below.

The validity of the TOR will be for three years as per OM issued by MoEF and CC on 29.08.2017.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
3) PP to submit details of project description, its importance and benefits. The benefits shall clearly indicate environmental, social, economic, employment potential etc.
4) PP to submit Year wise production details since the start of the operations along with copies of RG1 register.
5) PP to submit project site details (location, topo sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
6) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc.
7) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
8) Existing environmental quality within 10 km radius of the project site to be assessed based on primary data generated at site and secondary data collected from various sources. One time baseline data to be generated for following environmental attributes based on site conditions.
9) 9.1 Meteorology and Air Quality: Meteorological data like temperature, humidity, rainfall, wind direction, wind speed to be obtained as to assess the climatic trend through secondary source such as IMD, Pune.
10) 9.2. Air Environment: (i) The monitoring stations shall be selected based on likely impact areas due to proposed activity/sensitive areas, near by habitations around the project site if any, topography, down wind and up wind directions. (ii) Eight stations to be selected for monitoring of PM2.5, PM10, SOx, NOx for one time baseline study as per CPCB guidelines for Ambient Air Quality Monitoring. (iii) Dispersion pattern to be generated to assess the existing ambient air quality of the study area around 10 km radius through ArcGLS platform.
11) 9.3. Water Environment: (i)Grab surface ground water samples to be collected around 10 km radius parameters recommended by CPCB/IS 10500 to be analyzed to assess the physiochemical and bacteriological quality of the water. (ii) Samples to be collected one time during study period to identify the impact due to proposed project operations. (iii) Details of proposed water conservation measures to be given in the report.
12) 9.4. Soil Environment: (i) Soil samples to be collected and analyzed for physical and chemical properties of the soil to determine the impact on the soil due to proposed activities and to determine the impact of loss of fertility from agricultural productivity point of view. (ii) Samples to be collected one time during the study period.
13) 9.5. Land Environment: Land use and land cover analysis delineating the agricultural land, forest land, waste land, built up land, water bodies using satellite imageries through ERDAS ad ArcGIS platform.
14) 9.6. Socio Economic Environment: (i) Secondary data to be used from source such as Census records/ data available with local offices etc. (ii) PP to collect secondary data through field survey and corelate with the available primary data.(iii) Spatial distribution of population, occupational characteristics, literacy rate, sanitation status, availability of safe drinking water and adequate nutrition especially to the pregnant women's and childrev in the area etc.
15) 9.7. Ecology and Biodiversity: (i) a detailed biological study of the area will be carried out around 10 km radius through field survey.(ii) Location of national park, sanctuaries, biosphere reserves, wild life corridors etc. if any, within 10 km radius to be mentioned. (ii) Phase wise plan of plantation to be charted clearly indicating the area to be covered under plantation and the species to be planted.
16) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
17) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
18) PP to submit details of rain water harvesting plan.
19) PP to carry out HAZOP and QRA and submit disaster management plan.
20) PP to submit details of waste water management (treatment, reuse and disposal) for the project.
21) PP to submit details of hazardous waste and solid waste management plan. (Storage, transport, treatment and disposal).
22) PP to submit details of energy efficient measures proposed in the project like use of LED lights, solar power etc.
23) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
24) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
25) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
26) To calculate the cost of project (capital and recurring) as well as cost required towards the implementation of EMP to be clearly spelt out in the EIA/EMP report.
27) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.
28) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
29) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.

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 Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for Proposed expansion of Bulk Drugs and Intermediates Manufacturing capacity from 160 MT/Yr. to 266.6 MT/Yr. (Increase by 106.6 MT/Yr.) - Application for grant of ToRs .

Is a Violation Case: No

1.Name of Project	M/s. CIPLA Ltd. (Unit-I)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bhagwan Gawali (Director)
4.Name of Consultant	Equinox Environments (India) Pvt. Ltd.
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed expansion and modernization project of Existing Bulk Drugs and Intermediates Manufacturing Unit
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance w.r.t. existing unit is obtained from MoEF dated 05.04.2006
8.Location of the project	Unit – I, Plot no. D-7 & D-8, Kurkumbh MIDC, Tal.: Daund, Dist.: Pune, Maharashtra
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	M/s. Cipla Ltd. (Unit-I)
Room Number:	Plot No. D-7 & D-8
Floor:	--
Building Name:	--
Road/Street Name:	Kurkumbh MIDC
Locality:	Kurkumbh, Daund
City:	Pune
11.Area of the project	Notified Industrial Area - Kurkumbh MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 59652
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Existing unit of CIPLA Ltd. is located in notified industrial area i.e. Kurkumbh MIDC.
15.Total Plot Area (sq. m.)	204976 Sq. M.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	1304000000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Celecoxib	5.7	0.0	5.7
2	Fluticasone Propionate	0.11	0.0	0.11
3	Meloxicam	0.95	0.0	0.95
4	Beclomethasone Dipropionate	0.04	0.0	0.04
5	Mometasone Furate	0.06	0.0	0.06
6	Budesonide	0.08	0.0	0.08
7	Loteprednol Etabonate	0.04	0.0	0.04
8	Famciclovir	0.28	0.0	0.28
9	Lamivudine	0.71	0.0	0.71
10	Fluconazole	1.44	0.0	1.44
11	Pioglitazone Hydrochloride	0.06	0.0	0.06
12	Nateglinide	0.09	0.0	0.09
13	Citalopram Hydrobromide	0.3	0.0	0.3
14	Sertraline Hydrochloride	0.18	0.0	0.18

15	Olanzapine	0.033	0.0	0.033
16	Aripiprazole	0.08	0.0	0.08
17	Carvedilol	0.42	0.0	0.42
18	Losartan Potassium	0.132	0.0	0.132
19	Ramipril	0.17	0.0	0.17
20	Salbutamol Sulphate	0.59	0.0	0.59
21	Formoterol Fumarate Dihydrate	0.009	0.0	0.009
22	Ondansetron Hydrochloride Dihydrate	0.54	0.0	0.54
23	Pamidronate Disodium Pentahydrate	0.04	0.0	0.04
24	Alendronate Sodium Trihydrate	0.96	0.0	0.96
25	Pramipexole Dihydrochloride Monohydrate	0.04	0.0	0.04
26	Zolpidem Tartrate	0.30	0.0	0.30
27	Rizatriptan Benzoate	0.03	0.0	0.03
28	Ciclesonide	0.0	0.0375	0.0375
29	Oseltamivir phosphate	0.0	0.4131	0.4131
30	Valsartan	0.0	0.5520	0.5520
31	Tiotropium Bromide Monohydrate BP/PH EUR	0.0	0.0060	0.0060
32	Valganciclovir hydrochloride	0.0	0.2400	0.2400
33	Arformoterol Tartarate	0.0	0.0002	0.0002
34	Ondansetron Base	0.0	0.1926	0.1926
35	Zoledronic Acid	0.0	0.003	0.003
36	Ibandronate Sodium Monohydrate	0.0	0.010	0.010
37	Atazanavir Sulphate	0.0	0.2	0.2
38	Risedronate Sodium Hemipentahydrate USP	0.0	0.20	0.20
39	Cinacalcet hydrochloride	0.0	1.20	1.20
40	Entecavir monohydrate	0.0	0.004	0.004
41	Dabigatran etexilate mesylate	0.0	0.107	0.107
42	Raloxifene Hydrochloride	0.0	0.7400	0.7400
43	Indacaterol maleate	0.0	0.0060	0.0060
44	Selexipag	0.0	0.0003	0.0003
45	Eluxadoline	0.0	0.0006	0.0006
46	Bictegravir	0.0	0.0060	0.0060
47	Bethanechol Chloride	0.0	0.388	0.388

48	Sacubitril	0.0	1.3	1.3
49	Mebendazole	0.0	0.4200	0.4200
50	Alosetron Hydrochloride	0.0	0.005	0.005
51	Albendazole	0.0	0.2700	0.2700
52	Vanlafaxine	0.0	2.0000	2.0000
53	Ibrutinib	0.0	0.0020	0.0020
54	Sorafenib Tosylate III	0.0	0.0040	0.0040
55	Palbociclib	0.0	0.0014	0.0014
56	Everolimus Premix	0.0	0.0010	0.0010
57	Osimertinib Mesylate	0.0	0.0003	0.0003
58	Lenvatinib Mesylate	0.0	0.00002	0.00002
59	Pomalidomide	0.0	0.0003	0.0003
60	Pazopanib HCl	0.0	0.0050	0.0050
61	Axitinib	0.0	0.0050	0.0050
62	Abiraterone Acetate	0.0	0.0050	0.0050
63	Dasatinib	0.0	0.0027	0.0027
64	Carfilzomib	0.0	0.0003	0.0003
65	Estramustine	0.0	0.1663	0.1663
66	Everolimus	0.0	0.0010	0.0010
67	Exemestane Stage-I	0.0	0.0173	0.0173
68	Nilotinib Hydrochloride	0.0	0.0028	0.0028
69	Pemetrexed hepta hydrate	0.0	0.0020	0.0020
70	Regorafenib	0.0	0.0018	0.0018
71	Ruxolitinib phosphate	0.0	0.0020	0.0020
72	Tegafur	0.0	0.0020	0.0020
73	Vinblastine sulphate	0.0	0.0020	0.0020
74	Vincristine Sulfate	0.0	0.002	0.002
75	Etoposide	0.0	0.002	0.002
76	Capecitabine	0.0	0.002	0.002
77	Cisplatin	0.0	0.001	0.001
78	Carboplatin	0.0	0.002	0.002
79	Oxaliplatin	0.0	0.002	0.002
80	R & D Product	0.0	0.2	0.2
81	Tablets as approved by FDA	2000 Million Nos./Year	0.0	2000 Million Nos./Year
82	Capsules as approved by FDA	170 Million Nos./Year	0.0	170 Million Nos./Year
83	Soft Gelatin products as approved by FDA	21.2 Million Nos./Year	0.0	21.2 Million Nos./Year
84	Suppositories and Oral Paste as approved by FDA	12 Million Nos./Year	0.0	12 Million Nos./Year
85	Sachets as approved by FDA	85 Lakhs Nos./Year	0.0	85 Lakhs Nos./Year

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Water Supply Scheme
	Fresh water (CMD):	788
	Recycled water - Flushing (CMD):	320 - In process (Not for flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1108
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC Water Supply Scheme
	Fresh water (CMD):	788
	Recycled water - Flushing (CMD):	320 - In process (Not for flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1108
	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	84	0.0	84	6	0.0	6	78	0.0	78
Industrial Process	118	56	174	0.0	0.0	0.0	148	95	243
Gardening	30	30	60	0.0	0.0	0.0	0.0	0.0	0.0

Cooling tower & thermopack	415	375	790	373.5	337.5	711	41.5	37.5	79

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	The details of rainwater harvesting will be incorporated in EIA report.
	Size and no of RWH tank(s) and Quantity:	The details of rainwater harvesting will be incorporated in EIA report.
	Location of the RWH tank(s):	The details of rainwater harvesting will be incorporated in EIA report.
	Quantity of recharge pits:	The details of rainwater harvesting will be incorporated in EIA report.
	Size of recharge pits :	The details of rainwater harvesting will be incorporated in EIA report.
	Budgetary allocation (Capital cost) :	The details of rainwater harvesting will be incorporated in EIA report.
	Budgetary allocation (O & M cost) :	The details of rainwater harvesting will be incorporated in EIA report.
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	The details of storm water drainage will be incorporated in EIA report.
	Quantity of storm water:	The details of storm water drainage will be incorporated in EIA report.
	Size of SWD:	The details of storm water drainage will be incorporated in EIA report.
Sewage and Waste water	**Sewage generation in KLD:**	78
	STP technology:	There is no provision of STP at site. The domestic sewage is treated in existing ETP. The same process of treatment will be followed under expansion activity.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	No major construction would be done since most of infrastructure would be used from existing unit. Only few equipments & machineries as required for expansion activities will be installed.
Waste generation in the operation Phase:	**Dry waste:**	(1) Plastic Scrap, Glass scrap, wooden scrap, metal scrap and (2) Ash
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sale to authorized party, Sold to brick / land
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Unit-I, MIDC Kurkumbh, Plot No. D-7 & D-8, Tal.: Daund, Dist.: Pune, Maharashtra
	Area for the storage of waste & other material:	The storage details of waste will be incorporated in EIA report.
	Area for machinery:	The storage details of waste will be incorporated in EIA report.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	The storage details of waste will be incorporated in EIA report.
	O & M cost:	The storage details of waste will be incorporated in EIA report.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	BOD	mg/lit	1992	2	30
2	COD	mg/lit	5432	18	250
3	TDS	mg/lit	1110	85	2100
4	pH	--	6.5	6.8	5.5-9.0

Amount of effluent generation (CMD):	400
Capacity of the ETP:	400 CMD
Amount of treated effluent recycled :	320 CMD
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Effluent generated from existing manufacturing & utility operations is segregated into two streams – E-1 Stream (Low TDS and Low COD Effluent) and E-2 Stream (High TDS and High COD Effluent). E-1 Stream is treated in existing ETP comprising of Primary, Secondary & Tertiary treatment unit operations whereas E-2 Stream is treated in Multiple Effect Evaporator (MEE) followed by Vertical Thin Film Dryer (VTFD). MEE and VTFD condensate is forwarded to CSTR and CSTR outlet goes to E1 treatment thereby
Disposal of the ETP sludge	ETP sludge is forwarded to CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used /spent oil	Cat.:5.1	Lit./M	400	200	600	Sale to authorized re-processor
2	Discarded Containers barrels/liners	Cat.: 33.1	Nos./M	400	200	600	Sale to authorized party
3	Chemical sludge from waste water treatment	Cat.: 35.3	MT/M	1.5	18.5	20	CHWTSDF
4	Sludge from wet scrubber	Cat.: 37.1	MT/M	5	3	8	CHWTSDF

5	Sludge from MEE	Cat.:35.4	MT/M	30	20	50	CHWTSDF
6	Spent solvents	Cat.: 28.6	KL/M	150	200	350	Sale to authorized re-processor
7	Spent Catalyst/spent carbon	Cat.: 28.3	Kg/M	500	300	800	CHWTSDF
8	Date-expired, discarded and off-specification drugs	Cat.: 28.5	MT/M	5	3	8	CHWTSDF
9	Spent Organic solvents	Cat.: 28.6	KL/M	5	3	8	Sale to authorized re-processor
10	Spent Mother Liquor	Cat.: 28.1	M3/dilution with water/M	750	400	1150	MEE

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	Boilers (3 TPH -2 Nos.)	Furnace oil-4.5 KL/D	1 (Common)	30	0.63	NA
2	Boiler (8TPH)	Biomass Briquette /Coal - 34 MT/D / 28.8 MT/D	1	30	0.63	NA
3	Thermopack (2 Lack Kcal/Hr)	HSD-5 KL/M	1	30	0.63	NA
4	D.G.Set (1250 KVA)	HSD-24 KL/M	1	7.5	--	NA
5	D.G.Set (1500 KVA)	HSD-24 KL/M	1	14.71	--	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace Oil	4.5 KL/D	0.00	4.5 KL/D
2	Biomass Briquette /Coal	34 MT/D / 28.8 MT/D	0.00	34 MT/D / 28.8 MT/D
3	HSD (Thermopack)	5 KL/M	0.00	5 KL/M
4	HSD (D.G. Set)	24 KL/M	0.00	24 KL/M
41.Source of Fuel		Indian Oil Corporation Ltd.		
42.Mode of Transportation of fuel to site		Tankers by Road		

43.Green Belt Development	**Total RG area :**	Existing Green Belt Area in MIDC plot –54,633.2 Sq. M. (27 % of total plot)
	No of trees to be cut :	NA
	Number of trees to be planted :	Proposed Green Belt Area – 12298.6 Sq.M. (6% of total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.
	List of proposed native trees :	Proposed Green Belt Area – 12298.6 Sq.M. (6% of total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.
	Timeline for completion of plantation :	The detail plan of green belt development and implementation will be incorporated 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	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated 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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd.
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	The average electricity required for existing operations is to the tune of 90,000 KW Hr./Day & that for expansion activity is 9000 KW Hr./Day.
	During Operation phase (Demand load):	The average electricity required for existing operations is to the tune of 90,000 KW Hr./Day & that for expansion activity is 9000 KW Hr./Day.
	Transformer:	NA
	DG set as Power back-up during operation phase:	Existing two D.G. Sets of 1250 KVA and 1500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
8 TPH Boiler	Cyclone Separator and Bag Filter	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	The Capital Cost will be incorporated in EIA report.
	O & M cost:	O&M Cost will be incorporated 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	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	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated 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
Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The details of traffic management plan will be incorporated at the time of EIA report submission

Parking details:	**Number and area of basement:**	The details of traffic management plan will be incorporated at the time of EIA report submission
	Number and area of podia:	NA
	Total Parking area:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Area per car:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Area per car:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Number of 2-Wheelers as approved by competent authority:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Number of 4-Wheelers as approved by competent authority:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Public Transport:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Width of all Internal roads (m):	The details of traffic management plan will be incorporated at the time of EIA report submission
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category (B) , Item No.5 (f) as per the provision of "EIA Notification No. S. O. 1533 (E)" dated 14.09.2006 and amendments thereat.
	Court cases pending if any	No any court case is pending.
	Other Relevant Informations	Application in the prescribed online format of 'FORM 1' along with the requisite documents is submitted herewith for grant of ToRs. The monitoring will be conducted and thereafter the EIA report will be submitted for
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

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

PP to submit certified copy of compliance of earlier EC No.J-11011/48/2005-IA (I) dated 05.04.2006 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017.

DECISION OF SEAC

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

PP to submit prefeasibility report for the proposed expansion.

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt within the premises, rain water harvesting etc.
3) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
4) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
5) PP to carry out HAZOP and QRA and submit report. PP also to carry out risk assessment with respect to the exposure to the oncological products considering the potency of drugs, exposure limits and design of isolators etc.
6) PP to submit hazardous chemical handling protocol
7) PP to submit drawings, cross sectional drawings of the manufacturing units, equipment layout plan along with report on adequacy of the existing space for the expansion activities.
8) PP to include highlights of chemistry involved in the process in the EIA report.
9) PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.
10) PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.
11) PP to use solar power for administrative building and street lights.
12) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
13) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.
14) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.
15) PP to submit an undertaking for not violating any requirements of EIA Notification, 2006.
16) PP to submit copy of Structural Stability Certificate for the structures exists on the site.

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.

151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for Proposed expansion and modernization project of Existing Bulk Drugs and Intermediates manufacturing unit.(Increased by 70 MT/Annum)-Application for grant of ToRs.

Is a Violation Case: No

1.Name of Project	M/s. CIPLA LIMITED (Unit-III)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanjay Berad (Director)
4.Name of Consultant	Equinox Environments (India) Private Limited
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed expansion and modernization project of Existing Bulk Drugs and Intermediates manufacturing unit.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance from MoEF, New Delhi Dated 13.10.2005.
8.Location of the project	Unit-III, Plot No.-D-22, MIDC kurkumbh, Taluka: Daund, District: Pune, State: Maharashtra.
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	M/s. CIPLA LIMITED (Unit-III)
Room Number:	Plot No.-D-22
Floor:	-
Building Name:	-
Road/Street Name:	MIDC kurkumbh
Locality:	Kurkumbh, Dauund
City:	Pune
11.Area of the project	Notified Industrial Area-MIDC kurkumbh
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 24435
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Existing Unit Of CIPLA Ltd. is located in notified Industrial Area i.e. MIDC kurkumbh
15.Total Plot Area (sq. m.)	59115 m2
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 0.0
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	296300000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Nevrapine/ Nevrapine Hemihydrate	1.89	0.0	1.89
2	Ziduvudine	0.49	0.0	0.49
3	Lamivudine	0.85	0.0	0.85
4	Terbinafine Hydrochloride	2.00	0.0	2.00
5	Cyproterone Acetate	0.27	0.0	0.27
6	Fexofenadine Hydrochloride	0.86	0.0	0.86
7	Deferiprone	1.56	0.0	1.56
8	Escitalopram Oxalate	0.18	0.0	0.18
9	Citalopram Hydrobromide	3.10	0.0	3.10
10	Rosiglitasone Maleate	0.65	0.0	0.65
11	Estramustine Sodium Phosphate	0.67	0.0	0.67
12	Abacavir Sulfate	0.0	2.00	2.00
13	Dolutegravir Sodium	0.0	2.00	2.00

14	Tenofovir Disoproxil Fumarate	0.0	11.67	11.67
15	Tenofovir Alafenamide Fumarate	0.0	1.00	1.00
16	Emtricitabine	0.0	0.42	0.42
17	Oseltamivir Phosphate	0.0	0.50	0.50
18	Valacyclovir Hydrochloride	0.0	0.25	0.25
19	Deferasirox	0.0	0.50	0.50
20	Exemestane	0.0	0.03	0.03
21	Dapagliflozin	0.0	0.04	0.04
22	Sitagliptine Phosphate	0.0	0.04	0.04
23	Empagliflozin	0.0	0.04	0.04
24	Levonorgestrel	0.0	0.00042	0.00042
25	Danazol	0.0	0.17	0.17
26	Ondesetron Base/HCL	0.0	0.25	0.25
27	Bictegravir	0.0	0.02	0.02
28	Eluxadoline	0.0	0.02	0.02
29	Formaterol Fumarate	0.0	0.25	0.25
30	Pramiprexole Dihydrochloride	0.0	0.25	0.25
31	R & d Product	0.0	0.20	0.20

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Water Supply Scheme
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	128- In Process (Not for Flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	258
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

Wet season:	**Source of water**	MIDC Water Supply Scheme
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	128- In Process (Not for Flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	258
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	35	5	40	1	1	2	34	4	38
Industrial Process	67	21	88	0.0	0.0	0.0	45	49.5	94.5
Gardening	20	10	30	0.0	0.0	0.0	0.0	0.0	0.0
Cooling tower & thermopack	78	22	100	70.5	21.5	92	7.5	0.5	8

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	The details of RWH will be incorporated at the time of EIA Report Submission.
	Size and no of RWH tank(s) and Quantity:	The details of RWH will be incorporated at the time of EIA Report Submission.
	Location of the RWH tank(s):	The details of RWH will be incorporated at the time of EIA Report Submission.
	Quantity of recharge pits:	The details of RWH will be incorporated at the time of EIA Report Submission.
	Size of recharge pits :	The details of RWH will be incorporated at the time of EIA Report Submission.
	Budgetary allocation (Capital cost) :	The details of RWH will be incorporated at the time of EIA Report Submission.
	Budgetary allocation (O & M cost) :	The details of RWH will be incorporated at the time of EIA Report Submission.
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	The Storm water details will be incorporated at the time of EIA Report Submission.
	Quantity of storm water:	The Storm water details will be incorporated at the time of EIA Report Submission.
	Size of SWD:	The Storm water details will be incorporated at the time of EIA Report Submission.
Sewage and Waste water	**Sewage generation in KLD:**	38 KLD
	STP technology:	There is no provision of STP on site . The Domestic sewage is treated in existing ETP and same would be followed under expansion.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	No major construction would be done since most of infrastructure would be used from existing unit. In existing premises, only few equipments and machineries as required for proposed expansion unit would be installed.
Waste generation in the operation Phase:	**Dry waste:**	Plastic, Glass, Ferrous, Wooden, Metal Scrap,Discarded containers, drums, carboys etc.
	Wet waste:	NA
	Hazardous waste:	Battery Waste,E-Waste
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Sale to Authorized Party
	Wet waste:	NA
	Hazardous waste:	Sale to Authorized Party
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Unit-III, Plot No.- D-22, MIDC Kurkumbh, Taluka:- Daund, District:- Pune, State:- Maharashtra.
	Area for the storage of waste & other material:	The Storage details will be incorporated at the time of EIA Report Submission.
	Area for machinery:	The Storage details will be incorporated at the time of EIA Report Submission.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	The Storage details will be incorporated at the time of EIA Report Submission.
	O & M cost:	The Storage details will be incorporated at the time of EIA Report Submission.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	BOD	mg/lit	658	2	30
2	COD	mg/lit	2032	16	250
3	TDS	mg/lit	2278	374	2100
4	pH	--	8.65	7.65	5.5-9.0

Amount of effluent generation (CMD):	140.50
Capacity of the ETP:	150
Amount of treated effluent recycled :	128
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Effluent from existing mfg & utility operations is segregated into 2 streams – E-1&E-2. E-1 is treated in existing ETP & E-2 is treated in MEE & VTFD. Solid from VTFD send to CHWTSDF for disposal & condensate is treated through E1. Achieves ZLD. Solids are forwarded to CHWTSDF, Ranjangaon, Pune Domestic wastewater is treated in existing ETP.
Disposal of the ETP sludge	ETP Sludge is forwarded to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent Oil	Cat.:- 5.1	lit/Month	300	100	400	Sale to authorized party
2	Spent Solvents	Cat.:- 28.6	Klit/Month	125	275	400	Sale to authorized party
3	Spent Catalyst/Spent Carbon	Cat.:- 28.3	MT/Month	7.5	0.0	7.5	Sale to authorized party/ CHWTSDF
4	Date expired, discarded & off-specification drugs/medicines/chemicals	Cat.:- 28.5	kg/Month	50	50	100	CHWTSDF
5	Spent Mother Liquor	Cat.:- 28.1	m3 /Month	600	300	900	Final residue to CHWTSDF
6	Spent Organic Solvents	Cat.:- 28.6	Klit/Month	25	5	30	Sale to authorized party
7	Discarded container, barrels/liners used for hazardous waste/chemicals	Cat.:- 33.1	Nos./Month	100	100	200	Sale to authorized Party
8	Chemical sludge, Oil & Grease skimming residues from Industrial effluent	Cat.:- 35.3	MT/Month	5.25	4.0	9.25	CHWTSDF
9	Sludge from wet scrubber	Cat.:- 37.1	kg/Month	15	5	20	CHWTSDF
10	Sludge from MEE system	Cat.:- 35.4	MT/Month	45	25	70	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	Thermopack -2 Lac kcal/hr, 2 Nos.	HSD	1	30	0.3	99
2	Boiler-2000 kg/hr, 2 Nos.	FO	1	33	0.35	165
3	DG Set, 500,750,750 KVA, 3 Nos.	HSD	3	4.6,3.6,5.6 Above Roof	0.41,0.41,0.75	160
4	Process Scrubber Vent-5 lit. or kg/hr , 8 Nos.	NA	8	4.0 Above Flooring	0.3	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD (Thermopack)	48 kg/hr	0.0	48 kg/hr
2	Furnace Oil	240 kg/hr	0.0	240 kg/hr
3	HSD (DG Set)	248 kg/hr	0.0	248 kg/hr
41.Source of Fuel		Indian Oil Corporation Ltd.		
42.Mode of Transportation of fuel to site		Through Trucks by road.		

43.Green Belt Development	**Total RG area :**	Existing Green Belt Area - 8201 m2. (13.87 % of Total Plot Area)
	No of trees to be cut :	NA
	Number of trees to be planted :	Proposed Green Belt Area- 11307 m2 . (19 % of Total Plot Area) . The list of trees to be planted under expansion will be incorporated in EIA Report
	List of proposed native trees :	Proposed Green Belt Area- 11307 m2 . (19 % of Total Plot Area) . The list of trees to be planted under expansion will be incorporated in EIA Report
	Timeline for completion of plantation :	The detail plan of green belt development and implementation 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	The list of trees to be planted under expansion will be incorporated in EIA Report	The list of trees to be planted under expansion will be incorporated in EIA Report	The list of trees to be planted under expansion will be incorporated in EIA Report	The list of trees to be planted under expansion will be incorporated 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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	The average electricity required for existing operations is to the tune of 27000 KW Hr/Day and that for expansion activity is 3000 KW Hr/Day.
	During Operation phase (Demand load):	The average electricity required for existing operations is to the tune of 27000 KW Hr/Day and that for expansion activity is 3000 KW Hr/Day.
	Transformer:	NA
	DG set as Power back-up during operation phase:	500,750 and 750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	The capital cost will be incorporated in EIA Report
	O & M cost:	The O & M cost will be incorporated 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	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	Boiler	43	For all component the O & M Cost would be 450 Lacs/year
2	Water Pollution Control	Effluent Treatment Plant	400	As Above mentioned
3	Noise Pollution Control	Noise Level Management	16	As Above mentioned

4	Environmental Monitoring & Management	Environmental Monitoring & Management	2	As Above mentioned
5	Occupational Health Safety	Occupational Health Safety	1	As Above mentioned
6	Green Belt Development	Green Belt Development	2	As Above mentioned
7	MEE & VTFD	MEE & VTFD	186	As Above mentioned

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
The Storage details will be incorporated at the time of EIA Report Submission.	The Storage details will be incorporated at the time of EIA Report Submission.	The Storage details will be incorporated at the time of EIA Report Submission.	The Storage details will be incorporated at the time of EIA Report Submission.	The Storage details will be incorporated at the time of EIA Report Submission.	The Storage details will be incorporated at the time of EIA Report Submission.	The Storage details will be incorporated at the time of EIA Report Submission.	The Storage details will be incorporated at the time of EIA Report Submission.

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
Parking details:	**Number and area of basement:**	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
	Number and area of podia:	NA
	Total Parking area:	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
	Area per car:	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
	Area per car:	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
	Number of 2-Wheelers as approved by competent authority:	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
	Number of 4-Wheelers as approved by competent authority:	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
	Public Transport:	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission
	Width of all Internal roads (m):	The details of Traffic Management plan will be incorporated at the time if EIA Repot submission

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category
	Court cases pending if any	NA
	Other Relevant Informations	Application in the prescribed online format of 'FORM 1' along with the requisite documents is submitted herewith for grant ToRs. The monitoring will be conducted and thereafter the EIA Report will be prepared and submitted for grant of Environmental Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

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

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

PP to submit certified copy of compliance of earlier EC No.J-11011/48/2005-IA (I) dated 05.04.2006 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017.

DECISION OF SEAC

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

PP to submit prefeasibility report for the proposed expansion.

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc.
3) PP to submit copy of Structural Stability Certificate of the structures exists on the site.
4) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site PP to submit an undertaking for not violating any requirements of EIA Notification, 2006.
5) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
6) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
7) PP to carry out HAZOP and Risk Assessment study and submit Disaster Management Plan.
8) PP to submit hazardous chemical handling protocol.
9) PP to submit drawings, cross sectional drawings of the manufacturing units, equipment layout plan along with report on adequacy of the existing space for the expansion activities.
10) PP to include highlights of chemistry involved in the process in the EIA report.
11) PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.
12) PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.
13) PP to use solar power of administrative building and street lights.
14) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
15) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

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.

151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for M/s. Mehta Anti-Biotics Private Limited, Plot No. D-7/2/2, MIDC Tarapur, District Palghar, Maharashtra

Is a Violation Case: No

1.Name of Project	New project of Manufacturing of active pharmaceutical ingredients (API) by M/s. Mehta Anti-Biotics Private Limited at Plot No. D-7/2/2, MIDC Tarapur, District Palghar, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Mehta Anti-Biotics Private Limited
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial – Manufacturing of API
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. D-7/2/2, MIDC Tarapur, Maharashtra
9.Taluka	Palghar
10.Village	Salwad
Correspondence Name:	Mr. Chetan Mehta
Room Number:	314
Floor:	Not Applicable
Building Name:	Janki centre
Road/Street Name:	20 Shah Industrial Estate
Locality:	Off Veera Desai Road
City:	Andheri (W), 400053
11.Area of the project	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 6450
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.)	6450.00 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).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.): 6450
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
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	200000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	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	AMOXAPINE	Not Applicable	05.00 (MT/Y)	05.00 (MT/Y)
2	AZITHROMYCIN DIHYDRATE	Not Applicable	50.00 (MT/Y)	50.00 (MT/Y)
3	AZITHROMYCIN	Not Applicable	80.00 (MT/Y)	80.00 (MT/Y)
4	CALAMINE	Not Applicable	40.00 (MT/Y)	40.00 (MT/Y)
5	CHLORHEXIDINE GLUCONATE	Not Applicable	30.00 (MT/Y)	30.00 (MT/Y)
6	CHLORAMPHENICOL	Not Applicable	50.00 (MT/Y)	50.00 (MT/Y)
7	CLARITHROMYCIN	Not Applicable	15.00 (MT/Y)	15.00 (MT/Y)
8	CHLORAMPHENICOL PALMITATE	Not Applicable	50.00 (MT/Y)	50.00 (MT/Y)
9	ERYTHROMYCIN BASE	Not Applicable	50.00 (MT/Y)	50.00 (MT/Y)
10	ERYTHROMYCINE ETHYL SUCCINATE	Not Applicable	20.00 (MT/Y)	20.00 (MT/Y)
11	ERYTHROMYCIN ESTOLATE	Not Applicable	30.00 (MT/Y)	30.00 (MT/Y)
12	ERYTHROMYCIN OXIME	Not Applicable	40.00 (MT/Y)	40.00 (MT/Y)

13	ERYTHROMYCIN STEARATE	Not Applicable	100.00 (MT/Y)	100.00 (MT/Y)
14	GRANISETRON HYDROCHLORIDE	Not Applicable	01.00 (MT/Y)	01.00 (MT/Y)
15	MELATONIN	Not Applicable	05.00 (MT/Y)	05.00 (MT/Y)
16	MALEIC ACID	Not Applicable	50.00 (MT/Y)	50.00 (MT/Y)
17	PROCHLORPERAZINE MALEATE	Not Applicable	03.00 (MT/Y)	03.00 (MT/Y)
18	PROCHLORPERAZINE MESYLATE	Not Applicable	03.00 (MT/Y)	03.00 (MT/Y)
19	PROMETHAZINE TEOCLATE	Not Applicable	02.00 (MT/Y)	02.00 (MT/Y)
20	TOBRAMYCIN SULPHATE	Not Applicable	05.00 (MT/Y)	05.00 (MT/Y)
21	TOLFENAMIC ACID	Not Applicable	10.00 (MT/Y)	10.00 (MT/Y)
22	BAZEDOXIFENE ACETATE	Not Applicable	0.432 (MT/Y)	0.432 (MT/Y)
23	Total	Not Applicable	639.432 (MT/Y)	639.432 (MT/Y)

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	Not Applicable	03	03	Not Applicable	0.5	0.5	Not Applicable	2.5	2.5
Industrial Process	Not Applicable	16	16	Not Applicable	+ 5.3	+ 5.3	Not Applicable	21.3	21.3
Cooling tower & thermopack	Not Applicable	74	74	Not Applicable	58 (6 Steam Condensate recycle)	58 (6 Steam Condensate recycle)	Not Applicable	10	10
Gardening	Not Applicable	10	10	Not Applicable	10	10	Not Applicable	Not Applicable	Not Applicable
Fresh water requirement	Not Applicable	103	103	Not Applicable	69.2	69.2	Not Applicable	33.8	33.8

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 to 10 m
	Size and no of RWH tank(s) and Quantity:	1 tank of 30 m3
	Location of the RWH tank(s):	Near utility area
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected rain water will be reused.
	Budgetary allocation (Capital cost) :	6 lac.
	Budgetary allocation (O & M cost) :	Rs. 1.20 lac./ annum
	Details of UGT tanks if any :	1 rainwater harvesting tank of 30 m3
35.Storm water drainage	**Natural water drainage pattern:**	Proposed within plot
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	2.5
	STP technology:	Combined treatment in Effluent Treatment Plant with Industrial waste water
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris
	Disposal of the construction waste debris:	Excavated soil will be used for land filling.
Waste generation in the operation Phase:	**Dry waste:**	• Discarded drums and containers = 800 nos/month sold to authorized dealers • Boiler Ash about 6.75 TPM • Polyethylene Bags = 1 TPA • Paper Bag = 0.5 TPA • Light density polyethylene bag = 0.5 TPA
	Wet waste:	• MEE Solids = 140.688 TPA • Spent Carbon from ETP = 17.69 TPA • Chemical Sludge from ETP =17.16 TPA • Carbon from process = 0.15 TPA • Waste from process (Chloro theophylline) = 0.06 TPA
	Hazardous waste:	• MEE Solids = 140.688 TPA • Spent Carbon from ETP = 17.69 TPA • Chemical Sludge from ETP =17.16 TPA • Carbon from process = 0.15 TPA • Waste from process (Chloro theophylline) = 0.06 TPA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse
	Wet waste:	CHWTSDF
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Plant Area, Raw material storage area, Finished Goods storage, Office Building, Utility area, Parking area, Hazardous waste storage, Open space & internal roads, ETP, MEE & RO, Green belt area
	Area for the storage of waste & other material:	657 m2
	Area for machinery:	570 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in capital cost
	O & M cost:	Rs. 30.0 lacs./year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	A) Multi Effect Evaporator (MEE):	-	-	-	-
2	Parameters	Unit	Reject from RO	Inlet to MEE	Outlet from MEE
3	Flow	m3/day	13.1	14.3	32.9 (14.3+13.1+5.5)
4	pH	--	6 - 7	6 - 7	6 - 7
5	BOD3, 27°C	mg/L	80 - 100	40000 - 65000	80-100
6	COD	mg/L	600 - 700	100000 - 150000	200-250
7	TSS	mg/L	<100	<100	< 100
8	TDS	mg/L	7500 - 8000	10000 - 20000	< 100
9	--	--	--	--	--
10	B) Effluent Treatment Plant (ETP):	--	--	--	--
11	Parameters	Inlet to primary treatment	Inlet to secondary treatment	Inlet to tertiary treatment	Outlet from tertiary treatment
12	Flow (m3/day)	49.9 (32.9 + 17.0 Utility blowdown)	52.4 (49.9 + 2.5 Domestic)	52.4	52.4
13	pH	6-7	6-7	6-7	6-7
14	BOD3, 27°C (mg/l)	3200 - 3700	3000 - 3500	80 - 100	< 100
15	COD (mg/l)	77000 - 8000	7000 - 7500	300 - 350	< 250
16	TSS (mg/l)	50 - 100	50-100	50-100	< 100
17	TDS (mg/l)	1500 - 2000	1500 - 2000	1500 - 2000	1500 - 2000
18	-	--	--	--	--

19	C) Reverse Osmosis (RO):	--	--	--	--
20	Parameters	Unit	Inlet to RO	Permeate	Reject
21	Flow	m3/day	52.4	39.3	13.1
22	pH	--	7-8	7-8	7-8
23	COD	mg/L	< 250	< 100	600 - 700
24	TDS	mg/L	1500 - 2000	< 100	7500 - 8000

Amount of effluent generation (CMD):	33.8 CMD
Capacity of the ETP:	63.0 CMD
Amount of treated effluent recycled :	45.3 CMD
Amount of water send to the CETP:	Not Applicable as this unit will be run as Zero Liquid Discharge (ZLD) Unit
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	High COD & TDS stream from process will be treated by Multi Effect Evaporator (MEE). Treated effluent from MEE will be mixed with utility blowdown. Domestic wastewater will also be treated in secondary as a combined treatment. Treated effluent will be fed to RO. Permeate will be reused and reject will be fed to MEE. Thus unit will be run as ZLD unit.
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from ETP	35.3	T/A	Not Applicable	17.16	17.16	CHWTSDF
2	MEE solids	35.3	T/A	Not Applicable	140.688	140.688	CHWTSDF
3	Spent Carbon from ETP	36.2	T/A	Not Applicable	17.69	17.69	CHWTSDF
4	Carbon from process	28.3	T/A	Not Applicable	0.15	0.15	CHWTSDF
5	Waste from process (Chloro theophylline)	28.1	T/A	Not Applicable	0.06	0.06	CHWTSDF
6	Discarded drums and containers	33.1	Nos./m	Not Applicable	800.0	800.0	MPCB authorized party for reuse
7	Polyethylene Bags	33.1	T/A	Not Applicable	1	1	Sale to authorized party
8	Non-Hazardous Waste	--	--	--	--	--	--
9	Boiler ash	--	T/M	Not Applicable	6.75	6.75	Send to brick manufacturer
10	Paper Bag	--	T/A	Not Applicable	0.5	0.5	Sale to authorized party
11	Light density polyethylene bag	--	T/A	Not Applicable	0.5	0.5	Sale to authorized party
12	E-waste	--	--	--	--	--	--
13	Battery / e waste	--	T/A	Not Applicable	0.1	0.1	sale to recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (0.8 TPH – 2 nos.)	Briquette 4.5 T/D or Furnace Oil 1.0T/D	01 Common	30 m.	1.2 m	1350C
2	D G Sets (250 KVA & 500 KVA)	HSD, 160 lit./hr.	01 Common	6.5 m.	0.15 m.	1400C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	Not Applicable	4.5 T/D	4.5 T/D
2	Furnace Oil	Not Applicable	1.0 T/D	1.0 T/D
3	HSD	Not Applicable	160 lit./hr.	160 lit./hr.
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	2130.00 m2
	No of trees to be cut :	Trees are not available at project side
	Number of trees to be planted :	350.00 nos.
	List of proposed native trees :	Terminaliaarjuna (Arjun), Bauhinia racemosa(Apta), Ficusbenghalensis(Vad), Ficusreligiosa(Pimpal), Polyalthialongifolia(Ashok), Azadirachtaindica(Kaduneem), Cassia fistula (Bahava), Neolamarckiacadamba(Kadamb), Teminaliatomentosa(Ain), Lagerstroemia speciosa(Taman), Bougainvillea spectabilis(Bouganvel), Lantana camara(Ghaneri), Calatropisgigentia(Rui), Hibiscus rosasinensis(Jaswand), Neriumindicum(Kanher)
	Timeline for completion of plantation :	5 Years.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjun	25	Pollution resistant and Native
2	Bauhinia racemosa	Apta	20	Pollution resistant and Native
3	Ficus benghalensis	Vad	20	Pollution resistant and Native
4	Ficus religiosa	Pimpal	30	Pollution resistant and Native
5	Polyalthia longifolia	Ashok	20	Pollution resistant and Native
6	Azadirachta indica	Kaduneem	25	Pollution resistant and Native
7	Cassia fistula	Bahava	20	Pollution resistant and Native
8	Neolamarckia cadamba	Kadamb	25	Pollution resistant and Native
9	Teminalia tomentosa	Ain	25	Pollution resistant and Native
10	Lagerstroemia speciosa	Taman	30	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	25	Pollution resistant and Native

12	Lantana camara	Ghaneri	20	Pollution resistant and Native
13	Calatropis gigentia	Rui	25	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	20	Pollution resistant and Native
15	Nerium indicum	Kanher	20	Pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	1000 KVA
	During Operation phase (Demand load):	950 KVA
	Transformer:	1000 KVA
	DG set as Power back-up during operation phase:	500 KVA (1 no.) & 250 KVA (1 no.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension line is passing through the plot

48.Energy saving by non-conventional method:

NIL

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	Not Applicable	Stack of adequate height, multiple cyclone separators
Water	Not Applicable	MEE, ETP & RO
Noise	Not Applicable	Acoustic enclosure for DG set
Solid Waste	Not Applicable	Disposal to CHWTSDF

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	Dust	Air Pollution	1.0
2	Debris	Solid Waste	1.0
3	Construction motor	Noise Pollution	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Provision of stacks of height as per CPCB, multiple cyclone separators	20.0	1.2
2	Water pollution control	MEE, ETP & RO operation cost, Rain water harvesting	200.00	136.00
3	Noise pollution Control	Acoustic enclosure/Anti vibration pads	Already included in capital cost of project	Already included in capital cost of project
4	Environment Monitoring budget	Environment Monitoring	--	36.00
5	Occupational health care	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities consumables, Control of fugitive emissions	5.0	1.0
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	45.0	30.0
7	Green belt	Development & Maintenance	3.0	1.2
8	Total	--	273.0	205.4

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	liquid	Near ETP area	10.0	10.0	15166	Local	Road
Acetone	liquid	Near ETP area	10.0	10.0	10833	Local	Road
Methylene di chloride	liquid	Near ETP area	10.0	10.0	10000	Local	Road
Isopropyl alcohol	liquid	Near ETP area	10.0	5.0	14583	Local	Road

Ethyl acetate	liquid	Near ETP area	10.0	2.0	1666	Local	Road
Triethyl amine	liquid	Near ETP area	0.2	0.4	700	Local	Road
Propionic anhydride	liquid	Near ETP area	0.2	0.5	650	Local	Road
Formaldehyde	liquid	Near ETP area	0.05	0.4	1083	Local	Road
Formic acid	liquid	Near ETP area	0.35	0.5	1500	Local	Road
Caustic soda	solid	Near ETP area	0.05	0.5	1483	Local	Road
Dimethyl formamide	liquid	Near ETP area	0.18	5.0	9250	Local	Road
Pyridine	liquid	Near ETP area	0.225	1.0	1550	Local	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:	769m2
	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):	6m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No Protected area within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	5(f) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Due to MoEFCC login problem unable to submit the application on MoEFCC portal.

	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

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

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

DECISION OF SEAC

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

PP to submit prefeasibility report for the proposed project.

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc.
3) PP to submit copy of Structural Stability Certificate for the structures exists on the site.
4) PP to include existing structure demolition plan in the EIA report along with details of disposal/reuse of demolished material.
5) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site. PP to submit an undertaking for not violating any requirements of EIA Notification, 2006.
6) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
7) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
8) PP to carry out HAZOP and Risk Assessment study and submit Disaster Management Plan.
9) PP to submit hazardous chemical handling protocol.
10) PP to include highlights of chemistry involved in the process in the EIA report.
11) PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.
12) PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.
13) PP to use solar power for administrative building and street lights.
14) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
15) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

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.

151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for Environment Clearance for change in product mix project for Manufacturing of Dye Intermediates and Specialty Chemicals under category 5 (f) by M/s. Abhideep Chemicals Pvt. Ltd. at Plot No. A-2, MIDC Area, Ghuggus Road, Chichala, Dist. Chandrapur, Maharashtra 442406

Is a Violation Case: Yes

1.Name of Project	Change in product mix project for manufacturing of Dye Intermediates and Specialty Chemicals at Plot No. A-2, MIDC Area, Ghuggus Road, Chichala, Dist. Chandrapur, Maharashtra 442406
2.Type of institution	Private
3.Name of Project Proponent	M/s. Abhideep Chemicals Pvt. Ltd.
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Dye Intermediates specialty chemicals
6.New project/expansion in existing project/modernization/diversification in existing project	Change in product mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. A-2, MIDC Area, Ghuggus Road, Padoli, Dist. Chandrapur Maharashtra 442406
9.Taluka	Chandrapur
10.Village	Padoli
Correspondence Name:	Mr. Abhijeet B. Birewar
Room Number:	503
Floor:	--
Building Name:	Keshava
Road/Street Name:	Bandra Kurla Complex
Locality:	Bandra East
City:	Mumbai
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: 15208
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.)	15208
16.Deductions	Not applicable
17.Net Plot area	15208
18 (a).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.): 15208
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 18-04-2018
19.Total ground coverage (m2)	3636.36
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24%
21.Estimated cost of the project	132500000

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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Manufacturing building, administration, raw material and finished goods storage,maintenance workshop.
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	Beta Oxy Naphthoie (Bon) Acid	100	00	100
2	Pamoic Acid	7.5	00	7.5
3	Di-Sodium Pamoate	4.17	00	4.17
4	BNSA (Pure)	8.33	00	8.33
5	1-Hyrdoxy-2-Naphthoic Acid	4.17	00	4.17
6	1-Hydroxy-2-Naphthoic Acid-Phenyl Ester	2.5	00	2.5
7	1-Naphthalene Acetic Acid	2.0	00	2.0
8	1-Naphthalene Acetamide	2.0	00	2.0
9	Methyl Phenyl Hydantoin	40	00	40
10	OR	--	--	--
11	m-PhenoxyBenzaldehyde	184	00	184
12	OR	--	--	--
13	Beta Naphthol	184	00	184
14	OR	--	--	--
15	1,3-Dibromo-5-methyl-5 phenyl hydantoin	--	00	--

16	2,2 Biphenol	--	00	--
17	3-Ethyl Amino 4-Methyl Phenol	--	00	--
18	p-PhenyleneDiamine	--	00	--
19	m-Hyrdoxyacetonphenone	--	00	--
20	1,2,3,4 butane tetra carboxylic acid	--	00	--
21	P Mehtoxy phenyl acetic acid	--	00	--
22	3-Chloro 2-Methyl Anisole	--	00	--
23	Binol	--	00	--
24	2-phenyl-3-3-Bis(4-Hydroxy phenol) Phthalinidine	--	00	--
25	2-Hydroxy 6-Naphthoic acid	--	00	--
26	Cyclopropane Carboxylic Acid (New Product)	--	00	--
27	Total	184	00	184
28	Note: We shall manufacture 184 MT/M either one of the product or combination of the products. The total manufacture quantity will not exceed 184 MT/M	--	--	--
29	By-Product	--	--	--
30	Tar	13.57	00	13.57
31	Sodium Bisulphite	00	51.2	51.2
32	Sodium Chloride	00	34.8	34.8
33	Methanol	00	34	34
34	Total	13.57	120	133.57

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	12	0	12	3	0	3	9	0	9
Industrial Process	83.5	0	83.5	9	0	9	74.5	0	74.5
Cooling tower & thermopack	117.5	0	117.5	92.5	0	92.5	25	0	25
Fresh water requirement	213	0	213	104.5	0	104.5	108.5	0	108.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-15 m below ground level
	Size and no of RWH tank(s) and Quantity:	We propose 5 m3 collection tank for roof top rain water rain water harvesting.
	Location of the RWH tank(s):	Near Office Building
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected rain water will be reused.
	Budgetary allocation (Capital cost) :	3lac.
	Budgetary allocation (O & M cost) :	Rs. 0.4lac./annum
	Details of UGT tanks if any :	No underground tank. Only roof top water collection facility will be provided.
35.Storm water drainage	**Natural water drainage pattern:**	Available at site.
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	9 CMD
	STP technology:	9 CMD will be send to sister concern M/s. Multi Organics, for treatment through proposed STP
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Coal Ash 720 TPA
	Wet waste:	Not Applicable
	Hazardous waste:	Spent Oil 200 Lit/A
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Sold to brick manufacturer.
	Wet waste:	Not Applicable
	Hazardous waste:	Sold to Authorized Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Manufacturing area, administration building, raw material and finished goods storage area, Utility area, Parking area, internal roads &Green belt area.
	Area for the storage of waste & other material:	Raw material/ Finished Good Storage Area –1526.44 Sq.m
	Area for machinery:	1252.73 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in total capital cost
	O & M cost:	Rs. 3 lacs./year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	--	8.0 - 9.5	Not Applicable as project is ZLD	Not Applicable as project is ZLD
2	COD	Mg/Lit.	4000	Not Applicable as project is ZLD	Not Applicable as project is ZLD
3	BOD (3 days at 27 OC)	Mg/Lit.	1800	Not Applicable as project is ZLD	Not Applicable as project is ZLD
4	TSS	Mg/Lit.	300	Not Applicable as project is ZLD	Not Applicable as project is ZLD
5	Oil & Grease	Mg/Lit.	10	Not Applicable as project is ZLD	Not Applicable as project is ZLD

Amount of effluent generation (CMD):	Industrial - 99.5 CMD Domestic – 9 CMD
Capacity of the ETP:	Trade effluent will be sent to sister concern for treatment M/s. Multi Organics, for treatment through proposed ETP100 CMD.
Amount of treated effluent recycled :	99.5 CMD
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Liquid Effluent - High TDS &high COD Stream from process is being sent to MEE. Blowdown from utilities, floor washing etc. is being treated in full-fledged ETP plant. The treated effluent is sent to RO for further treatment. This project is run on completely Zero Liquid Discharge (ZLD) basis
Disposal of the ETP sludge	Not Applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	Ltr/A	200	0	200	Sale to authorized recycler
2	Non-Hazardous Waste	-	-	-	-	-	-

3	Boiler Ash	-	(MT/A)	720	0	720	Sale to Brick Manufacturer

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler - 2 TPH (Existing , Stand By)	Coal – 7.2 TPD	1	27 m from ground	0.65	125 0C
2	Boiler -2.5 TPH (Existing)	Coal – 9.6 TPD	1	27 m from ground	0.65	125 0C
3	Thermopack 6 lac Kcal/hr (Existing)	Coal – 2.4 TPD	1	16 m from ground	0.55	1250C
4	DG Set – 250 KVA (Existing)	HSD – 53 lit./hr	1	3.5 m above enclosure	0.15	140 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	19.2 TPD	Not Applicable	19.2 TPD
2	HSD	53 Ltr/hr	Not Applicable	53 Ltr/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	5024 sq.m.
	No of trees to be cut :	Nil
	Number of trees to be planted :	500.0 nos.
	List of proposed native trees :	Terminalia arjuna(Arjun), Bauhinia racemosa(Apta), Ficusbenghalensis(Vad), Ficusreligiosa(Pimpal), Polyalthialongifolia(Ashok), Azadirachtaindica(Kaduneem), Cassia fistula (Bahava), Neolamarckiacadamba(Kadamb), Teminaliatomentosa(Ain), Lagerstroemia speciosa(Taman), Bougainvillea spectabilis(Bouganvel), Lantana camara(Ghaneri), Calatropisgigentia(Rui), Hibiscus rosasinensis(Jaswand), Neriumindicum(Kanher)
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminaliaarjuna	Arjun	75	Pollution resistant and Native
2	Bauhinia racemosa	Apta	20	Pollution resistant and Native
3	Ficusbenghalensis	Vad	20	Pollution resistant and NativePollution resistant and Native
4	Ficusreligiosa	Pimpal	75	Pollution resistant and Native
5	Polyalthialongifolia	Ashok	20	Pollution resistant and Native
6	Azadirachtaindica	Kaduneem	25	Pollution resistant and Native

7	Cassia fistula	Bahava	20	Pollution resistant and Native
8	Neolamarckiacadamba	Kadamb	75	Pollution resistant and Native
9	Teminaliatomentosa	Ain	25	Pollution resistant and Native
10	Lagerstroemia speciosa	Taman	30	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	25	Pollution resistant and Native
12	Lantana camara	Ghaneri	20	Pollution resistant and Native
13	Calatropisgigentia	Rui	25	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	25	Pollution resistant and Native
15	Neriumindicum	Kanher	20	Pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	496 KW
	During Operation phase (Demand load):	335 KW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	1 DG set- 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension lines are passing through the plot

48.Energy saving by non-conventional method:

Nil

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	Multiple cyclone and dust collector followed by stack of adequate height.	Multiple cyclone and dust collector followed by stack of adequate height.
Water	MEE, ETP & RO	MEE, ETP & RO
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Sale to authorized recycler	Sale to 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	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Multi cyclone and dust collector followed by stack is provided. Scrubbers Provided.	55	6
2	Water pollution control	Single effect evaporator	20	6
3	Noise pollution Control	Acoustic encl./ Ant vibration pads	12	1
4	Occupational Health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	4	1
5	Environmental Monitoring Budget	Environmental Monitoring	2	1
6	Hazardous waste Storage & disposal	-	3	1
7	Green belt	-	2	0.5
8	Total	-	98	16.5

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
Alpha Naphthol	Solid	RM Storage	0.15	0.15	4.17	Local	By Road

Alpha Naphthalene Acetic Acid	Solid	RM Storage	0.5	0.5	2.67	Local	By Road
Ammonia	Liquid	RM Storage	0.05	0.05	0.267	Local	By Road
Ammonium Carbonate	Solid	RM Storage	5.0	5.0	26.8	Local	By Road
Acetophenone	Liquid	RM Storage	6.0	6.0	30.8	Local	By Road
AON Acid	Solid	RM Storage	1.5	1.5	7.5	Local	By Road
Beta Naphthol	Solid	RM Storage	4.5	4.5	135	Local	By Road
BON Acid	Solid	RM Storage	0.15	0.15	4.17	Local	By Road
Carbon Dioxode	Gas	RM Storage	1.4	1.4	42	Local	By Road
Caustic Soda Flakes / lye	solid/ Liquid	RM Storage	20	20	185	Local	By Road
Ethanol	Liquid	RM Storage	200 lit	200 lit	0.93	Local	By Road
Di Iso Propyl Ether	Liquid	RM Storage	200 lit	200 lit	0.6	Local	By Road
DSP	Solid	RM Storage	0.5	0.5	9	Local	By Road
Formaldehyde	Solid	RM Storage	0.5	0.5	1.45	Local	By Road
Methanol	Liquid	RM Storage	2500 lit	2500 lit	16	Local	By Road
Mono Chloro Acetic Acid	Liquid	RM Storage	400 lit	400 lit	1.56	Local	By Road
Naphthalene	Solid	RM Storage	8.0	8.0	230	Local	By Road
Phenol	Solid	RM Storage	12.0	12.0	64	Local	By Road
Sodium Cyanide	Solid	RM Storage	4.0	4.0	12.8	Local	By Road
Sodium Hypo Chlorite	Liquid	RM Storage	0.4	0.4	2.4	Local	By Road
Sulfuric Acid	Liquid	RM Storage	25	25	224.5	Local	By Road
Technical BNSA	Solid	RM Storage	0.6	0.6	16.66	Local	By Road
Thionyl Chloride	Liquid	RM Storage	6.0	6.0	64.4	Local	By Road
Toluene	Liquid	RM Storage	200 lit	200 lit	0.7	Local	By Road
n-Ethyl o-toluedine	Liquid	RM Storage	1.0	1.0	7.35	Local	By Road
p-Nitro Aniline	Liquid	RM Storage	1.0	1.0	7.25	Local	By Road
1,2,3,6 Tetra Hydro phthalic Anhydride	Solid	RM Storage	30	30	41.66	Local	By Road
p-methoxyAcetophenone	Solid	RM Storage	1.0	1.0	7.5	Local	By Road
Marpholine	Liquid	RM Storage	1.0	1.0	4.37	Local	By Road
3-Chlroro 2- methyl Aniline	Liquid	RM Storage	1.0	1.0	5.33	Local	By Road
Phenophthalene	Solid	RM Storage	1.5	1.5	5	Local	By Road
Di Bezofurane	Solid	RM Storage	1.5	1.5	6.04	Local	By Road
Ferric Chloride	Solid	RM Storage	0.2	0.2	0.2	Local	By Road
Aniline	Liquid	RM Storage	1.0	1.0	5.86	Local	By Road
4- ChloroBenzaldehyde	Liquid	RM Storage	1.0	1.0	93.8	Local	By Road
r-Methyl Phenyl Hydantoin	Solid	RM Storage	1.0	1.0	4	Local	By Road
Sulphur	Solid	RM Storage	0.5	0.5	1.65	Local	By Road
Sodium Hydro sulfide	Solid	RM Storage	1.0	1.0	3.45	Local	By Road
Potassium Hydroxide	Solid	RM Storage	10.0	10.0	110	Local	By Road
Potassium Carbonate	Solid	RM Storage	0.5	0.5	0.725	Local	By Road
Oleum	Liquid	RM Storage	6.0	6.0	23.5	Local	By Road
Calcium Carbonate	Solid	RM Storage	2.5	2.5	11.76	Local	By Road
Nitric Acid	Liquid	RM Storage	25.0	25.0	84	Local	By Road
Sodium Nitrite	Solid	RM Storage	1.0	1.0	4.67	Local	By Road
Xylene	Liquid	RM Storage	25 KL	25 KL	3	Local	By Road

Iso propyl Alcohol	Liquid	RM Storage	200 Lit	200 Lit	0.3	Local	By Road
Acetic Acid	Liquid	RM Storage	250 Lit	250 Lit	0.5	Local	By Road
Di methyl sulphate	Liquid	RM Storage	1.0	1.0	7.1	Local	By Road
Hydrochlric Acid	Liquid	RM Storage	25	25	27.8	Local	By Road
Alluminum Chloride	Solid	RM Storage	20	20	155.8	Local	By Road
Methylene Di Chloride	Liquid	RM Storage	600 Lit	600 Lit	1.88	Local	By Road
Bromine	Liquid	RM Storage	30 Lit	30 Lit	0.09	Local	By Road
Chlorine	Gas	RM Storage	0.05	0.05	0.05	Local	By Road
Ethylene Glycol	Liquid	RM Storage	10	10	47	Local	By Road
Para Tolylsulphonic Acid	Solid	RM Storage	0.1	0.1	0.36	Local	By Road
Diglyme	Solid	RM Storage	0.1	0.1	0.56	Local	By Road
Ethylene Dichloride	Liquid	RM Storage	1.0	1.0	4.3	Local	By Road
Sodium Carbonate	Solid	RM Storage	0.1	0.1	0.5	Local	By Road
Sodium BiCarbonate	Solid	RM Storage	0.1	0.1	0.5	Local	By Road
BT -300	Liquid	RM StorageRM Storage	5000 lit	5000 lit	5	Local	By Road
Gamma Buty Lactone	Liquid	RM Storage	5.0	5.0	46.04	Local	By Road
Sodium Methoxide	Solid	RM Storage	5.0	5.0	34.2	Local	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:	NA
	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:	Available
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	5 (f) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for grant of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018,

PP applied for the grant of ToR to the MoEF&CC on 13.04.2018 and SEIAA vide Unique ID No1262.. on 13th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited cosultant, it was observed that PP was not having adequate information to present to the committee.

Hence deferred.

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

151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for Environment Clearance for change in product mix project for Manufacturing of Dye Intermediates and Specialty Chemicals under category 5 (f) by M/s. Abhideep Chemicals Pvt. Ltd. at Plot No. A-2, MIDC Area, Ghuggus Road, Chichala, Dist. Chandrapur, Maharashtra 442406

Is a Violation Case: Yes

1.Name of Project	Change in product mix project for manufacturing of Dye Intermediates and Specialty Chemicals at Plot No. A-2, MIDC Area, Ghuggus Road, Chichala, Dist. Chandrapur, Maharashtra 442406
2.Type of institution	Private
3.Name of Project Proponent	M/s. Abhideep Chemicals Pvt. Ltd.
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Dye Intermediates specialty chemicals
6.New project/expansion in existing project/modernization/diversification in existing project	Change in product mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. A-2, MIDC Area, Ghuggus Road, Padoli, Dist. Chandrapur Maharashtra 442406
9.Taluka	Chandrapur
10.Village	Padoli
Correspondence Name:	Mr. Abhijeet B. Birewar
Room Number:	503
Floor:	--
Building Name:	Keshava
Road/Street Name:	Bandra Kurla Complex
Locality:	Bandra East
City:	Mumbai
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: 15208
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.)	15208
16.Deductions	Not applicable
17.Net Plot area	15208
18 (a).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.): 15208
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 18-04-2018
19.Total ground coverage (m2)	3636.36
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24%
21.Estimated cost of the project	132500000

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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Manufacturing building, administration, raw material and finished goods storage,maintenance workshop.
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	Beta Oxy Naphthoie (Bon) Acid	100	00	100
2	Pamoic Acid	7.5	00	7.5
3	Di-Sodium Pamoate	4.17	00	4.17
4	BNSA (Pure)	8.33	00	8.33
5	1-Hyrdoxy-2-Naphthoic Acid	4.17	00	4.17
6	1-Hydroxy-2-Naphthoic Acid-Phenyl Ester	2.5	00	2.5
7	1-Naphthalene Acetic Acid	2.0	00	2.0
8	1-Naphthalene Acetamide	2.0	00	2.0
9	Methyl Phenyl Hydantoin	40	00	40
10	OR	--	--	--
11	m-PhenoxyBenzaldehyde	184	00	184
12	OR	--	--	--
13	Beta Naphthol	184	00	184
14	OR	--	--	--
15	1,3-Dibromo-5-methyl-5 phenyl hydantoin	--	00	--

16	2,2 Biphenol	--	00	--
17	3-Ethyl Amino 4-Methyl Phenol	--	00	--
18	p-PhenyleneDiamine	--	00	--
19	m-Hyrdoxyacetonphenone	--	00	--
20	1,2,3,4 butane tetra carboxylic acid	--	00	--
21	P Mehtoxy phenyl acetic acid	--	00	--
22	3-Chloro 2-Methyl Anisole	--	00	--
23	Binol	--	00	--
24	2-phenyl-3-3-Bis(4-Hydroxy phenol) Phthalinidine	--	00	--
25	2-Hydroxy 6-Naphthoic acid	--	00	--
26	Cyclopropane Carboxylic Acid (New Product)	--	00	--
27	Total	184	00	184
28	Note: We shall manufacture 184 MT/M either one of the product or combination of the products. The total manufacture quantity will not exceed 184 MT/M	--	--	--
29	By-Product	--	--	--
30	Tar	13.57	00	13.57
31	Sodium Bisulphite	00	51.2	51.2
32	Sodium Chloride	00	34.8	34.8
33	Methanol	00	34	34
34	Total	13.57	120	133.57

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	12	0	12	3	0	3	9	0	9
Industrial Process	83.5	0	83.5	9	0	9	74.5	0	74.5
Cooling tower & thermopack	117.5	0	117.5	92.5	0	92.5	25	0	25
Fresh water requirement	213	0	213	104.5	0	104.5	108.5	0	108.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-15 m below ground level
	Size and no of RWH tank(s) and Quantity:	We propose 5 m3 collection tank for roof top rain water rain water harvesting.
	Location of the RWH tank(s):	Near Office Building
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected rain water will be reused.
	Budgetary allocation (Capital cost) :	3lac.
	Budgetary allocation (O & M cost) :	Rs. 0.4lac./annum
	Details of UGT tanks if any :	No underground tank. Only roof top water collection facility will be provided.
35.Storm water drainage	**Natural water drainage pattern:**	Available at site.
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	9 CMD
	STP technology:	9 CMD will be send to sister concern M/s. Multi Organics, for treatment through proposed STP
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Coal Ash 720 TPA
	Wet waste:	Not Applicable
	Hazardous waste:	Spent Oil 200 Lit/A
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Sold to brick manufacturer.
	Wet waste:	Not Applicable
	Hazardous waste:	Sold to Authorized Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Manufacturing area, administration building, raw material and finished goods storage area, Utility area, Parking area, internal roads &Green belt area.
	Area for the storage of waste & other material:	Raw material/ Finished Good Storage Area –1526.44 Sq.m
	Area for machinery:	1252.73 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in total capital cost
	O & M cost:	Rs. 3 lacs./year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	--	8.0 - 9.5	Not Applicable as project is ZLD	Not Applicable as project is ZLD
2	COD	Mg/Lit.	4000	Not Applicable as project is ZLD	Not Applicable as project is ZLD
3	BOD (3 days at 27 OC)	Mg/Lit.	1800	Not Applicable as project is ZLD	Not Applicable as project is ZLD
4	TSS	Mg/Lit.	300	Not Applicable as project is ZLD	Not Applicable as project is ZLD
5	Oil & Grease	Mg/Lit.	10	Not Applicable as project is ZLD	Not Applicable as project is ZLD

Amount of effluent generation (CMD):	Industrial - 99.5 CMD Domestic – 9 CMD
Capacity of the ETP:	Trade effluent will be sent to sister concern for treatment M/s. Multi Organics, for treatment through proposed ETP100 CMD.
Amount of treated effluent recycled :	99.5 CMD
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Liquid Effluent - High TDS &high COD Stream from process is being sent to MEE. Blowdown from utilities, floor washing etc. is being treated in full-fledged ETP plant. The treated effluent is sent to RO for further treatment. This project is run on completely Zero Liquid Discharge (ZLD) basis
Disposal of the ETP sludge	Not Applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	Ltr/A	200	0	200	Sale to authorized recycler
2	Non-Hazardous Waste	-	-	-	-	-	-

3	Boiler Ash	-	(MT/A)	720	0	720	Sale to Brick Manufacturer

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler - 2 TPH (Existing , Stand By)	Coal – 7.2 TPD	1	27 m from ground	0.65	125 0C
2	Boiler -2.5 TPH (Existing)	Coal – 9.6 TPD	1	27 m from ground	0.65	125 0C
3	Thermopack 6 lac Kcal/hr (Existing)	Coal – 2.4 TPD	1	16 m from ground	0.55	1250C
4	DG Set – 250 KVA (Existing)	HSD – 53 lit./hr	1	3.5 m above enclosure	0.15	140 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	19.2 TPD	Not Applicable	19.2 TPD
2	HSD	53 Ltr/hr	Not Applicable	53 Ltr/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	5024 sq.m.
	No of trees to be cut :	Nil
	Number of trees to be planted :	500.0 nos.
	List of proposed native trees :	Terminalia arjuna(Arjun), Bauhinia racemosa(Apta), Ficusbenghalensis(Vad), Ficusreligiosa(Pimpal), Polyalthialongifolia(Ashok), Azadirachtaindica(Kaduneem), Cassia fistula (Bahava), Neolamarckiacadamba(Kadamb), Teminaliatomentosa(Ain), Lagerstroemia speciosa(Taman), Bougainvillea spectabilis(Bouganvel), Lantana camara(Ghaneri), Calatropisgigentia(Rui), Hibiscus rosasinensis(Jaswand), Neriumindicum(Kanher)
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminaliaarjuna	Arjun	75	Pollution resistant and Native
2	Bauhinia racemosa	Apta	20	Pollution resistant and Native
3	Ficusbenghalensis	Vad	20	Pollution resistant and NativePollution resistant and Native
4	Ficusreligiosa	Pimpal	75	Pollution resistant and Native
5	Polyalthialongifolia	Ashok	20	Pollution resistant and Native
6	Azadirachtaindica	Kaduneem	25	Pollution resistant and Native

7	Cassia fistula	Bahava	20	Pollution resistant and Native
8	Neolamarckiacadamba	Kadamb	75	Pollution resistant and Native
9	Teminaliatomentosa	Ain	25	Pollution resistant and Native
10	Lagerstroemia speciosa	Taman	30	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	25	Pollution resistant and Native
12	Lantana camara	Ghaneri	20	Pollution resistant and Native
13	Calatropisgigentia	Rui	25	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	25	Pollution resistant and Native
15	Neriumindicum	Kanher	20	Pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	496 KW
	During Operation phase (Demand load):	335 KW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	1 DG set- 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension lines are passing through the plot

48.Energy saving by non-conventional method:

Nil

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	Multiple cyclone and dust collector followed by stack of adequate height.	Multiple cyclone and dust collector followed by stack of adequate height.
Water	MEE, ETP & RO	MEE, ETP & RO
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Sale to authorized recycler	Sale to 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	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Multi cyclone and dust collector followed by stack is provided. Scrubbers Provided.	55	6
2	Water pollution control	Single effect evaporator	20	6
3	Noise pollution Control	Acoustic encl./ Ant vibration pads	12	1
4	Occupational Health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	4	1
5	Environmental Monitoring Budget	Environmental Monitoring	2	1
6	Hazardous waste Storage & disposal	-	3	1
7	Green belt	-	2	0.5
8	Total	-	98	16.5

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
Alpha Naphthol	Solid	RM Storage	0.15	0.15	4.17	Local	By Road

Alpha Naphthalene Acetic Acid	Solid	RM Storage	0.5	0.5	2.67	Local	By Road
Ammonia	Liquid	RM Storage	0.05	0.05	0.267	Local	By Road
Ammonium Carbonate	Solid	RM Storage	5.0	5.0	26.8	Local	By Road
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Beta Naphthol	Solid	RM Storage	4.5	4.5	135	Local	By Road
BON Acid	Solid	RM Storage	0.15	0.15	4.17	Local	By Road
Carbon Dioxode	Gas	RM Storage	1.4	1.4	42	Local	By Road
Caustic Soda Flakes / lye	solid/ Liquid	RM Storage	20	20	185	Local	By Road
Ethanol	Liquid	RM Storage	200 lit	200 lit	0.93	Local	By Road
Di Iso Propyl Ether	Liquid	RM Storage	200 lit	200 lit	0.6	Local	By Road
DSP	Solid	RM Storage	0.5	0.5	9	Local	By Road
Formaldehyde	Solid	RM Storage	0.5	0.5	1.45	Local	By Road
Methanol	Liquid	RM Storage	2500 lit	2500 lit	16	Local	By Road
Mono Chloro Acetic Acid	Liquid	RM Storage	400 lit	400 lit	1.56	Local	By Road
Naphthalene	Solid	RM Storage	8.0	8.0	230	Local	By Road
Phenol	Solid	RM Storage	12.0	12.0	64	Local	By Road
Sodium Cyanide	Solid	RM Storage	4.0	4.0	12.8	Local	By Road
Sodium Hypo Chlorite	Liquid	RM Storage	0.4	0.4	2.4	Local	By Road
Sulfuric Acid	Liquid	RM Storage	25	25	224.5	Local	By Road
Technical BNSA	Solid	RM Storage	0.6	0.6	16.66	Local	By Road
Thionyl Chloride	Liquid	RM Storage	6.0	6.0	64.4	Local	By Road
Toluene	Liquid	RM Storage	200 lit	200 lit	0.7	Local	By Road
n-Ethyl o-toluedine	Liquid	RM Storage	1.0	1.0	7.35	Local	By Road
p-Nitro Aniline	Liquid	RM Storage	1.0	1.0	7.25	Local	By Road
1,2,3,6 Tetra Hydro phthalic Anhydride	Solid	RM Storage	30	30	41.66	Local	By Road
p-methoxyAcetophenone	Solid	RM Storage	1.0	1.0	7.5	Local	By Road
Marpholine	Liquid	RM Storage	1.0	1.0	4.37	Local	By Road
3-Chlroro 2- methyl Aniline	Liquid	RM Storage	1.0	1.0	5.33	Local	By Road
Phenophthalene	Solid	RM Storage	1.5	1.5	5	Local	By Road
Di Bezofurane	Solid	RM Storage	1.5	1.5	6.04	Local	By Road
Ferric Chloride	Solid	RM Storage	0.2	0.2	0.2	Local	By Road
Aniline	Liquid	RM Storage	1.0	1.0	5.86	Local	By Road
4- ChloroBenzaldehyde	Liquid	RM Storage	1.0	1.0	93.8	Local	By Road
r-Methyl Phenyl Hydantoin	Solid	RM Storage	1.0	1.0	4	Local	By Road
Sulphur	Solid	RM Storage	0.5	0.5	1.65	Local	By Road
Sodium Hydro sulfide	Solid	RM Storage	1.0	1.0	3.45	Local	By Road
Potassium Hydroxide	Solid	RM Storage	10.0	10.0	110	Local	By Road
Potassium Carbonate	Solid	RM Storage	0.5	0.5	0.725	Local	By Road
Oleum	Liquid	RM Storage	6.0	6.0	23.5	Local	By Road
Calcium Carbonate	Solid	RM Storage	2.5	2.5	11.76	Local	By Road
Nitric Acid	Liquid	RM Storage	25.0	25.0	84	Local	By Road
Sodium Nitrite	Solid	RM Storage	1.0	1.0	4.67	Local	By Road
Xylene	Liquid	RM Storage	25 KL	25 KL	3	Local	By Road

Iso propyl Alcohol	Liquid	RM Storage	200 Lit	200 Lit	0.3	Local	By Road
Acetic Acid	Liquid	RM Storage	250 Lit	250 Lit	0.5	Local	By Road
Di methyl sulphate	Liquid	RM Storage	1.0	1.0	7.1	Local	By Road
Hydrochlric Acid	Liquid	RM Storage	25	25	27.8	Local	By Road
Alluminum Chloride	Solid	RM Storage	20	20	155.8	Local	By Road
Methylene Di Chloride	Liquid	RM Storage	600 Lit	600 Lit	1.88	Local	By Road
Bromine	Liquid	RM Storage	30 Lit	30 Lit	0.09	Local	By Road
Chlorine	Gas	RM Storage	0.05	0.05	0.05	Local	By Road
Ethylene Glycol	Liquid	RM Storage	10	10	47	Local	By Road
Para Tolylsulphonic Acid	Solid	RM Storage	0.1	0.1	0.36	Local	By Road
Diglyme	Solid	RM Storage	0.1	0.1	0.56	Local	By Road
Ethylene Dichloride	Liquid	RM Storage	1.0	1.0	4.3	Local	By Road
Sodium Carbonate	Solid	RM Storage	0.1	0.1	0.5	Local	By Road
Sodium BiCarbonate	Solid	RM Storage	0.1	0.1	0.5	Local	By Road
BT -300	Liquid	RM StorageRM Storage	5000 lit	5000 lit	5	Local	By Road
Gamma Buty Lactone	Liquid	RM Storage	5.0	5.0	46.04	Local	By Road
Sodium Methoxide	Solid	RM Storage	5.0	5.0	34.2	Local	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:	NA
	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:	Available
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	5 (f) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for grant of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018,

PP applied for the grant of ToR to the MoEF&CC on 13.04.2018 and SEIAA vide Unique ID No1262.. on 13th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited cosultant, it was observed that PP was not having adequate information to present to the committee.

Hence deferred.

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

151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for installed capacity of 160 MTPA of API production in the first phase and operating as per current CTO. Now, the expansion is planned upto 220 MTPA(expansion by 60 MTPA) of API production which change in product mix. However, the site is having current EC for production of 320 MTPA of API. -- Application for grant of ToRs

Is a Violation Case: No

1.Name of Project	M/s. CIPLA Ltd. (Unit - II)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Alipasha Saudagar (Associate Director)
4.Name of Consultant	Equinox Environments (India) Pvt. Ltd.
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed expansion and modernization of existing bulk drugs and intermediate manufacturing unit
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance from MoEF, New Delhi Dated 31 July, 2007
8.Location of the project	Plot No. D-27, MIDC Kurkumbh, Daund, Pune
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	M/s. CIPLA Ltd. (Unit - II)
Room Number:	Plot No. D-27
Floor:	--
Building Name:	--
Road/Street Name:	MIDC Kurkumbh
Locality:	Kurkumbh, Daund
City:	Pune
11.Area of the project	Notified Industrial Area - Kurkumbh MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 28264
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Existing unit of CIPLA ltd. is located in notified industrial area i.e. Kurkumbh MIDC
15.Total Plot Area (sq. m.)	1,60,000 Sq. M.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	151100000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Darunavir Hydrate	0.123	00	0.123
2	Darunavir Ethanolate	0.174	00	0.174
3	Efavirenz	0.410	00	0.410
4	Tenofovir Disoproxil Fumarate	7.56	4.41	11.97
5	Emtricitabine	0.105	00	0.105
6	Lamotrigine	0.55	00	0.55
7	Trimetzidine dihydrochloride	1.4	00	1.4
8	Ranolazine	0.09	00	0.09
9	SMK	0.16	00	0.16
10	Pantaprazole sodium sesquihydrate	0.054	00	0.054
11	Esomeprazole Magnesium Dihydrate	0.079	00	0.079
12	Lansoprazole	0.128	00	0.128
13	Escitalopram Oxalate	0.05	00	0.05

14	Citalpram Hydrobromide	1.24	00	1.24
15	Olmesartam Medoximil	0.043	00	0.043
16	Losartan Potassium	0.263	00	0.263
17	Sibutramine hydrochloride	0.13	00	0.13
18	Celecoxib	0.285	00	0.285
19	Raloxifine Hydrochloride	0.111	00	0.111
20	Terbinafine hydrochloride	0.25	00	0.25
21	Eluxadoline	00	0.0049	0.0049
22	Bictegravir	00	0.03	0.03
23	R & Product	00	0.5	0.5

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Water supply Scheme
	Fresh water (CMD):	149
	Recycled water - Flushing (CMD):	56 - in process (Not for flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	202
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

Wet season:	**Source of water**	MIDC Water supply Scheme
	Fresh water (CMD):	149
	Recycled water - Flushing (CMD):	56 - in Process (Not for flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	202
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
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	00	10	2.5	00	2.5	7.5	00	7.5
Industrial Process	40	8	48	00	00	00	46	12	58
Cooling tower & thermopack	80	17	97	75	14.5	89.5	5	2.5	7.5
Gardening	37	10	47	00	00	00	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Details of Rain Water Harvesting will be incorporate in EIA report.
	Size and no of RWH tank(s) and Quantity:	Details of Rain Water Harvesting will be incorporate in EIA report.
	Location of the RWH tank(s):	Details of Rain Water Harvesting will be incorporate in EIA report.
	Quantity of recharge pits:	Details of Rain Water Harvesting will be incorporate in EIA report.
	Size of recharge pits :	Details of Rain Water Harvesting will be incorporate in EIA report.
	Budgetary allocation (Capital cost) :	Details of Rain Water Harvesting will be incorporate in EIA report.
	Budgetary allocation (O & M cost) :	Details of Rain Water Harvesting will be incorporate in EIA report.
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	Details of Storm water drainage will be incorporate in EIA report.
	Quantity of storm water:	Details of Storm water drainage will be incorporate in EIA report.
	Size of SWD:	Details of Storm water drainage will be incorporate in EIA report.
Sewage and Waste water	**Sewage generation in KLD:**	7.5
	STP technology:	There is no any provision of STP on site for treatment of sewage. Sewageis treated in existing ETP. After expansion same practices will be followed.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	No major construction would be done since most of infrastructure would be used from existing unit. Only few equipments and machineries as required for proposed expansion unit would be installed.
Waste generation in the operation Phase:	**Dry waste:**	Plastic, Glass, Ferrous, Wooden, Metal Scrap, Discarded containers, drums, carboys, etc.
	Wet waste:	NA
	Hazardous waste:	Battery Waste, E-Waste
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Sale to Authorized re-processor
	Wet waste:	NA
	Hazardous waste:	Sale to Authorized re-processor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Unit - II, Plot No. D-27, MIDC Kurkumbh, Daund, Pune, Maharashtra.
	Area for the storage of waste & other material:	Storage details of waste and other material will be incorporate in EIA Report.
	Area for machinery:	Storage details of waste and other material will be incorporate in EIA Report.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Storage details of waste and other material will be incorporate in EIA Report.
	O & M cost:	Storage details of waste and other material will be incorporate in EIA Report.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	BOD	mg/lit	3374	10	30
2	COD	mg/lit	13554	62	250
3	TDS	mg/lit	2550	342	2100
4	pH	--	8.4	8.75	5.5 - 9.0

Amount of effluent generation (CMD):	73
Capacity of the ETP:	150
Amount of treated effluent recycled :	56
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Effluent segregated into 2 streams – E-1 & E-2. E-1 treated in existing ETP & E-2 treated in MEE & VTFD. Condensate treat through E1 Stream treatment. Achieves ZLD
Disposal of the ETP sludge	Solid from VTFD send to CHWTSDF for disposal

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / Spent Oil	5.1	Lit/M	200	100	300	Sale to authorized party
2	Spent Acid	26.3	MT/M	30	5	35	Sale to authorized party
3	Spent Solvents	28.6	Lit/M	3500	2000	5500	Sale to authorized party
4	Spent catalyst / Spent Carbon	28.3	Kg/M	125	200	325	Sale to authorized party / CHWTSDF
5	Date expired, discarded & off-specification drugs / medicines / chemicals	28.5	Kg/M	1500	1000	2500	CHWTSDF
6	Spent mother liquor	28.1	M3/M	375	100	475	Final residue to CHWTSDF
7	Spent organic solvents	28.6	KL/M	375	100	475	Sale to authorized party
8	Discarded container barrels / liners used for hazardous waste / chemicals	33.1	No./M	200	100	300	Sale to authorized party
9	Chemical sludge, oil & grease skimming residues from industrial effluent	35.3	MT/M	750	15	765	CHWTSDF
10	Sludge from MEE system	35.1	MT/M	20	50	70	CHWTSDF

11	Sludge from wet scrubber	37.1	Kg/M	25	50	75	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 - 2 TPH; 2 Nos.	FO; 9.61Lit/Hr	1	30.05	0.63	99
2	Thermopack-2 Lakhs kCal/Hr; 1 No.	HSD; 45 Lit/Hr	1	30.05	0.63	168
3	DG Set -1250 KVA; 1 No.	HSD; 11.7Lit/Hr.	1	7.05	0.2	145
4	Process Scrubbers - 5Lit/hr; 3 Nos.	--	3	4	0.3	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD - Thermopack	22 KgHr	00	22 KgHr
2	Furnace Oil	104 Kg/Hr	00	104 Kg/Hr
3	HSD - DG Set	85	00	85
41.Source of Fuel		Indian Oil Corporation Ltd.		
42.Mode of Transportation of fuel to site		Through tankers by Road		

43.Green Belt Development	**Total RG area :**	Existing Green Belt Area- 27576 Sq. M (17.23 % of Total plot area)
	No of trees to be cut :	NA
	Number of trees to be planted :	Proposed Green Belt – 25,224 Sq. M. (16 % of Total Plot area) List of trees tobe planted under expansion will be be incorporate in EIA report.
	List of proposed native trees :	Proposed Green Belt – 25,224 Sq. M. (16 % of Total Plot area) List of trees tobe planted under expansion will be be incorporate in EIA report.
	Timeline for completion of plantation :	The detailed plan of green belt development and implementation schedule will be incorporate 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	List of trees tobe planted under expansion will be be incorporate in EIA report.	List of trees tobe planted under expansion will be be incorporate in EIA report.	List of trees tobe planted under expansion will be be incorporate in EIA report.	List of trees tobe planted under expansion will be be incorporate 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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Total - 30 MWH (Existing -27 MWH, Expansion - 3 MWH)
	During Operation phase (Demand load):	Total - 30 MWH (Existing -27 MWH, Expansion - 3 MWH)
	Transformer:	NA
	DG set as Power back-up during operation phase:	One existing DG set of capacity 1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details of capital cost will be incorporate in EIA report.
	O & M cost:	Details of O & M cost will be incorporate 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	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	Boiler, Stack	25	O & M cost of all components is 500 Lakhs
2	Water Pollution Control - ETP	EPT plant	300	AS mentioned in above
3	Noise Pollution Control	Noise level management, PPEs	20	AS mentioned in above

4	Environmental Monitoring & Management	Environmental Monitoring & Management	2	AS mentioned in above
5	Occupational Health	Occupational Health and safety	1	AS mentioned in above
6	Green Belt	Green Belt	2	AS mentioned in above
7	MEE & VTFD	MEE & VTFD	150	AS mentioned in above

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
Details of storage of chemicals will be incorporate at the time of EIA report submission.	Details of storage of chemicals will be incorporate at the time of EIA report submission	Details of storage of chemicals will be incorporate at the time of EIA report submission	Details of storage of chemicals will be incorporate at the time of EIA report submission	Details of storage of chemicals will be incorporate at the time of EIA report submission	Details of storage of chemicals will be incorporate at the time of EIA report submission	Details of storage of chemicals will be incorporate at the time of EIA report submission	Details of storage of chemicals will be incorporate at the time of EIA report submission

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Details of traffic management will be incorporate at the time of EIA report submission

Parking details:	**Number and area of basement:**	Details of traffic management will be incorporate at the time of EIA report submission
	Number and area of podia:	Details of traffic management will be incorporate at the time of EIA report submission
	Total Parking area:	Details of traffic management will be incorporate at the time of EIA report submission
	Area per car:	Details of traffic management will be incorporate at the time of EIA report submission
	Area per car:	Details of traffic management will be incorporate at the time of EIA report submission
	Number of 2-Wheelers as approved by competent authority:	Details of traffic management will be incorporate at the time of EIA report submission
	Number of 4-Wheelers as approved by competent authority:	Details of traffic management will be incorporate at the time of EIA report submission
	Public Transport:	Details of traffic management will be incorporate at the time of EIA report submission
	Width of all Internal roads (m):	Details of traffic management will be incorporate at the time of EIA report submission
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category (B) Item No.: 5 (f) as per EIA Notification No. S.O. 1533 (E)" dated 14.09.2006, amended thereat
	Court cases pending if any	No any court Cases pending
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

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

PP to submit certified copy of compliance of earlier EC No.J-11011/368/2006-IA (I) dated 31.07.2007 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017.

DECISION OF SEAC

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

PP to submit prefeasibiity report for the proposed expansion.

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc.
3) PP to submit copy of Structural Stability Certificate of the structures exists on the site.
4) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.bmit an undertaking for not violating any requirements of EIA Notification, 2006.
5) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
6) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
7) PP to carry out HAZOP and Risk Assessment study and submit Disaster Management Plan.
8) PP to submit hazardous chemical handling protocol
9) PP to submit drawings, cross sectional drawings of the manufacturing units, equipment layout plan along with report on adequacy of the existing space for the expansion activities.
10) PP to include highlights of chemistry involved in the process in the EIA report.
11) PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.
12) PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.
13) PP to use solar power of administrative building and street lights.
14) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
15) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

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.

151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for Environment Clearance for Union Park Chemical (Bombay) Pvt. Ltd. at Plot No.: E-11 & E-11/1, MIDC Tarapur, District Palghar, Maharashtra 401506

Is a Violation Case: No

1.Name of Project	Expansion project for Manufacturing of Specialty Chemicals, API & Pharma Intermediate, at Plot No.: E-11 & E-11/1, MIDC Tarapur, District Palghar, Maharashtra 401506
2.Type of institution	Private
3.Name of Project Proponent	M/s. Union Park Chemical (Bombay) Pvt. Ltd
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot no: E-11 & E-11/1
9.Taluka	Palghar
10.Village	Salvad
Correspondence Name:	Mr. Amit J. Thakkar
Room Number:	NA
Floor:	NA
Building Name:	201,Durga Niwas
Road/Street Name:	Maharshi Karve Road
Locality:	B/H New English High School, Naupada,
City:	Thane(W) - 400602
11.Area of the project	MIDC Tarapur, Boisar, Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 10788
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.)	10788 Sq m
16.Deductions	Not applicable
17.Net Plot area	10788 Sq.m.
18 (a).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.): 10788
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	3543.67
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.84
21.Estimated cost of the project	224500000

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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes
30.Details of the demolition with disposal (If applicable)	Existing structure of 55 sq.m area will be demolished to make 6 m wide internal road.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	2-Amino 5 Nitro Anisole (Fast Red B Base)	60	0	60
2	2-Amino 4 Nitro Anisole (Fast Scarlet R Base)	10	0	10
3	2-Amino 4 Nitro Anisole Hydrochloride (Fast Scarlet RC Base)	5	0	5
4	Meta Nitro Para Anisidine (Fast Bordeaux GP Base) OR	5	(+) 10	15
5	Meta Nitro Para Toluidine	0	(+) 10	10
6	Fast Blue B Base/ Fast Blue B Base Di Hydrochloride (Ortho Di Anisidine/Ortho Di Anisidine Hydrochloride) OR O.T Base	10	(-) 10	0
7	5 Nitro Benzimidazolone	0	(+) 20	20
8	5-Difluoromethoxy 2-Mercapto- 1H – Benzimidazole	0	(+) 10	10
9	2 Chloromethyl 3,4 Dimethoxy Pyridine HCl	0	(+) 10	10
10	2-{[(3,4-Dimethoxy-2-pyridinyl)-methyl]-thio}-5-Difluoromethoxy-1H-benzimidazole (Pantoprazole Sulphide)	0	(+) 5	5
11	5-Methoxy-2-Mercapto-1H-Benzimidazole	0	(+) 15	15
12	2-Chloromethyl-4-methoxy-3,5-dimethylpyridine hydrochloride (Ome Chloro)	0	(+) 10	10
13	2-{[(3,5-Dimethyl-4-methoxy-2-pyridinyl)-methyl]-thio}-5-methoxy-1H-benzimidazole (Omeprazole Sulphide)	0	(+) 10	10
14	Indoline	0	(+) 5	5
15	2-n-BUTYL 4-CHLORO 5-FORMYL IMIDAZOLE (BCFI)	0	(+) 10	10
16	1 Flouro Naphthalene	0	(+) 5	5
17	5 - Cyano Phthalide	0	(+)10	10
18	2 Mercapto Benzimidazole	0	(+) 10	10
19	1-(4-methoxyphenyl)-4-(4-nitrophenyl)piperazine	0	(+) 10	10
20	Pantoprazole sodium Sisquihydrate	0	(+) 10	10
21	Omeprazole	0	(+) 15	15
22	Lansoprazole	0	(+) 10	10
23	Total	90	175	265
24	By-Product	-	-	-
25	Acetic Acid (100% basis)	10	(+) 12.5	22.5

26	Magnesium Nitrate Solution (100% basis)	0	(+)53.5	53.5
27	Sodium Sulphite (Na2SO3)	0	(+)19	19
28	Sodium Acetate	0	(+)85	85
29	Difluoromethyl Ether	0	(+) 2.9	2.9
30	Sodium Hydro Sulphide (NaHS 100%)	0	(+) 14	14
31	Total	10	186.9	196.9

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	2.5	3.5	6	(-) 1	(-) 1.5	2.5	1.5	2	3.5

Industrial Process	30	127.63	157.63	(-) 26	(+) 1	25	4	128.63	132.63
Cooling tower & thermopack	49	212.4	261.4	(-) 47	(-) 142.9	189.9	2	69.5	71.5
Gardening	1	17	18	(-) 1	(-) 17	18	0	0	0
Fresh water requirement	82.5	360.53	443.03	75	160.4	235.4	7.5	200.13	207.63

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-10 m
	Size and no of RWH tank(s) and Quantity:	1 No. - 6 m X 6 m = 36 Sq.m, Capacity – 100 CMD
	Location of the RWH tank(s):	UG water Tank – Near Bio-Bed
	Quantity of recharge pits:	Not applicable as collected water will be reused.
	Size of recharge pits :	Not applicable as collected water will be reused.
	Budgetary allocation (Capital cost) :	Rs. 225000/-
	Budgetary allocation (O & M cost) :	Rs. 5500/- per Annum
	Details of UGT tanks if any :	i) Methanol – 2 Nos. – 25 KL each ii) Water Tank – 1 No – 100 M3 iii) Water tank – 1 No – 57 M3 iv) Water tank – 1 No – 50 M3
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains will be provided as per natural slopes.
	Quantity of storm water:	252 m3/hr
	Size of SWD:	0.5 m X 0.5 m
Sewage and Waste water	**Sewage generation in KLD:**	3.5
	STP technology:	Domestic Sewage will be treated in combined 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:**	debris, scraps, excavated soil, used cement bags, iron / steel scrap and cardboards waste
	Disposal of the construction waste debris:	Excavated soil will be used for land filling.
Waste generation in the operation Phase:	**Dry waste:**	Non-Hazardous Waste: • Waste paper, Sweeping material, Etc.- 0.05 T/A , • Pallet – 1000 Nos./A , • Boiler Ash – 187.2 T/A
	Wet waste:	• Spent oil – 0.042 T/M • ETP Sludge+ MEE salts – 142.26 T/M • Spent Carbon from ETP – 18 T/M • Spent Carbon from process – 6 T/M • Process Residue – 110 T/M • Distillation residue – 5 T/M
	Hazardous waste:	• Spent oil – 0.042 T/M , • ETP Sludge+ MEE salts – 142.26 T/M , • Spent Carbon from ETP – 18 T/M , • Spent Carbon from process – 6 T/M , • Process Residue – 110 T/M , • Distillation residue – 5 T/M , • Discarded containers/barrels/HDPE bags & liners used for HW/Chemicals 417 nos./M
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	• E-Waste- 0.1 T/A , • Battery waste- 0.2 T/A
Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse
	Wet waste:	CHWTSDF
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Sale to authorized dismantlers / Recyclers.
Area requirement:	**Location(s):**	Manufacturing area and administration, raw material and finished goods storage area, Utility area, Parking area, Hazardous waste storage, Open space & internal roads, ETP, MEE & RO, Green belt area.
	Area for the storage of waste & other material:	• Raw material/ Finished Good Storage Area – 452.58 Sq.m • Hazardous Waste Storage Area – 81.84 Sq.m
	Area for machinery:	456.72 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in total capital cost
	O & M cost:	582.6204 Lacs/A

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	A) Multiple Effect Evaporator	-	-	-	-
2	Parameters	Unit	Inlet To MEE	Reject From RO	Outlet From MEE
3	Flow	M3/Day	50	77.7	153.24
4	pH	-	7-7.5	7-8	7-7.5
5	BOD3,27ºC	mg/L	23500-24000	150-200	4500-5000
6	COD	mg/L	50000-60000	450-500	10000-11000
7	TSS	mg/L	50-100	<100	50-100
8	TDS	mg/L	60000-80000	7500-8000	50-100
9	B) ETP Treatment	-	-	-	-

10	Parameters	Unit	Inlet To Primary	Inlet to Secondary	Inlet to Tertiary
11	Flow	M3/Day	154.13 (Low TDS 82.63 + Blowdown from Utility 71.5)	310.87 (Low TDS 154.13 + MEE Outlet 153.24 + Domestic 3.5)	310.87
12	pH	-	7-8	6-7	7-8
13	BOD3,27ºC	mg/L	2200-2500	3500-3800	50-100
14	COD	mg/L	5000-5500	7000-7500	650-700
15	TSS	mg/L	300-350	10-50	10-50
16	TDS	mg/L	3500-4000	1800-2000	1800-2000
17	C) Reverse Osmosis	-	-	-	-
18	Parameters	Unit	Inlet To RO	Permeate	Reject
19	Flow	M3/Day	310.87	233.2	77.7
20	pH	-	7-8	7-8	7-8
21	COD	mg/L	150-200	<100	450-500
22	TDS	mg/L	1800-2000	<100	7500-8000

Amount of effluent generation (CMD):	Industrial - 204.13 CMD , MEE Condensate – 25.54, Domestic – 3.5 CMD
Capacity of the ETP:	350 CMD
Amount of treated effluent recycled :	Total Water recycle 250.84 CMD= 233.2 CMD from RO permeate + 17.64 CMD from boiler steam condensate.
Amount of water send to the CETP:	Not Applicable as this unit will be run on Zero Liquid Discharge (ZLD) Basis.
Membership of CETP (if require):	Yes; Presently implementing ZLD unit so no effluent is sent to CETP
Note on ETP technology to be used	High TDS and high COD stream of 50 CMD is treated in MEE. MEE condensate along with low TDS and low COD stream is treated in conventional ETP of capacity 350 CMD. After secondary treatment the effluent is passed through Activated Carbon Filter (ACF) and Pressure Sand Filter (PSF) for tertiary treatment. The effluent is fed to RO of capacity 350 CMD. RO permeate is recycled for use in utilities whereas RO reject is fed to MEE In order to make it a ZLD scheme.
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	T/M	Nil	0.042	0.042	Sale to authorized dealer
2	ETP Sludge + MEE salts	35.3	T/M	0.26	142	142.26	To CHWTSDF
3	Spent Carbon from ETP	36.2	T/M	Nil	18	18	To CHWTSDF
4	Spent Carbon from process	28.3	T/M	Nil	6	6	To CHWTSDF
5	Process Residue	28.1	T/M	Nil	110	110	To CHWTSDF
6	Distillation residue	20.3	T/M	Nil	5	5	To CHWTSDF
7	Discarded containers/barrels/HDPE bags & liners used for HW/Chemicals	33.1	Nos./M	167 Nos.	250 Nos.	417 Nos.	Sale to authorized dismantlers / Recyclers.
8	Non-Hazardous Waste Details	-	-	-	-	-	-
9	Waste paper, Sweeping material, Etc.	-	MT/A	Nil	0.05	0.05	Sale to authorised recycler

10	Pallet	-	MT/A	Nil	1000 Nos	1000 Nos	Sale to authorised recycler
11	Boiler Ash	-	MT/A	31.2	156	187.2	Sale to Brick Manufacturer
12	Other waste	-	-	-	-	-	-
13	E-Waste	-	MT/A	0	0.1	0.1	Sale to authorized dismantlers/ Recyclers.
14	Battery waste	-	MT/A	0	0.2	0.2	Returned to battery manufacturer through authorized dealer on buy back procurement

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler - 1.5 TPH (Existing)	Imp. Coal – 2 TPD	01 Combined	30 m from ground	0.5	125 0C
2	Boiler -2 TPH (Proposed)	Imp. Coal – 6.4 TPD	01 Combined	30 m from ground	0.5	125 0C
3	DG Set – 160 KVA (Existing)	HSD- 25 lit./hr	1	3 m above enclosure	0.15	140 0C
4	DG Set – 160 KVA (Proposed)	HSD- 45 lit./hr	1	3 m above enclosure	0.15	140 0C
5	HCl Scrubber (Existing)	Water Media	1	5 m above Column	0.4	Ambient Temp.
6	Ammonia Scrubber (Proposed)	Water Media	1	5 m above Column	0.4	Ambient Temp.
7	H2S Scrubber (Proposed)	Aqueous Caustic Soda	1	5 m above Column	0.4	Ambient Temp.
8	Sulphur Dioxide Scrubber (Proposed)	Aqueous Caustic Soda	1	5 m above Column	0.4	Ambient Temp.
9	Note-	-	-	-	-	-
10	1) Existing boiler of 3 TPH will be replaced by proposed 2 TPH boiler	-	-	-	-	-
11	2) Combine stack for existing 1.5 TPH boiler and proposed 2 TPH boiler	-	-	-	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Imported Coal	2 TPD	6.4 TPD	8.4 TPD
2	HSD	25 lit/hr	45 lit/hr	70 Lit/hr
41.Source of Fuel		Local and imported		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	Existing: 125 sq. m, Proposed: 3493.23 sq. m, Total: 3618.23 sq. m
	No of trees to be cut :	Nil
	Number of trees to be planted :	540 No. of trees and shrubs
	List of proposed native trees :	Banyan, Pipal, Neem, Kadamb, etc.
	Timeline for completion of plantation :	Six Months after construction phase.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjun	35	Pollution resistant and Native
2	Bauhinia racemosa	Apta	30	Pollution resistant and Native
3	Ficus benghalensis	Banyan	50	Pollution resistant and Native
4	Ficus religiosa	Pimpal	45	Pollution resistant and Native
5	Cassia fistula	Amaltas	50	Pollution resistant and Native
6	Azadirachta indica	Kaduneem	35	Pollution resistant and Native
7	Plumeria alba	Chafa	30	Pollution resistant and Native
8	Neolamarckia cadamba	Kadamb	35	Pollution resistant and Native
9	Teminalia tomentosa	Ain	25	Pollution resistant and Native
10	Lagerstroemia speciosa	Taman	30	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	35	Pollution resistant and Native
12	Lantana camara	Ghaneri	35	Pollution resistant and Native
13	Calatropis gigentia	Rui	30	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	35	Pollution resistant and Native
15	Nerium indicum	Kanher	40	Pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	400 KW
	During Operation phase (Demand load):	300 KW
	Transformer:	400 KVA
	DG set as Power back-up during operation phase:	Existing : 1 DG set – 160 KVA and Proposed: 1 DG set – 160 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension lines are passing through the plot

48.Energy saving by non-conventional method:

Nil

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	Multiple cyclone separators, Stack of adequate height and scrubbers	Multiple cyclone separators, wet scrubber, Stack of adequate height and scrubbers
Water	MEE and ETP	MEE, ETP & RO
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Disposal to CHWTSDF	Disposal to CHWTSDF

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	Dust	Air Pollution	1.0
2	Debris	Solid Waste	1.0
3	Construction equipment	Noise Pollution	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Provision of Stacks for heating units, Scrubbers	6	0.25
2	Water pollution control	Effluent Treatment Plant RO Plant, Evaporator Waste minimization of effluent recycle	521	702.72
3	Noise pollution Control	Acoustic encl./ Ant vibration pads	1	1
4	Occupational health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	4	3
5	Environmental Monitoring budget	Environmental Monitoring	-	6.96
6	Green belt	-	3	0.5
7	Total	-	535	714.43

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
Ortho Anisidine	Liquid	Raw Materials storage area	27	27	55	Imported	Sea & Road
Para Anisidine	Solid	Raw Materials storage area	10	10	20	Imported	Sea & Road
Para Toluidine	Solid	Raw Materials storage area	5	5	10	Imported	Sea & Road
Paracetamol	Solid	Raw Materials storage area	2.5	2.5	5.5	Local	Road
Freon 22	Gas	Raw Materials storage area	1.2	1.2	4.65	Local	Road
3 Hydroxy 2 Methyl Pyrone	Solid	Raw Materials storage area	5	5	11	Imported	Sea & Road
4-Nitro-3,5 Lutidine N- Oxide	Solid	Raw Materials storage area	5	5	5	Local	Road
5-Difluoromethoxy 2-Mercapto- Benzimidazole	Solid	Raw Materials storage area	2	2	11	Local	Road
2 Chloromethyl 3,4 Dimethoxy Pyridine.	Solid	Raw Materials storage area	2	2	12	Local	Road
5-Methoxy-2-Mercapto-1H-Benzimidazole	Solid	Raw Materials storage area	3	3	13.5	Local	Road
2-Chloromethyl-4-methoxy-3,5-dimethylpyridine hydrochloride	Solid	Raw Materials storage area	2	2	7	Local	Road
Ortho Chloro Phenyl Ethyl Amine	Liquid	Raw Materials storage area	1	1	7.3	Imported	Sea & Road
Amino Naphthalene	Solid	Raw Materials storage area	2.5	2.5	5	Imported	Sea & Road
Ortho Phenylene Diamine	Solid	Raw Materials storage area	5	5	25	Local	Road
Valleronitrile	Liquid	Raw Materials storage area	2	2	4	Local	Road
Glycine	Liquid	Raw Materials storage area	1	1	4	Local	Road

5 Carboxy Phthalide	Solid	Raw Materials storage area	5	5	16	Local	Road
Bis(2 Chloro Ethyl) Amine. HCL	Solid	Raw Materials storage area	2.5	2.5	18	Local	Road
N. Butanol	Liquid	Raw Materials storage area	1	1	25	Local	Road
Para Nitro Chloro Benzene	Solid	Raw Materials storage area	2	2	6	Local	Road
Fluoro Boric Acid	Solid	Raw Materials storage area	1	1	3	Local	Road
Hydrogen Peroxide	Liquid	Raw Materials storage area	1.4	1.4	12	Local	Road
Sodium Hypo Chlorite Solution	Liquid	Raw Materials storage area	2	2	10	Local	Road
2{((3,4 Dimethoxy-2-pyridinyl)-Methyl)-thio}-5 Diflouromethoxy - Benzimidazole	Solid	Raw Materials storage area	3	3	10	Local	Road
5 Methoxy-2{((3,5 Dimethyl-4Methoxy—2-pyridinyl)-Methyl)-thio} - Benzimidazole	Solid	Raw Materials storage area	3	3	16	Local	Road
2-[3-Methyl-4-(2,2,2-trifluoroethoxy)-2pyridinyl]methylthio-1H-benzimidazole	Solid	Raw Materials storage area	3	3	10	Local	Road
Acetic Anhydride	Liquid	Raw Materials storage area	2	2	17.3	Local	Road
Acetic Acid	Liquid	Raw Materials storage area	16	16	53	Local	Road
Carbon Disulphide	Liquid	Raw Materials storage area	4	4	15.2	Local	Road
Caustic Soda Lye / Flakes	Liquid	Raw Materials storage area	20	20	133	Local	Road
Sulphuric Acid	Liquid	Raw Materials storage area	10	10	20	Local	Road
Nitric Acid	Liquid	Raw Materials storage area	10	10	88	Local	Road
Hydrochloric Acid	Liquid	Raw Materials storage area	2	2	11.5	Local	Road
Dimethyl Sulphate	Liquid	Raw Materials storage area	2	2	15.2	Local	Road
Thionyl Chloride	Liquid	Raw Materials storage area	1	1	27.2	Local	Road
Phosphorus Oxo Chloride	Liquid	Raw Materials storage area	1	1	25.1	Local	Road
Sodium Nitrite	Solid	Raw Materials storage area	0.15	0.15	1.2	Local	Road
Sodium Hydro Sulphide (NaHS)	Liquid	Raw Materials storage area	15	15	19	Local	Road
Urea	Solid	Raw Materials storage area	3	3	9.3	Local	Road
Potassium Hydroxide	Solid	Raw Materials storage area	3	3	9	Local	Road
Ammonium Hydroxide	Liquid	Raw Materials storage area	2	2	11.3	Local	Road
Ammonium carbonate	Solid	Raw Materials storage area	1	1	3.5	Local	Road
Sodium methoxide	Solid	Raw Materials storage area	2	2	8	Local	Road
Solvents	-	-	-	-	-	-	-
Di Chloro Methane	Liquid	Tank Farm	10	10	10	Local	Road
Toluene	Liquid	Tank Farm	10	10	10	Local	Road
Acetonitrile	Liquid	Tank Farm	2	2	5	Local	Road
Methanol	Liquid	Class A Storage area	10	10	20	Local	Road
ODCB	Liquid	Tank Farm	1	1	2	Local	Road
Ethylene Dichloride	Liquid	Tank Farm	2	2	5	Local	Road
Dimethyl Formamide	Liquid	Tank Farm	2	2	5	Local	Road
Acetone	Liquid	Tank Farm	2	2	5	Local	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:	1322.5 Sq.m.
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such area within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	5 (f) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-03-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

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

DECISION OF SEAC

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

PP to submit prefeasibility report for the propsoed expansion.

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc.
3) PP to submit copy of Structural Stability Certificate of the structures exists on the site.
4) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site. PP to submit an undertaking for not violating any requirements of EIA Notification, 2006.
5) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
6) PP to look into the efficiency of the process with respect to the equipment capacity; PP to submit data in this regard.
7) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc
8) PP to ensure to use imported coal with less than 6% ash content and 0.48% sulphur content.
9) PP to carry out HAZOP and Risk Assessment study and submit Disaster Management Plan.
10) PP to submit hazardous chemical handling protocol.
11) PP to submit drawings, cross sectional drawings of the manufacturing units, equipment layout plan along with report on adequacy of the existing space for the expansion activities.
12) PP to include highlights of chemistry involved in the process in the EIA report.
13) PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.
14) PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.
15) PP to use solar power of administrative building and street lights.
16) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
17) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

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.

151st Meeting of State Level Expert Appraisal Committee (SEAC-I)

SEAC Meeting number: 151st (Day-2) **Meeting Date** May 24, 2018

Subject: Environment Clearance for proposed expansion project for manufacturing of dye intermediate by Multi Organics Pvt. Ltd., at Plot No. A-1, MIDC Industrial Area, Ghuggus Road, Padoli, Taluka & District Chandrapur, Maharashtra 442 406

Is a Violation Case: Yes

1.Name of Project	Proposed expansion project for manufacturing of dye intermediate Multi Organics Pvt. Ltd. at Plot No. A-1, MIDC Industrial Area, Ghuggus Road, Padoli, Taluka & District Chandrapur, Maharashtra 442 406.
2.Type of institution	Private
3.Name of Project Proponent	Multi Organics Pvt. Ltd.
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial – Manufacturing of Dye Intermediate
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. A-1, MIDC Padoli, Chandrapur, Maharashtra
9.Taluka	Chandrapur
10.Village	Chinchala
Correspondence Name:	Abhijeet B. Birewar
Room Number:	503
Floor:	NA
Building Name:	Keshava, Bandra-Kurla Complex,
Road/Street Name:	NA
Locality:	Bandra
City:	Mumbai
11.Area of the project	MIDC, Chandrapur
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 20235
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.)	20235
16.Deductions	NA
17.Net Plot area	20235
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20235
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 20235
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 13-04-2018
19.Total ground coverage (m2)	20235
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	496720000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Beta Naphthol	525	375	900
2	Alpha Naphthol	100	150	250
3	1-Fluoronaphthalene	25	25	50
4	Total	650	550	1200
5	By-Product	-	-	-
6	Sodium Sulphate	500	400	900
7	Sodium Sulphite	725	600	1325
8	Tar	90	70	160
9	Calcium Sulphate	185	80	265
10	Total	1500	1150	2650

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	40	10	50	08	02	10	32	08	40
Industrial Process	115	100	215	106	94	200	09	6	15
Cooling tower & thermopack	285	240	525	264	230	494	21	10	31

Fresh water requirement	440	350	790	378	326	704	62	24	86

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 to 10 m
	Size and no of RWH tank(s) and Quantity:	Tank of 5 m3
	Location of the RWH tank(s):	Near stores building and admin office building
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected rain water will be reused.
	Budgetary allocation (Capital cost) :	03 lac.
	Budgetary allocation (O & M cost) :	Rs. 0.5 lac./ annum
	Details of UGT tanks if any :	Not Available
35.Storm water drainage	**Natural water drainage pattern:**	As per slope available at project site
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	40
	STP technology:	Proposed STP
	Capacity of STP (CMD):	60
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Boiler Ash about 31 T/D
	Wet waste:	Used Oil = 40.0 LPM • FSR Ash = 0.30 TPD • Chemical Sludge from ETP =0.20 TPD • Spent carbon from ETP = 0.05 TPD
	Hazardous waste:	Used Oil = 40.0 LPM • FSR Ash = 0.30 TPD • Chemical Sludge from ETP =0.20 TPD • Spent carbon from ETP = 0.05 TPD
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	STP Sludge will be used for gardening
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Send to Brick manufacturers & land filling
	Wet waste:	CHWTSDF, Sale to registered reprocessor
	Hazardous waste:	CHWTSDF, Sale to registered reprocessor
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Plant Area, Raw material storage area, Finished Goods storage, Office Building, Utility area, Parking area, Hazardous waste storage, Open space & internal roads, ETP, MEE & RO, Green belt area
	Area for the storage of waste & other material:	1400.00 m2
	Area for machinery:	2743.43 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in capital cost
	O & M cost:	Rs. 10 lacs./year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	8.0 to 9.5	Not Applicable as project is ZLD	ot Applicable as project is ZLD
2	COD	mg/lit	1500	Not Applicable as project is ZLD	ot Applicable as project is ZLD
3	BOD (3 days 27° C)	mg/lit	700	Not Applicable as project is ZLD	ot Applicable as project is ZLD
4	TSS	mg/lit	300	Not Applicable as project is ZLD	ot Applicable as project is ZLD
5	Oil & Grease	mg/lit	10	Not Applicable as project is ZLD	ot Applicable as project is ZLD

Amount of effluent generation (CMD):	46.0 CMD
Capacity of the ETP:	100.0 CMD
Amount of treated effluent recycled :	46.0 CMD
Amount of water send to the CETP:	Not Applicable as this unit will be run as Zero Liquid Discharge (ZLD) Unit
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Effluent from process having high TDS will treat in MEE, and low TDS will treat in ETP & RO permeate will be recycle and reuse and RO reject will be treated in MEE. Thus, unit will be Complete ZLD unit.
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from ETP	35.3	TPD	0.10	0.10	0.20	CHWTSDF
2	FSR Ash	26.2	TPD	0.15	0.15	0.30	CHWTSDF
3	Used Oil	5.1	LPM	25.00	15.00	40.00	Sale to registered reprocessor

4	Spent carbon from ETP	36.2	TPD	00.00	0.05	0.05	CHWTSDF
5	Non-Hazardous Waste	-	-	-	-	-	-
6	Discarded drums and containers	-	Kg/M	0	100	100	Recycler / sell to approved vendor
7	Polyethylene Bags	-	Kg/M	0	1000	1000	Reused for byproducts & hazardous waste packing / sell to approved vendor
8	Paper Bag	-	Kg/M	0	10	10	Recycler / sell to approved vendor
9	Light density polyethylene bag	-	Kg/M	0	100	100	Recycler / sell to approved vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler- 1 (4 TPH) (Existing, Stand by)	Coal/Biofuel/Briquettes/ Bagas-	01	27 m.	0.65 m	160 0C
2	Boiler – 2 (4.5 TPH) (Existing, Stand by)	Coal/Biofuel/Briquettes/ Bagas	01	27 m.	0.65 m	160 0C
3	Boiler – 3 (4 TPH) (Existing)	Coal/Biofuel/Briquettes/ Bagas	01	27 m.	0.65 m	160 0C
4	Boiler – 4 (9 TPH) (Existing)	Coal/Biofuel/Briquettes/ Bagas	01	30 m.	1.1 m	160 0C
5	8 Lac Kcal/hr (Existing)	FO/LDO/ HSD	01	27 m.	0.6 m	160 0C
6	6 Lac Kcal/hr (Existing)	FO/LDO/ HSD	01	16m	0.5 m	160 0C
7	15 Lac Kcal/hr (Existing)	FO/LDO/ HSD	01	27m	0.65 m	160 0C
8	D G Sets 320 KVA (Existing)	HSD, 87 lit./hr.	01	9m	-	-
9	D G Sets 100 KVA (Existing)	HSD, 28 lit./hr.	01	6.5m	-	-
10	FSR (Existing)	FO/LDO/ HSD	01	27m	0.45 m	90 0C
11	Boiler – 5 (20 TPH) (Proposed)	Coal/Biofuel/Briquettes/ Bagas	01	42m	1.2 m	160 0C
12	10 Lac Kcal/hr (Proposed)	Coal/Biofuel/Briquettes/ Bagas	01	31m	0.65 m	160 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal/Biofuel/ Briquettes/ Bagas	4345 Kg/hr	3205 Kg/hr	7600 Kg/hr
2	FO/LDO/ HSD	150 Kg/hr	00	150 Kg/hr
3	HSD for DG Set	115 lit./hr	00	115 lit./hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	6677.55 m2
	No of trees to be cut :	Trees are not available at project side
	Number of trees to be planted :	550.00 nos.
	List of proposed native trees :	Terminaliaarjuna (Arjun), Bauhinia racemosa(Apta), Ficusbenghalensis(Vad), Ficusreligiosa(Pimpal), Polyalthialongifolia(Ashok), Azadirachtaindica(Kaduneem), Cassia fistula (Bahava), Neolamarckiacadamba(Kadamb), Teminaliatomentosa(Ain), Lagerstroemia speciosa(Taman), Bougainvillea spectabilis(Bouganvel), Lantana camara(Ghaneri), Calatropisgigentia(Rui), Hibiscus rosasinensis(Jaswand), Neriumindicum(Kanher)
	Timeline for completion of plantation :	5 Years.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjun	75	Pollution resistant and Native
2	Bauhinia racemosa	Apta	20	Pollution resistant and Native
3	Ficus benghalensis	Vad	20	Pollution resistant and Native
4	Ficus religiosa	Pimpal	75	Pollution resistant and Native
5	Polyalthia longifolia	Ashok	20	Pollution resistant and Native
6	Azadirachta indica	Kaduneem	25	Pollution resistant and Native
7	Cassia fistula	Bahava	20	Pollution resistant and Native
8	Neolamarckia cadamba	Kadamb	75	Pollution resistant and Native
9	Teminalia tomentosa	Ain	25	Pollution resistant and Native
10	Lagerstroemia speciosa	Taman	30	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	50	Pollution resistant and Native
12	Lantana camara	Ghaneri	20	Pollution resistant and Native
13	Calatropis gigentia	Rui	25	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	50	Pollution resistant and Native
15	Nerium indicum	Kanher	20	Pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	3000 KVA
	During Operation phase (Demand load):	2550 KVA
	Transformer:	2500 KVA
	DG set as Power back-up during operation phase:	320 KVA (1 no.) & 100 KVA (1 no.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension line is passing through the plot

48.Energy saving by non-conventional method:

NIL

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	tack of adequate height, multiple cyclone separators, Bag filter	Stack of adequate height, multiple cyclone separators, Bag filter
Water	MEE, ETP & RO	MEE, ETP & RO
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Disposal to CHWTSDF	Disposal to CHWTSDF

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust	Air Pollution	12.0
2	Debris	Solid Waste	5.0
3	Construction motor	Noise Pollution	3.0

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 pollution control	Provision of stacks of height as per CPCB, multiple cyclone separators, Bag filter	100	3
2	Water pollution control	MEE, ETP & RO operation cost, Rain water harvesting	500	200
3	Noise pollution Control	Acoustic enclosure/Ant vibration pads	10	1
4	Environment Monitoring budget	Environment Monitoring	30	8
5	Occupational health care	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities consumables, Control of fugitive emissions	5	10
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	5	12
7	Green belt	Development & Maintenance	5	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
Naphthalene	Solid	Godown	2000	2000	1500	Imported/Local	Road
Sulphuric Acid	Liquid	tank	175	170	1800	Local	Road
Caustic Soda Lye	Liquid	tank	30	25	300	Local	Road
Caustic Soda Flakes	Solid	Godown	500	400	1000	Local	Road
Lime Power	Solid	Godown	50	50	100	Local	Road
1-naphthalamine	Solid	Godown	50	50	100	Local	Road
NaNo2	Solid	Godown	10	10	50	Local	Road
NaBF4	Solid	Godown	50	50	100	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	1665
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No Protected area within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	5(f) B1
	Court cases pending if any	NA
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their application for grnat of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018,

PP applied for the grant of ToR to the MoEF&CC on 13.04.2018 and SEIAA vide Unique ID No1262.. on 13th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited cosultant, it was observed that PP was not having adequate information to present to the committee.

Hence deferred.

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