149th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 149th Day-2 **Meeting Date** April 3, 2018

Subject: Environment Clearance for Installation of Sponge Iron Pant of capacity 190 TPD, Captive Power Plant (4 MW WHRB) and 90,000 TPA Iron ore Beneficiation Plant.

Is a Violation Case: No

1.Name of Project	Installation of Sponge Iron Pant of capacity 190 TPD, Captive Power Plant (4 MW WHRB) and 90,000 TPA Iron ore Beneficiation Plant.
2.Type of institution	Private
3.Name of Project Proponent	Lloyds Metals and Energy Limited
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	MIDC Konsari
9.Taluka	Chamorshi
10.Village	Konsari
Correspondence Name:	Lloyds Metals and Energy Limited
Room Number:	Plot No. A-1,A-2,
Floor:	NA
Building Name:	NA
Road/Street Name:	MIDC Industrial Area, Ghugus
Locality:	Ghugus
City:	Ghugus
11.Area of the project	MIDC Konsari.
12.IOD/IOA/Concession/Plan Approval Number	The land has been leased out by MIDC to M/s Lloyds Metals and Energy Limited
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 20000
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC will approve the plan
15.Total Plot Area (sq. m.)	113 Acre. 30 acre will be utilized for present proposal.
16.Deductions	as per MIDC rule
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.): 20000
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	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sponge Iron with WHRB Shed, Beneficiation Shed	2	15

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	60 no. direct employment and 40 indirect employment
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 6 m.
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sponge Iron	Nil	4750	4750
2	WHRB Based Power	Nil	50 MW	50 MW
3	Iron ore beneficiation	Nil	7500	7500

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	257
	Recycled water - Flushing (CMD):	2
	Recycled water - Gardening (CMD):	4
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	257
	Fire fighting - Underground water tank(CMD):	25
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	257
	Recycled water - Flushing (CMD):	2
	Recycled water - Gardening (CMD):	4
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	257
	Fire fighting - Underground water tank(CMD):	25
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	10	10	0	2	2	0	8	8
Industrial Process	0	247	247	0	220	220	0	27	27
Gardening	0	4	4	0	4	4	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report
	Location of the RWH tank(s):	Will be elaborated in final EIA report
	Quantity of recharge pits:	5 nos
	Size of recharge pits :	3m X 3m X 3m Depth
	Budgetary allocation (Capital cost) :	Rs.150000/-
	Budgetary allocation (O & M cost) :	Rs. 10000/- per annum
	Details of UGT tanks if any :	Under ground water tank will be provided for fire fighting as per norms
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	**Sewage generation in KLD:**	8 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 No. Packaged type STP of 12 KLD Capacity
	Location & area of the STP:	With in the Plot Area
	Budgetary allocation (Capital cost):	Rs. 25 Lacs
	Budgetary allocation (O & M cost):	Rs. 2.0 Lacs/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	Dolachar , Tailing & Fly Ash
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	Na
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Tailing generated from Iron Ore beneficiation plant shall be sold to bricks/tiles manufacturer. Dolachar generated from sponge iron plant will be sold to power plant. Fly ash will be sold to brick manufacturers.
	Wet waste:	NA
	Hazardous waste:	Used oil will be sold to MPCB Authorized vendor.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	With in the plant
	Area for the storage of waste & other material:	About 2000 sq. m. will be reserved for storing slag, tail cutting and fly ash
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA

Amount of effluent generation (CMD):	27
Capacity of the ETP:	30
Amount of treated effluent recycled :	27
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	NA
Note on ETP technology to be used	Thickner followed by Filter press
Disposal of the ETP sludge	Blend with the final product

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	NA	NA	NA	NA	NA	Secondary use and sale to recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Rotary Kiln	Coal , 228 TPD	1	65	2.0	50°C
2	Coal Crusher	--	1	22	--	--
3	Product House	--	1	20	--	--
4	Iron Ore Crusher	--	1	22	--	--
5	Day bin Product Junction House	--	1	22	--	--
6	Cooler Discharge	--	1	22	--	--
7	Junction House	--	1	22	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	Nil	228 TPD	228 TPD
41.Source of Fuel		WCL Mines and open market		
42.Mode of Transportation of fuel to site		Coal by tarpaulin covered trucks		

43.Green Belt Development	**Total RG area :**	33 % of 30 acres
	No of trees to be cut :	None
	Number of trees to be planted :	1400
	List of proposed native trees :	Ashoka, Neem, Nandruk, Palash, Gulmohar, Mango.
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Asoca	Ashoka	200	Shady tree , deciduous
2	Azardirachta indica	Neem	300	Large tree, good for roadside plantation
3	Ficus retusas	Nandruk	200	Shady green, good for roadside plantation.
4	Mangifera indica	Mango	200	Large fruit bearing tree, long-lived tree.
5	Butea monosperma	Palash	300	Medium sized deciduous tree. beautiful flowers tree
6	Delonix regia	Gulmohar	200	Deciduous, large tree with beautiful flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Electricity from State Electricity Board
	During Construction Phase: (Demand Load)	Maximum 100 KVA
	DG set as Power back-up during construction phase	Nil
	During Operation phase (Connected load):	4 MW
	During Operation phase (Demand load):	3 MW
	Transformer:	Yes
	DG set as Power back-up during operation phase:	Nil
	Fuel used:	Coal and Electricity in entire process coal is main fuel.
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

For Energy Saving Measures Solar Panel will be installed in internal road

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
Rotary Kiln	None	ESP, Bagfilter

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 500000/-
	O & M cost:	Rs. 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	Air Pollution Control	PM	Rs.5.0 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	ESP, Bag filters	Rs.1000 Lacs	Rs.100 Lacs
2	Water Pollution Control	STP & ETP	Rs.25 lac and Rs.100 Lac	Rs.2 lac and Rs.10 Lac
3	Solid Waste Management	Handling and Disposing	Rs.10 lac	Rs.3 lac

4	Green Belt	Plantation	Rs.5 Lac	Rs.0.5 Lac
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels; Soil quality	Rs.100 Lac	Rs.5.0 Lac

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The said plot is in MIDC area. The width of front of MIDC road is 20 Mtr
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2000 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:	25 to 30 trucks/day will be operated after commission of proposed unit for transportation of raw material and finished product
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

	Category as per schedule of EIA Notification sheet	3(a)
	Court cases pending if any	No
	Other Relevant Informations	Application for TOR
	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 as application is for TOR
Water Budget	Not Applicable as application is for TOR
Waste Water Treatment	Not Applicable as application is for TOR
Drainage pattern of the project	Not Applicable as application is for TOR
Ground water parameters	Not Applicable as application is for TOR
Solid Waste Management	Not Applicable as application is for TOR
Air Quality & Noise Level issues	Not Applicable as application is for TOR
Energy Management	Not Applicable as application is for TOR
Traffic circulation system and risk assessment	Not Applicable as application is for TOR
Landscape Plan	Not Applicable as application is for TOR
Disaster management system and risk assessment	Not Applicable as application is for TOR
Socioeconomic impact assessment	Not Applicable as application is for TOR
Environmental Management Plan	Not Applicable as application is for TOR
Any other issues related to environmental sustainability	Not Applicable as application is for TOR

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(a)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

Public Hearing is applicable.

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 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 and memorandum of association.
2) PP to submit lay out plan showing entry/exit gates, internal road of minimum width six meters and turning radius of nine meters, location of all pollution control equipment, solid waste storage areas, parking areas, 33% green belt, rain water harvesting etc.
3) PP to include details of generation of solid waste like slag, ash etc., its storage and disposal mechanism in the EIA report.
4) PP to carry out life cycle analysis of the activities proposed on site with respect to the sustainability index, green house and ozone depletion potential, mass energy balance calculation etc.
5) PP to carry out Risk Assessment and submit Disaster Management Plan.
6) PP to submit details of CSR plan prepared in consultation with district authorities along with its time bound implementation schedule. PP to maintain separate account for CSR funds.
7) PP to submit copy of water permission from competent authority.
8) PP to submit undertaking for not having any eco sensitive areas with the 5 KM of project site as per EIA Notification, 2006 amended from time to time.
9) PP to explore the possibility to use impurities like SiO2 and Al2O3 for manufacturing of Alluminium Silicate.
10) PP to carry out vegetation mapping on the site and obtain permission from competent authority for tree removal . In case any tree removal is required, PP to use transplanting methodology.
11) PP to carry out environmental impact proposed activity on the surrounding agricultural crops and vegetation and provide mitigation measures.
12) PP to explore possibility to reduce flue gas temperature up to ambient air temperature using appropriate technology and include the same in the EIA report.
13) PP to submit undertaking for providing Zero Liquid Discharge ETP.

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.

149th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 149th Day-2 **Meeting Date** April 3, 2018

Subject: Environment Clearance for Manufacturing of M.S Billets, TMT Bars, Structure (Angel Channel), Slabs, Bloom, Missrolls, and allied steels products, Proposed production 505000 TPA at Gut No.14, Village – Khupri, Tahsil – Wada, District – Palghar, Maharashtra.

Is a Violation Case: No

1.Name of Project	M/s. Regency Ispat Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Subhash S. Khairari
4.Name of Consultant	Pollution & Ecology Control Services, Nagpur
5.Type of project	Other
6.New project/expansion in existing project/modernization/diversification in existing project	New Project/Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not required
8.Location of the project	Gut No. 14, Bharat Fertilizer Road.
9.Taluka	Wada
10.Village	Khupri - 421 303
Correspondence Name:	Subhash S Khairari
Room Number:	112,
Floor:	1st Floor,
Building Name:	Anil Complex, Regency Hall,
Road/Street Name:	New Link Road
Locality:	Ulhasnagar
City:	Ulhasnagar - 421 003
11.Area of the project	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 15000
13.Note on the initiated work (If applicable)	3500 sq meters shed is existing
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	43000 Sq. Mt.
16.Deductions	NA
17.Net Plot area	43000 Sq. Mt.
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.): 15000
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	1800000000

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)	15 m. Tar road is existing attached to 20 m. SH.
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	3500 sq meters shed is existing
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	M.S. Billets, TMT Bars, Structure (Angel Channel) ,Slabs, Bloom, Missrolls, and allied products	105000	400000	505000

32.Total Water Requirement

Dry season:	**Source of water**	Bore well
	Fresh water (CMD):	25
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	19
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	115
	Fire fighting - Underground water tank(CMD):	---
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	Bore Well
	Fresh water (CMD):	25
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	19
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	115
	Fire fighting - Underground water tank(CMD):	---
	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	5	20	25	1	5	6	4	15	19
Industrial Process	30	80	110	25	65	90	5	15	20
Gardening	3	14	17	3	14	17	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre Monsoon 2.0-5.0 bgl , Post Monsoon 1.5-4.00 bgl.
	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report.
	Location of the RWH tank(s):	Will be elaborated in final EIA report.
	Quantity of recharge pits:	8 Nos of Recharge pits shall be made.
	Size of recharge pits :	2 x 1.5 x 2 m.
	Budgetary allocation (Capital cost) :	---
	Budgetary allocation (O & M cost) :	---
	Details of UGT tanks if any :	An underground tank will be constructed if required.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report.
	Size of SWD:	Will be elaborated in final EIA report.
Sewage and Waste water	**Sewage generation in KLD:**	19
	STP technology:	MBBR Package Type STP shall be provided
	Capacity of STP (CMD):	1 No. & 20 KLD Capacity
	Location & area of the STP:	With in Plant Premises
	Budgetary allocation (Capital cost):	Rs. 25.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 2.00 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Waste Derbis
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	Slag , Tail cuttings & Fly Ash
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Slag will be used for Hardening of working area, internal road, brick manufacturers, Concreting and Tail Cuttings will be recycled and reused in the Induction Furnace. Fly ash will be sold to brick manufacturer.
	Wet waste:	NA
	Hazardous waste:	Used oil will be sold to authorized recycler vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Within a Plant Boundary
	Area for the storage of waste & other material:	About 600 - 700 sq. m. will be reserved for storing slag, tail cutting and fly ash.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	--
	O & M cost:	--

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA

Amount of effluent generation (CMD):	20
Capacity of the ETP:	25
Amount of treated effluent recycled :	20
Amount of water send to the CETP:	00
Membership of CETP (if require):	NA
Note on ETP technology to be used	Settling tank will be constructed for treatment of waste water
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.2	MT/y	3	0	3	Secondary use and sale to authorized recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Induction Furnace	Coal	1	30	1.5	100 Degree C
2	Reheating Furnace	Coal	1	39	1.5	100 Degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	4 TPD	16 TPD	20 TPD

41.Source of Fuel	Electricity from State Electricity Board and Coal from local suppliers
42.Mode of Transportation of fuel to site	Electricity form transmission line and Coal by tarpaulin covered trucks.

43.Green Belt Development	**Total RG area :**	33 % of the total Plot Area
	No of trees to be cut :	None
	Number of trees to be planted :	Till date 500 noss. trees are planted and 1500 nos. of plant to be planted
	List of proposed native trees :	Ashoka, Neem, Nandruk, Palash, Gulmohar, Mango.
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Asoca	Ashoka	400	Shady tree , deciduous
2	Azardirachta indica	Neem	200	Large tree, good for roadside plantation.
3	Ficus retusa	Nandruk	200	Shady green, good for roadside plantation.
4	Butea monosperma	Palash	200	Medium sized deciduous tree. beautiful flowers tree
5	Delonix regia	Gulmohar	300	Deciduous, large tree with beautiful flowers
6	Mangifera indica	Mango	200	large tree, long-lived tree.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Electricity from State Electricity Board
	During Construction Phase: (Demand Load)	Maximum 100 KVA
	DG set as Power back-up during construction phase	Nil
	During Operation phase (Connected load):	60 MV
	During Operation phase (Demand load):	50 MV
	Transformer:	NA
	DG set as Power back-up during operation phase:	500 KVA and 150 KVA
	Fuel used:	Electricity and coal
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Induction furnace, Reheating Furnace, vehicular movement	Bagfilter, Stack.	Bagfilter, Stack.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution	Particulate matter	Rs.1.5 lacs

b) Operation Phase (with Break-up):

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

1	Air Pollution Control	Bag Filter, Water Sprinkler System, Stack	Rs. 100 lacs	Rs. 8 Lacs
2	Water Pollution Control	STP & ETP	Rs. 25 Lacs and Rs. 10 Lacs	Rs. 2 Lacs & Rs. 1 Lac
3	Solid Waste Management	Slag Crusher, Handling and Disposing	Rs.20 Lacs	Rs.4 Lacs
4	Greenbelt	Plantation	Rs.7 lacs	Rs.1 lac
5	Environmental Monitoring	Air quality, Water and Wastewater Quality, Noise levels, Soil quality	--	Rs. 5 Lacs

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The proposed is located about 200 m away form SH-6 of 20 m. width.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	5000 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:	35 to 40 trucks.day will be operated after commissioning of proposed unit for transportation of raw material and finished product.
	Width of all Internal roads (m):	NA

	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	3(a)
	Court cases pending if any	NA
	Other Relevant Informations	Application for the TOR
	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 3(a)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

As per the information submittd by the PP, it is observed that the proposed project is situated at a distance of 1.18 KM from the proposed boundary of Ecosensitive Zone of Tansa Wild Life Sanctury as per Draft Notification No. S.O. 2566 (E) dated 10.08.2017.

SEAC-1 is of the view that the proposed project falls under category 3(a) "A" of the Schedule attached to EIA Notification, 2006 amended from time to time in which general condition is applicable to this project.

The general condition is reproduced below for ready reference,

" ***Any project or activity specified in Category 'B' will be treated as Category A, if located in whole or part within 5 KM from the boundary of : (i) Protected areas notified under the Wild LIfe (Protection) Act, 1972. (ii) Critically Pollluted Areas as notified by the CPCB. (iii) Notified Eco Sensitive Areas (iv) Inter State Boundaries and international boundaries.***"

In view of above, general condition is applicable to this project as per EIA Notification and therefore project will have to be treated as category "A".

SEAC decided to seek the guidance in this regard from the SEIAA.

Hence the proposal is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Subject: Environment Clearance for Installation of Induction Furnace to manufacture ingots, Billets etc.-18000 MT/month Rolling Mill for hot rolled Long Products TMT 18000 MT/month and Ferro Alloys 6000 MT/month (SAF)

Is a Violation Case: No

1.Name of Project	Installation of Induction Furnace to manufacture ingots, Billets etc.-18000 MT/month Rolling Mill for hot rolled Long Products TMT 18000 MT/month and Ferro Alloys 6000 MT/month (SAF)
2.Type of institution	Private
3.Name of Project Proponent	M/s Grace Industries Limited.
4.Name of Consultant	Pollution & Ecology Control Services
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	A – 30, A – 24
9.Taluka	Chandrapur
10.Village	Tadali
Correspondence Name:	Mr. Ajay Agrawal
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	9, Imambada Road
Locality:	NA
City:	Nagpur
11.Area of the project	Tadali Growth Centre MIDC
12.IOD/IOA/Concession/Plan Approval Number	The land has been leased out by MIDC to M/s Grace Industries
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 58000
13.Note on the initiated work (If applicable)	Not Applicable, work will be initiated after receipt of Environmental Clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	A 30 - 172762 sq mt, A 24 - 83195 sq mt, Total - 255957 sq mt
16.Deductions	630.00 sq mt
17.Net Plot area	255327 sq mt
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.): 58000
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	887500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Industrial shed area	NA	20

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	About 300 no. of users including workers & staff.
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m. MIDC road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Will be minimum 6 mt.
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Ingots, Billets	None	18000	18000
2	Long Products and TMT material	None	18000	18000
3	Ferro Alloys	None	6000	6000

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	179
	Recycled water - Flushing (CMD):	6
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	260
	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
	Fresh water (CMD):	179
	Recycled water - Flushing (CMD):	6
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	252
	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	-	14	14	-	3	3	-	11	11
Industrial Process	-	98	98	-	68	68	-	30	30
Cooling tower & thermopack	-	140	140	-	140	140	-	0	0
Gardening	-	8	8	-	8	8	-	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon 10-15 m bgl. and post monsoon 5-10 m.
	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report
	Location of the RWH tank(s):	Will be elaborated in final EIA report
	Quantity of recharge pits:	5 nos.
	Size of recharge pits :	2 m X 3 m X 3 m Depth
	Budgetary allocation (Capital cost) :	Rs.1,50,000/-
	Budgetary allocation (O & M cost) :	Rs. 10000/- per annum. The details of Rain Water Harvesting will be elaborated in the EIA report after study.
	Details of UGT tanks if any :	Under ground water tank will be provided for fire fighting as per norms
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	**Sewage generation in KLD:**	11 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 No. and 15 KLD capacity
	Location & area of the STP:	Within the Plot Area
	Budgetary allocation (Capital cost):	Rs. 35 Lacs
	Budgetary allocation (O & M cost):	Rs. 2.0 Lacs/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	Slag , Tail Cuttings and Fly Ash
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Slag will be used for Hardening of working area, internal road, brick manufacturers, Concreting and Tail Cuttings will be recycled and reused in the Induction Furnace. The slag from Ferro Alloys unit will be sold to manufacturer of Silico-manganese. Fly ash will be sold to brick manufacturer.
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Within the Plant
	Area for the storage of waste & other material:	About 1875 sq. m. will be reserved for storing slag, tail cutting and fly ash.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		30 KLD			
Capacity of the ETP:		30 KLD			
Amount of treated effluent recycled :		30 KLD			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Settling tank will be constructed for treatment of waste water			
Disposal of the ETP sludge		Not Applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	NA	NA	NA	NA	NA	Secondary use and sale to recyclers

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Induction Furnace	Electricity	1	30	1.6	50 degree Centigrade
2	Ferro Alloys Unit	Electricity	1	30	0.5	100 degree Centigrade

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	--	1000 TPM	1000 TPM

2	Electricity	--	20 MW	20 MW
41.Source of Fuel		Electricity from CPP & MSEDCL and Coal from local suppliers		
42.Mode of Transportation of fuel to site		Coal by tarpaulin covered trucks		

43.Green Belt Development	**Total RG area :**	33 % of the total plot area
	No of trees to be cut :	00
	Number of trees to be planted :	600
	List of proposed native trees :	Ashoka, Karanj, Mango, Guava, Neem
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	Ashoka	100	Deciduous, Shady tree
2	Millettia pinnata	Karanj	100	Semi-Deciduous, Shady green, good for roadside plantation.
3	Mangifera indica	Mango	150	Semi-Deciduous, large tree, long-lived tree.
4	Psidium guajava	Guava	150	Semi-Deciduous, Fruit bearing Shady tree
5	Azadirachta indica	Neem	100	Deciduous, Large tree, good for roadside plantation.
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	Particulate Matter	Rs. 1.00 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Bag filters, Venturi Scrubbers	Rs. 100 Lac	Rs. 10 Lac

2	Water Pollution Control	STP & ETP	Rs. 35 Lac and Rs. 20 Lac	Rs. 2 lac and Rs. 1 Lac
3	Solid Waste Management	Handling and Disposing	Rs. 20 lac	Rs. 3 lac
4	Green Belt	Plantation	Rs. 5 Lac	Rs. 0.5 Lac
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels; Soil quality	--	Rs. 5 Lac

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The said plot is in MIDC area. The width of front of MIDC road is 20 Mtr.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	17924.924 sqmt
	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:	45 to 50 trucks/day will be operated after commission of proposed unit for transportation of raw material and finished product .
	Width of all Internal roads (m):	NA
	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	3(a)
	Court cases pending if any	No
	Other Relevant Informations	Application for TOR
	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 3(a)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 with the PP and his accridited consultant, it is observed that,

1. PP has not amalgamated the plots No. A-25 and A-24 - PP to submit amalgamation order from MIDC.

2. A road is passing thorugh the plot whose ownership is with PWD as per letter dated 29.11.2016. MIDC vide their letter dated 07.07.2016 given NOC for rerouting of the road from the outer boundary of the proposed plot. However PP has not submitted approved plan from competent authority about rerouting of the road.

3. MIDC vide their letter dated 07.07.2016 has assigned certain responsibilities to be fulfilled by PP. However PP couldnot give satisfactory explanation and documetary evidences in this regard.

In view of above, SEAC decided to defer the proposal till PP submits compliance of above mentioned points.

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 Expansion of M.S. Billets and S. S. Billets from 30,000 TPA to 1,55,000 TPA and production of 1,55,000 TPA TMT Bars by Hot Rolled Rolling Mill

Is a Violation Case: No

1.Name of Project	Expansion of M.S. Billets from 30,000 TPA to 1,55,000 TPA and production of 1,55,000 TPA TMT Bars by Hot Rolled Rolling Mill
2.Type of institution	Private
3.Name of Project Proponent	Grazia Tulio Lifestile Pvt. Ltd.
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Industry
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	A - 11
9.Taluka	Deori
10.Village	Deori
Correspondence Name:	71, Tarangan Towers, CHS Ltd, Dhanishtha Building, Estern Express Highway, Shaheed Mangal Pandey Road, Thane West:400606
Room Number:	71
Floor:	NA
Building Name:	Tarangan Towers, CHS Ltd, Dhanishtha Building,
Road/Street Name:	Estern Express Highway, Shaheed Mangal Pandey Road
Locality:	Thane (West)
City:	Thane- 400606
11.Area of the project	Industrial Area
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 4000
13.Note on the initiated work (If applicable)	Not Applicable, work will be initiated after receipt of Environmental Clearance and Consent to Establish
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10000
16.Deductions	Not applicable
17.Net Plot area	10000
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.): 4000
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	400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Industrial shade area	1	15 mtrs

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	About 200 no. users including workers & staff after expansion
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m. MIDC road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Existing Industrial shed where Induction Furnace is installed. Proposed expansion will be carried out in existing shed by adding additional furnaces of 2 x 12 TPH and Rolling Line.
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	M.S Billets, S.S. Billets	2500	10417	12917
2	TMT Bars	-	12917	12917

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	63
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	87
	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
	Fresh water (CMD):	63
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	80
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	4	6	10	1	2	3	3	4	7
Industrial Process	20	50	70	15	38	53	5	12	17
Industrial Process	20	50	70	15	38	53	5	12	17

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre Monsoon 2.0-5.0 bgl , Post Monsoon 1.5-4.00 bgl.
	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report.
	Location of the RWH tank(s):	Will be elaborated in final EIA report.
	Quantity of recharge pits:	8 Nos of Recharge pits shall be made.
	Size of recharge pits :	2 x 1.5 x 2 m
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	An underground tank will be constructed if required.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report.
	Size of SWD:	Will be elaborated in final EIA report.
Sewage and Waste water	**Sewage generation in KLD:**	7
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. & 15 KLD Capacity
	Location & area of the STP:	With in Plant Premises
	Budgetary allocation (Capital cost):	Rs. 20.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 2.00 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Waste Derbis
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	Slag , Tail cuttings
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Slag will be used for Hardening of working area, internal road, brick manufacturers, Concreting and Tail Cuttings will be recycled and reused in the Induction Furnace.
	Wet waste:	NA
	Hazardous waste:	Used oil will be sold to authorized recycler vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Within a Plant Boundary
	Area for the storage of waste & other material:	About 400 - 500 sq. m. will be reserved for storing slag, tail cutting
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	-
	O & M cost:	-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA

Amount of effluent generation (CMD):	17 KLD
Capacity of the ETP:	20 KLD
Amount of treated effluent recycled :	17 KLD
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Settling tank will be constructed for treatment of waste water
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.2	MT/y	3	0	3	Secondary use and sale to authorized recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Induction Furnace	Electricity	1	30	1.5	100 Degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	--	20000 KVA	20000 KVA

41.Source of Fuel	Electricity from State Electricity Board
42.Mode of Transportation of fuel to site	Electricity form transmission line

43.Green Belt Development	**Total RG area :**	33 % of the total Plot Area
	No of trees to be cut :	0
	Number of trees to be planted :	500 nos. of plant will be planted.
	List of proposed native trees :	Ashoka, Neem, Pipal, Palash, Gulmohar, Mango.
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Asoca	Ashoka	100	Shady tree , deciduous
2	Azardirachta indica	Neem	100	Large tree, good for roadside plantation.
3	Butea monosperma	Palash	50	Medium sized deciduous tree. beautiful flowers tree
4	Delonix regia	Gulmohar	100	Deciduous, large tree with beautiful flowers
5	Mangifera indica	Mango	100	large tree, long-lived tree.
6	Ficus Religiosa	Peepal	50	semi-deciduous
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Electricity from State Electricity Board
	During Construction Phase: (Demand Load)	Maximum 100 KVA
	DG set as Power back-up during construction phase	Nil
	During Operation phase (Connected load):	22000 KVA
	During Operation phase (Demand load):	20000 KVA
	Transformer:	Yes
	DG set as Power back-up during operation phase:	NA
	Fuel used:	in entire process electricity is the main fuel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Induction furnace, vehicular movement	Bagfilter, Stack	Bagfilter, Stack

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution	Particulate Matter	Rs. 1.5 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Bag Filter, Water Sprinkler System, Stack	Rs. 60 Lacs	Rs. 6 Lacs

2	Water Pollution Control	STP & ETP	Rs. 20 Lacs & Rs. 10 Lacs	Rs. 2 Lacs & Rs. 1 Lac
3	Solid Waste Management	Slag Crusher, Handling and Disposing	Rs. 10 Lacs	Rs. 1 Lac
4	Greenbelt	Plantation	Rs. 5 Lacs	Rs. 0.5 Lac
5	Environmental Monitoring	Air quality, Water and Wastewater Quality, Noise levels, Soil quality	-	Rs. 5 Lacs

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The said plot is in MIDC area. The width of front of MIDC road is 20 Mtr.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	12% of the total area
	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:	15 to 20 trucks.day will be operated after commissioning of proposed unit for transportation of raw material and finished product.
	Width of all Internal roads (m):	NA
	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	3(a)
	Court cases pending if any	NA
	Other Relevant Informations	Application for ToR
	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

DECISION OF SEAC

PP remained absent.

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 Environmental Clearance for proposed storage & handling of dangerous cargos

Is a Violation Case: No

1.Name of Project	APM Terminals India Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr Supratim Ganguly, Business Unit Head
4.Name of Consultant	Ultra-Tech Environmnet Consultancy & Laboratory
5.Type of project	Industrial Project --for proposed storage & handling of dangerous cargos
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. D-223/5, PH II, MIDC Chakan
9.Taluka	Khed
10.Village	Bhamboli
Correspondence Name:	Mr Supratim Ganguly, Business Unit Head
Room Number:	NA
Floor:	11
Building Name:	Urmi Estate,
Road/Street Name:	Ganapatrao Kadam Marg
Locality:	--
City:	Mumbai
11.Area of the project	MIDC, Chakan
12.IOD/IOA/Concession/Plan Approval Number	MIDC, Chakan Sanction obtained
	IOD/IOA/Concession/Plan Approval Number: MIDC Sanction No. : C88810 of 16 dated 06/09/2016
	Approved Built-up Area: 15101.87
13.Note on the initiated work (If applicable)	Construction of ware house which is less than 1,50,000m2 is completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	50,000.00
16.Deductions	Not applicable
17.Net Plot area	50,000.00
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.): 10517.43
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)	20.63 %
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	460600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Ware House	G	13.20
2	Office Building	G+1	9.90
3	Energy Building	G	4.97
4	Gate House	G+1	10.20
5	MNR shed	G	8.0
6	Canteen	G+1	9.20
7	Electric Meter Room	G	6.00

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	200 Nos.
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)	15 m MIDC road from Chakan MIDC Fire Station. Approx. 11 km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	minimum 6.0m
29.Existing structure (s) if any	Construction of Ware House, Office Building ,Energy Building ,Gate House, MNR Shed ,Canteen , Electric Meter Room
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	Open Yard- Class-2 and its subclass (gases)UN Hazard Classes	0	315 T Maximum storage	315 T Maximum storage
2	Open Yard-Class-3 and its subclass (flammable liquids)UN Hazard Classes	0	315 T Maximum storage	315 T Maximum storage
3	Open Yard-Class-4 and its subclass (flammable solids)UN Hazard Classes	0	50 T Maximum storage	50 T Maximum storage

4	Open Yard-Class-5 and its subclass (oxides &peroxides)UN Hazard Classes	0	50 T Maximum storage	50 T Maximum storage
5	Open Yard-Class-6 and its subclass (Toxic)UN Hazard Classes	0	215 T Maximum storage	215 T Maximum storage
6	Open Yard-Class-8 (corrosives)UN Hazard Classes	0	315 T Maximum storage	315 T Maximum storage
7	Open Yard-Class-9 and its subclass (Miscellaneous)UN Hazard Classes	0	315 T Maximum storage	315 T Maximum storage
8	Ware House: Class-2 and its subclass (gases)Hazard Classes	0	100 T Maximum storage	100 T Maximum storage
9	Ware House: Class-3 and its subclass (flammable liquids)Hazard Classes	0	3500 T Maximum storage	3500 T Maximum storage
10	Ware House: Class-4 and its subclass (flammable solids)Hazard Classes	0	300 T Maximum storage	300 T Maximum storage
11	Ware House: Class-5 and its subclass (oxides & peroxides)Hazard Classes	0	500 T Maximum storage	500 T Maximum storage
12	Ware House: Class-6 and its subclass (Toxic)Hazard Classes	0	6000 T Maximum storage	6000 T Maximum storage
13	Ware House: Class-8 (corrosives)Hazard Classes	0	500 T Maximum storage	500 T Maximum storage
14	Ware House: Class-9 and its subclass (Miscellaneous)Hazard Classes	0	1100 T Maximum storage	1100 T Maximum storage

32.Total Water Requirement

Dry season:	**Source of water**	MIDC, Chakan
	Fresh water (CMD):	3 6 + Vessel Washing : 3.0 = 6.6
	Recycled water - Flushing (CMD):	4.5
	Recycled water - Gardening (CMD):	1.8
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	12.9
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	Not required; since pumps maintain positive pressure in fire hydrant at all times
	Excess treated water	Soak pit
Wet season:	**Source of water**	MIDC, Chakan
	Fresh water (CMD):	3 6 + Vessel Washing : 3.0 = 6.6
	Recycled water - Flushing (CMD):	4.5
	Recycled water - Gardening (CMD):	1.8
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	12.9
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	Not required; since pumps maintain positive pressure in fire hydrant at all times
	Excess treated water	Soak pit
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	4.5	0	4.5	0	0	0	4.5	0	4.5
Fresh water requirement	3.6	0	3.6	0.6	0	0.6	3.0	0	3.0
Gardening	1.8	0	1.8	0	1.8	1.8	3.0	0	3.0
Industrial Process	3.0	0	3.0	0	0	0	3.0	0	3.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 m below ground level
	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 :	NA
35.Storm water drainage	**Natural water drainage pattern:**	From West to East
	Quantity of storm water:	0.3 m3/sec.
	Size of SWD:	600 mm (W) x 1400 (D) mm
Sewage and Waste water	**Sewage generation in KLD:**	6.3
	STP technology:	Sewage : Extended Aeration ETP : Conventional – Primary & Tertairy
	Capacity of STP (CMD):	6.5 KLD
	Location & area of the STP:	as per the layout
	Budgetary allocation (Capital cost):	Rs. 9.92 Lakhs
	Budgetary allocation (O & M cost):	Rs. 2.50 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	600 kg/day
	Wet waste:	100 kg/day
	Hazardous waste:	Category No. 34.3 Oil Water Sludge – generated from cleaning of storage tanks once in 5 years : 6.0 MT per year (approx)
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.5 kg/day
	Others if any:	E-waste : Negligible

Mode of Disposal of waste:	**Dry waste:**	Will be disposed off from site through external agency on daily basis.
	Wet waste:	Shall be treated taken away by the canteen contractor.
	Hazardous waste:	CHWTSDF/ MPCB Authorized Recyclers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	E waste : Will be handed over to authorized E-waste handeling agency.
Area requirement:	**Location(s):**	As per the services layout.
	Area for the storage of waste & other material:	04 nos of 550 ltr garbage bins kept in designated place
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	7	7	5.5-9
2	COD	mg/l	70	50	250
3	BOD	mg/l	20	10	100
4	TSS	mg/l	250	50	100
5	TDS	mg/l	300	110	2100
6	oil & Grease	mg/l	5	5	10

Amount of effluent generation (CMD):	3.0 CMD
Capacity of the ETP:	3.0 CMD
Amount of treated effluent recycled :	100% recycled
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Conventional
Disposal of the ETP sludge	6.0 MT per year (approx)

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	Lit	NA	270 ml/day/DG set	270 ml/day/DG set	Will be handed over to authorised vendor
2	Oil Water Sludge – generated from cleaning of storage tanks	34.3	--	--	Once in 5 years : 6.0 MT per year (approx)	Once in 5 years : 6.0 MT per year (approx)	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	DG set	Diesel 40 lit/hr/DG set	1 No.	13.7	0.17	600 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	40lit/hr/ - DG set	40lit/hr
41.Source of Fuel		Authorized Vendors		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	388.50
	No of trees to be cut :	Nil
	Number of trees to be planted :	252 Nos.
	List of proposed native trees :	Ashoka
	Timeline for completion of plantation :	Till the completion of the project. 173 nos. already planted.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Delonix Regia	Gulmohar	75	Moderate sized fast growing, deciduous tree and light feathery foliage. The tree is mainly grown for its shade and ornamental value. Because of its hardy nature and aggressive root system , it is a good tree to control soil erosion in the arid and semi- arid areas. It is host for lac- insect also
2	Callistemon lanceolatus	Lal bottle brush	30	A medium sized tree that will eventually grow to around 8 m tall. Very widely planted all over the world including India. They are arranged spirally along loose hanging stems. Very adaptable. Grows in a wide climatic range.Good for making bonsai, for screening, for Hedges and Borders, to Attracts birds Attracts butterflies, Attracts bees Salt or salinity tolerant
3	Polyalthia longifolia,	Ashoka	17	Native to India, is a lofty evergreen tree, commonly planted due to its effectiveness in alleviating noise pollution. It exhibits symmetrical pyramidal growth with willowy weeping pendulous branches and long narrow lanceolate leaves with undulate margins. The tree is known to grow over 30 ft in height.

4	Hyophorbe lagenicaulis	Bottle Palm	130	Bottle palm has a large swollen trunk. Bottle palm has only four to six leaves open at any time. The flowers of the palm arise from under the crownshaft.
5	TOTAL	TOTAL	252	---
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	1 No. of 500kVA Mobile DG
	During Operation phase (Connected load):	686 KW
	During Operation phase (Demand load):	500 KVA
	Transformer:	1 no. 500 kVA
	DG set as Power back-up during operation phase:	1 no. 500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. LED Light are considered.
2. Occupancy Sensor for Server area and toilet areas

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lights in Wire Rope	12 %
2	Occupancy Sensor in Server and Toilet area	1 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	--	STP of capacity 6.5 m3
DG Set	--	1 Nos. of Stacks 500 KVA of DG Set with height 08 Mt

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA
2	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	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, Effluent from ETP	--	3.62
2	Water	STP/ETP	24.42	6.48
3	Energy	Solar PV Cells / Streetlight/Wire rope LED light	100.00	8.00
4	Land Environment	Gardening	0.00	2.52
5	Solidf Waste	Solid waste management	1.60	2.52
6	TOTAL	--	126.02	23.14

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
Open Yard: Class-2 and its subclass (gases)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Import and domestic manufacture of cargos which send for storage at our premises	By Road / By Rail
Class-3 and its subclass (flammable liquids)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Same as above	Same as above
Class-4 and its subclass (flammable solids)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous clas	50 T Maximum storage	50 T Maximum storage	Nil	Same as above	Same as above
Class-5 and its subclass (oxides & peroxides)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	50 T Maximum storage	50 T Maximum storage	Nil	Same as above	Same as above

Class-6 and its subclass (Toxic)UN Hazard Classes Classes	Proposed	open yard storage - proposed quantities of dangerous class	215 T Maximum storage	215 T Maximum storage	Nil	Same as above	Same as above
Class-8 (corrosives)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Same as above	Same as above
Class-9 and its subclass (Miscellaneous)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Same as above	Same as above
Ware House: Class-2 and its subclass (gases) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous clas	100 T Maximum	100 T Maximum	Nil	Same as above	Same as above
Class-3 and its subclass (flammable liquids) HazardClasse	Proposed	warehouse storage - proposed quantities of dangerous class	3500 T Maximum storage	3500 T Maximum storage	Nil	Same as above	Same as above
Class-4 and its subclass (flammable solids) HazardClasses	Proposeds	warehouse storage - proposed quantities of dangerous class	300 T Maximum storage	300 T Maximum storage	Nil	Same as above	Same as above
Class-5 and its subclass (oxides & peroxides) Hazard Classes	Proposed	warehouse storage - proposed quantities of dangerous class	500 T Maximum storage	500 T Maximum storage	Nil	Same as above	Same as above
Class-6 and its subclass (Toxic) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	6000 T Maximum storage	6000 T Maximum storage	Nil	Same as above	Same as above
Class-8 (corrosives) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	6000 T Maximum storage	6000 T Maximum storage	Nil	Same as above	Same as above
Class-9 and its subclass (Miscellaneous) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	1100 T Maximum storage	1100 T Maximum storage	Nil	Same as above	Same as above

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:	As per requirment
	Area per car:	As per requirment
	Area per car:	As per requirment
	Number of 2-Wheelers as approved by competent authority:	12 sq. ft per vehicle
	Number of 4-Wheelers as approved by competent authority:	11
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	6 (b)
	Court cases pending if any	No

	Other Relevant Informations	Though we receive quite a few dangerous cargos as per MSIHC Rules, but there are substantial dangerous cargos that are outside the MSIHC too. Moreover, all of the dangerous cargos that we receive are not described and don't have their correct technical names mentioned or communicated anywhere in form of any documents to us. The identification of these dangerous cargo happens only when it comes physically to us at our site. The identification happens by UN classification stickers that are put up on 3 sides of container and after the physical examination done by the Custom's. Keeping all of these in mind, we hereby kindly plead to let us store & segregate the dangerous cargos as per UN classification of hazards as well as IMDG- International Maritime Dangerous Goods code (MSC.1/Circ.1216 of 26 February 2007 titled "Revised recommendations on the safe transport of dangerous cargoes and related activities in port areas".). All the applicable Indian and its related state laws shall be abiding for us. Classes of dangerous goods: 1) Class-2 and its subclass (gases): eg.-Helium, R134a, R410A, Butane, Propane etc. 2) Class-3 and its subclass (flammable liquids): eg- Isopropanol, Methanol, MIBK, Toluene, LAB, Acetone / acetone oils, Adhesives, Paints, lacquers, varnishes etc. 3) Class-4 and its subclass (flammable solids): eg.- Phosphorus, Sulphur etc. 4) Class-5 and its subclass (oxides & peroxides): eg.- Potassium nitrate, Aluminium nitrate etc. 5) Class-6 and its subclass (Toxic and Infectious): eg.- Epichlohydrine, MDI, TDI etc. 6) Class-8 (corrosives) eg.- Acetic, acid, Carbolic acid, phenol, Hydrogen fluoride, Iodine, Morpholine 7) Class-9 and its subclass (Miscellaneous): eg.- Polychlorinated biphenyls, Polychlorinated terphenyls, Dibromodifluoromethane, Benzaldehyde etc.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
32. Total Water Requirement	DRY SEASON:Fresh water (CMD)=3.6 + vessel washing=3.0 Total =6.6	DRY SEASON: Fresh water (CMD)=3.9 (Domestic) + 2 (Gardening) + 5.2 (Flushing) = 11.1
32. Total Water Requirement	Recycled water Flushing (CMD)=4.5	Recycled water Flushing (CMD)=5.2 (from fresh water)
32. Total Water Requirement	Recycled water Gardening (CMD)=1.8	Recycled water Gardening (CMD)=10 (from fresh water = 2 CMD, From recycle = 8 CMD)
32. Total Water Requirement	Total Water Requirment (CMD)=12.9	Total Water Requirement (CMD)=19.21
32. Total Water Requirement	WET SEASON: Fresh water (CMD)=3.6 + vessel washing=3.0 Total =6.6	Fresh water (CMD)=3.9 Domestic
32. Total Water Requirement	Recycled water Flushing (CMD)=4.5	Recycled water Flushing (CMD)=5.2
32. Total Water Requirement	Recycled water Gardening (CMD)=1.8	Recycled water Gardening (CMD)=0

32. Total Water Requirement	Total Water Requirment (CMD)=12.9	Total Water Requirement (CMD)=9.1
32. Total Water Requirement	Excess treated water=to soak pit	Excess treated water=2.8 to soak pit
33. Details of Total water consumed	Consumption:(CMD) Domestic-Existing=4.5,Proposed=0, Total= 4.5 Fresh water Reqt.-Existing=3.6,Proposed=0, Total= 3.6 Gardening:- Existing=1.8,Proposed=0, Total=1.8 Industrial Process:- Existing=3.0,Proposed=0, Total=3.0	Consumption:(CMD) Domestic-Existing=0,Proposed=3.9, Total=3.9 Fresh water Reqt.-Existing=0,Proposed=5.2, Total= 5.2 Gardening:- Existing=0,Proposed=10, Total=10 Industrial Process:-NA
33. Details of Total water consumed	Loss:(CMD) Domestic-Existing=0,Proposed=0, Total= 4.5 Fresh water Reqt.-Existing=0.6,Proposed=0, Total= 0.6 Gardening:- Existing=0,Proposed=1.8, Total=1.8 Industrial Process:- Existing=0,Proposed=0, Total=0	Loss:(CMD) Domestic-Existing=0,Proposed=0.5, Total= 0.5 Fresh water Reqt.-Existing=0,Proposed=0, Total= 0 Gardening:- Existing=0,Proposed=10, Total=10 Industrila Process:-NA
33. Details of Total water consumed	Effluent:(CMD) Domestic-Existing=4.5,Proposed=0, Total= 4.5 Fresh water Reqt.-Existing=3.0,Proposed=0, Total= 3.0 Gardening:- Existing=3.0,Proposed=0, Total=3.0 Industrial Process:- Existing=3.0,Proposed=0, Total=3.0	Effluent:(CMD) Domestic-Existing=0,Proposed=3.4, Total= 3.4 Fresh water Reqt.-Existing=0,Proposed=5.2, Total= 5.2 Gardening:- Existing=0,Proposed=0, Total=0 Industrial Process:-NA
36. Sewage and waste water	Sewage generation in KLD =6.3	Sewage generation in KLD =8.5
36. Sewage and waste water	STP Technology= Sewage: Extented Aeration ETP: Conventional- Primary & Tertiary	STP Technology=MBBR-(Airobix STP)
37. Solid Waste Management	Dry waste: 600 kg/day Wet waste: 100 kg/day	Dry waste: 5 kg/day Wet waste: 5 kg/day
37. Solid Waste Management:waste generation in operation phase	Hazardous waste: Category No. 3.4, oil water sludge- generation from cleaning of storage tanks once in 5 year: 6.0 T per year (approx)	Hazardous waste: Category No. 3.4, oil water sludge- generation from cleaning of storage tanks once in 5 year: 6.0 T per year (approx) and Spent oil 270 ml/d/DG
37. Solid Waste Management:waste generation in operation phase	other if any: E waste:Negligible	other if any: E waste:NA
37. Solid Waste Management:waste generation in operation phase	Mode of Disposal of waste:Wet waste: shall be treated taken away by the canteen contractor	Mode of Disposal of waste:Handed over to Authorized Vendor
38. Effluent Characteristics	Amount of Effluent generation(CMD):3	Amount of Effluent generation(CMD):NA
38. Effluent Characteristics	Capacity of ETP (CMD):3	Capacity of ETP (CMD):NA
38. Effluent Characteristics	Amount of treated effluent recycled:100 %	Amount of treated effluent recycled:NA
38. Effluent Characteristics	Note on ETP technology to be used:100%Conventional	NA
38. Effluent Characteristics	Disposal of ETP Sludge:6.0 MT per year (Approx)	NA
44. Green Belt Development	Total RG Area:388.5	Total RG Area:Green belt (From Suyog Logistics 6700 m2 + from MIDC 6500 m2)= 16500
44. Green Belt Development	Number of trees to be planted:252	Number of trees to be planted:1200

44. Green Belt Development	List of proposed Native trees: Ashoka	List of proposed Native trees:given below
45.Number and list of trees species to be planted in the ground	Total No. of tress =252 Nos. 1) Delonix Regia (Gulmohor) =75 2)Callistemon lanceolatus (Lal Bottle brush) = 30 3) Polyalthia longifolia(Ashok)=17 4) Hyophorbe lagenicaulis (Bottle Palm)= 130	Total 1200 No. of tress of different species as mentioned below: 1) Delonix Regia (Gulmohor) 2)Callistemon lanceolatus (Lal Bottle brush) 3) Polyalthia longifolia(Ashok) 4) Hyophorbe lagenicaulis (Bottle Palm) 5) Azadirachtaindica (Neem) 6) Saracaasoca (sita Ashok) 7) Alstonia scholars (Saptaparni) 8) Pongamiapinnata (Karanj) 9)Mimusopselengi (Bakul) 10) Bauhineablackeana (Apta) 11) Micheliachampaca (Champa)
51. Details of Pollution control System	STP:Proposed to be installed: STP of capacity 6.5 m3	STP: Already installed: STP of capacity 10 m3
52. Environment Management Plan Budgetary Allocation	b) Operation Phase (with break up) 2. Water-STP/ETP= Capital cost=Rs. 24.42 Lakhs , O&M cost= RS. 6.48 Lakhs/y 5. TOTAL: Capital cost=Rs. 126.02 Lakhs , O&M cost= RS. 23.14 Lakhs/y	b) Operation Phase (with break up) 2. Water-STP= Capital cost=Rs. 9.92 Lakhs , O&M cost= RS. 2.50 Lakhs/y 5. TOTAL: Capital cost=Rs. 111.52 Lakhs , O&M cost= RS.19.16 Lakhs/y
54. Traffic Management	Total Parking area =As per requirement	Parking & internal roads area =13,037.57 m2
54. Traffic Management	Area per car= As per requirement	Area per Car: 30 m2

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 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

Based on the presentation made by PP; committee decided to approve the TOR in the 142nd meeting of SEAC held on 13.09.2017 for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

1. PP to collect baseline data as per Office Memorandum issued by MoEF&CC dated 29.08.2017.

2. PP to submit memorandum of articles document.

3. During deliberations it was observed that, MIDC has alloted the land to M/s SuyogLogistic Park Pvt. Ltd. for setting up of facility but now PP (M/s APM Terminals India Pvt. Ltd.) has made an agreement with M/s Suyog to use the land for their proposed activity. PP asked to submit a permission/NOC letter obtained from MIDC to use the land.

4. PP to submit an Emergency Preparedness Plan based on the chemicals/material expected to be stored on site.

5. PP to ensure to decided on the maximum retention period for the goods which are not claimed after receipt. Any deterioration of the chemical properties may lead to an unforeseen accident.

6. PP to include detailed water balance, methodology/mechanism of receiving the material and distribution of the material in the EIA report.

7. PP to submit layout showing 33% green belt, Internal road width and turning radius, location of emergency equipment, etc.

8. PP to submit on site/off site emergency plan.

9. PP to submit Quantitative Risk Assessment study report along with mitigation measures.

10. PP to submit design details of STP and ETP. PP to include plan for disposal of canteen waste in the EIA/EMP report.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload list of Board of Directors.
2) PP to submit revised layout plan showing 33% green belt in the plot premises, internal road of six meters and turning radius of nine meters.
3) PP to provide wicked door near the Assembly Point No. 1.
4) PP to submit detailed plan and methodology so as to comply with the recommendations of the HAZOP and Risk Assessment Study.
5) PP to submit in detail plan ,methodology and schedule of disposal of goods if not cleared by the customer after prescribed retention period.
6) EIA report shows certini parameters in the surface water, ground water, noise levels which are exceeding the prescribed limits. PP to submit clarification and action plan for mitigation in this regard.
7) PP to submit an undertaking for not having any eco sensitive areas within the range of 5 KM of the proposed project and not attracting the applicability of general conditions in respect of category of the project.
8) PP to submit details about methodology of socio economic study and explain its relevance to the proposed project.
9) PP to verify the figures mentioned in the traffic study report against the IRC standard and explain discrepancy if any in the EIA report.
10) PP to prepare CSR plan in consultation with the district authorities along with time bound implementation schedule. PP to maintain separate account for CSR funds.
11) PP to include all above points in the EIA report and submit revised EIA report.

FINAL RECOMMENDATION

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

149th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 149th Day-2 **Meeting Date** April 3, 2018

Subject: Environment Clearance for S Kant Chemicals Private Limited

Is a Violation Case: No

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

1.Name of Project	New project for manufacturing of Active Pharmaceutical ingredients and Bulk Drugs
2.Type of institution	Private
3.Name of Project Proponent	Mr. Gaurav Shah
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot no. W-05, W-06
9.Taluka	Palghar
10.Village	Kumbhavli
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 336
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (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.): Not applicable
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	68400000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable

24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	4, 7 Dichloroquinoline	NA	2	2
2	Acyclovir	NA	4	4
3	Ambroxol HCL	NA	3	3
4	Ammodiaquine	NA	2	2
5	Artemether	NA	2	2
6	Artsunate	NA	0.75	0.75
7	Atovaquone	NA	0.25	0.25
8	Entacapone	NA	1	1
9	Erythromycin	NA	5	5
10	Fluconazole	NA	2	2
11	Ganciclovir	NA	2	2
12	Glibenclamide	NA	1	1
13	Gliclazide	NA	3.5	3.5
14	Glimepiride	NA	1	1
15	Glipizide	NA	1	1
16	Hydroxy Chloroquine Sulfate	NA	1	1
17	Losartan Potassium	NA	4	4
18	Lumefantrine	NA	3	3
19	Moxifloxacin	NA	2	2
20	Piperaquine Phosphate	NA	1	1

21	Pyrazinamide	NA	5	5
22	Pyrimethamine	NA	1	1
23	Sodium Sulfanilamide	NA	5	5
24	Sulfadimethoxine	NA	3	3
25	Sulfadoxine	NA	2.5	2.5
26	Sulfasalazine	NA	2.5	2.5
27	Valganclovir	NA	5	5

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	NA	10	10	NA	2	2	NA	8	8
Industrial Process	NA	31	31	NA	3	3	NA	28	28
Cooling tower & thermopack	NA	82	82	NA	62	62	NA	20	20
Gardening	NA	1	1	NA	1	1	NA	NA	NA
Fresh water requirement	NA	124	124	NA	68	68	NA	56	56

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 :	There are two underground tanks: One for Water supply (Capacity- 100 CMD) and One for Fire Hydrant (Capacity- 100 CMD)
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:**	8
	STP technology:	NA
	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:	NA
Waste generation in the operation Phase:	**Dry waste:**	Discarded containers / Barrels/ Liners contaminated with hazardous chemicals / waste
	Wet waste:	Chemical sludge from waste water treatment, Process waste sludge/ residue, Spent carbon from Process, Spent carbon from ETP
	Hazardous waste:	250.5 MT/M
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Downstream User
	Wet waste:	MWML
	Hazardous waste:	MWML
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Area for Manufacturing, Area used for RM/Product Storage, Utility area (Boiler, Cooling Tower), Admin Building (Office, Security cabin), Internal Road, Open Area, Green belt area, Parking area
	Area for the storage of waste & other material:	369 m2
	Area for machinery:	336 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55600000
	O & M cost:	20000000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5-9	7-8	6.5 -9.0
2	TSS	mg/l	300-350	50-80	below 100
3	COD	mg/l	5000-6000	200-240	below 250
4	BOD	mg/l	2000-3000	80-90	below 100
5	TDS	mg/l	2000-2100	1600-1900	below 2100
6	O&G	mg/l	20-25	5-6	below 10

Amount of effluent generation (CMD):	56
Capacity of the ETP:	65
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	56
Membership of CETP (if require):	Yes

Note on ETP technology to be used	Primary, Secondary, Tertiary
Disposal of the ETP sludge	MWML

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from waste water treatment	34.3	MT/M	NA	6	6	MWML
2	Process waste sludge/ residue	26.1	MT/M	NA	240	240	MWML
3	Spent carbon from Process	28.8	MT/M	NA	1.5	1.5	MWML
4	Spent carbon from ETP	35.3	MT/M	NA	3	3	MWML
5	Discarded containers / Barrels/ Liners contaminated with hazardous chemicals / waste	33.3	Nos.	NA	50	50	Downstream User

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 of 1 TPH (regular)	LDO, 1248 kg/day	stack no. 1, combined stack for both boilers	30	0.6	200Â°C
2	BOILER 2 of 1 TPH (standby)	LDO, 1248 kg/day	stack no. 1, combined stack for both boilers	30	0.6	200Â°C
3	one DG set of 200 KVA	HSD, 840 kg/day	2	3.5m above enclosure	0.15	150Â°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	NA	1248 kg/day	1248 kg/day
2	HSD	NA	840 kg/day	840 kg/day
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	170
	No of trees to be cut :	NA
	Number of trees to be planted :	30
	List of proposed native trees :	10
	Timeline for completion of plantation :	6 months after grant of 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	Ficus religiosa	Pimpal	7	Dust resistant and local variety
2	Polyalthia longifolia	False Ashok	8	Sound barrier and local variety
3	Azardirachta indica	Neem	8	Dust resistant and medicinal value
4	Anthosephalus cadamba	Kadamb	7	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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	250 kW
	During Operation phase (Demand load):	200 kW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	200 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
Boiler 1	NA	combined stack
Boiler 2	NA	combined stack

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Stack	for dispertion	13	2.5

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
m-chloroaniline	Liquid	Carboy	3	2.5	2.03	Local	Tempo
Ethyl ethoxymethylenemalonate	Liquid	Carboy	4	3.8	3.66	Local	Tempo
Sodium hydroxide	Solid	Drum	20	19	18.88	Local	Tempo
Phosphorus oxychloride	Liquid	Carboy	8	7.5	7.12	Local	Tempo
Methanol	Liquid	Tank	205	204	203.22	Local	Tanker
IPA	Liquid	Tank	105	100	99.97	Local	Tanker
Acetic acid	Liquid	Carboy	8	7.8	7.80	Local	Tempo
Acetone	Liquid	Tank	40	38	36.82	Local	Tanker
Triethylamine	Liquid	Carboy	1	0.5	0.182	Local	Tempo
Acetonitrile	Liquid	Tank	40	38	35.46	Local	Tanker
Ethyl acetate	Liquid	Carboy	8	7.5	7.33	Local	Tempo
Cyclohexane	Liquid	Carboy	4	3.8	3.64	Local	Tempo
MDC	Liquid	Tank	105	102	101.04	Local	Tanker
Toluene	Liquid	Tank	140	136	135.302	Local	Tanker
Piperidine	Liquid	Carboy	0.2	0.1	0.039	Local	Tempo
Hexane	Liquid	Tank	3	2.5	2.44	Local	Tanker
Sodium Methoxide	Solid	Drum	2	1.5	1.066	Local	Tempo

p-toluene sulfonyl area	Solid	Drum	3	2.8	2.78	Local	Tempo
DMF	Liquid	Tank	12	11.5	11.02	Local	Tanker
THF	Liquid	Drum	12	11.5	11.18	Local	Tempo
Phosphoric acid	Liquid	Carboy	0.2	0.1	0.884	Local	Tempo
Sodium Azide	Solid	Drum	2	1.5	1.53	Local	Tempo
TEA. HCL	Solid	Drum	5	4.5	4.24	Local	Tempo
Di-N-butyl amine	Liquid	Carboy	1.5	1	0.91	Local	Tempo
Boric Acid	Solid	Drum	0.5	0.3	0.29	Local	Tempo
Guanidine HCL	Solid	Drum	1.51	1	0.884	Local	Tempo
DCMP	Solid	Drum	2	1.8	1.79	Local	Tempo
Pd/c	Liquid	Drum	0.3	0.2	0.156	Local	Tempo
HCL	Liquid	Carboy	100	95	92.351	Local	Tempo

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	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	5f (B1)
	Court cases pending if any	NA

	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-01-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge, PP provided scrubber and stack height of 30 meters to control the air pollution. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Effluent Treatment Plant and Zero Liquid Discharge.
Drainage pattern of the project	Not Applicable
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits at project site.
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 200KW, which will be supplied by MSEDCL. PP also proposes to have 200 KVA DG set with HSD as a fuel. PP committed to provide solar energy for street lights and office buildings.
Traffic circulation system and risk assessment	PP has indicated in the lay out plan that internal roads will be of six meter width along with nine meters of turning radius for smooth circulation of traffic. PP provided 12% parking area which seems to be sufficient for parking of the vehicles.
Landscape Plan	PP provided 5 meters wide green belt around the periphery of the plot area.
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and submitted DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.13.00 Lakh as capital cost and Rs,2.5 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

Earleir PP submitted their application for grnat of TOR to the MoEF&CC; EAC granted the TOR vide letter No. J-11011/2/2017-IA.II(I) dated 29th April, 2017.

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

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

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

1. PP to ensure the stability of existing manufacturing structures/buildings and submit copies of their structural stability certificates.

2. PP to include history of the tranfer of their plot in the EIA reprot.

3. PP to submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source out side the limits of factory premsies.

4. PP to carry out impurity profiling of the products to be manufactured to avoid any unforeseen incident.

5. PP to include their plan for container decontamination ,treatment and disposal of waste water generated from this activity.

6. PP to ensure the exit gas temperature from DG set Stack and Boiler Stack under prescribed limits and submit details.

7. HAZOP study shall be carried out for all the processes together as well as processes involving production of specific products.

8. PP to submit details of generation of Hazardous and non hazardous waste generation their collection, treatment and disposal plan and include the same in EIA report.

9. 5 m wide green belt (in view of plot area) around the periphery to be developed.

The proposal was again considerd in the 145th meeting wherein the proposal was deferred till PP submits compliance of following points.

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.

2. PP has not complied the point No. 3,4,5,8,9 of the additional ToR points raised in 138th meting of SEAC-I; PP to submit point wise compliance.

3. PP shall not use existing office building for any manufacturing or storage activity and submit undertaking in this regard.

4. PP to submit demolition plan for existing sheds along with environment impact and safety measures to be undertaken during demolition activity.

5. PP to explore possibility of recovery of heat from boiler stacks and submit report in this regard.

6. PP informed that the process waste generation (category 26.1) from proposed activity will be 3 MT/M where as in consolidated statement shows 240 MT/M . PP to submit explanation in this regard and show product wise waste generation calculations.

7. PP to submit detailed water balance calculations.

8. PP to submit specific CSR activity plan along with time lines and details of implementing agencies.

9. PP to submit air quality index and MPCB ambient air monitoring reports for the proposed project area.

DECISION OF SEAC

After detailed deliberations with the PP and his accredited consultant SEAC-I decided to recommend the proposal for prior Environmental Clearance to SEIAA.

Specific Conditions by SEAC:

1) PP to implement CSR plan in consultation with the District Authorities and maintain separate account for CSR funds.

FINAL RECOMMENDATION

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

149th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 149th Day-2 **Meeting Date** April 3, 2018

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

Is a Violation Case: No

1.Name of Project	New project of Manufacturing of Synthetic Organic Chemicals at Plot No. N-21, Additional MIDC, Ambernath, Taluka: Thane, District: Thane, State: Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Hindustan Monomers Private Limited
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. N-21, Additional MIDC, Ambernath
9.Taluka	Thane
10.Village	Ambernath
Correspondence Name:	Mr. Hemant R. Bandodkar
Room Number:	P-63
Floor:	NA
Building Name:	NA
Road/Street Name:	Road No.21
Locality:	Milap Nagar
City:	Dombilvli (E)
11.Area of the project	Additional MIDC, Amberanth
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 716
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	4500 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.): 00
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)	6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	4,4' – Di Chloro Diphenyl Sulfone (DCDPS)	--	--	--
2	4,4' – Di hydroxyl Diphenyl Sulfone (44 BPS)	--	--	--
3	2,4' – Di hydroxyl Diphenyl Sulfone (24 BPS)	--	--	--
4	4,4' – Di amino Diphenyl ether (ODA)	--	--	--
5	3,3' – Di sulfonate Di Chloro di phenyl Sulfone Sodium Salt (DCDPS Sulfone)	--	--	--
6	Potassium Salt of Diphenyl Sulfone (KSS)	--	--	--
7	Note: Combine production capacity of all products will be limited to 500 TPM only.	00	500	500

8	Total	--	500	500
9	By-product	--	--	--
10	Dilute Sulphuric Acid (50%)	00	700	700

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	00	06	06	00	1.5	1.5	00	4.5	4.5

Industrial Process	00	65	65	00	15	15	00	50	50
Cooling tower & thermopack	00	96.5	96.5	00	86.5 (25 steam condensate recycle)	86.5 (25 steam condensate recycle)	00	10	10
Gardening	00	7.5	7.5	00	7.5	7.5	00	00	00
Fresh water requirement	00	175	175	00	110.5	110.5	00	64.5	64.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 to 8 m
	Size and no of RWH tank(s) and Quantity:	1 tank of 20 m3
	Location of the RWH tank(s):	Near plant 'C'
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected water will be reused
	Budgetary allocation (Capital cost) :	5 lac
	Budgetary allocation (O & M cost) :	Rs. 80000 /annum
	Details of UGT tanks if any :	1 fire water tank, 1 rain water harvesting tank and 1 spill collection tank. All underground tanks are available near Plant 'C'
35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	4.5
	STP technology:	Not Applicable
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris
	Disposal of the construction waste debris:	Debris will use for land filling
Waste generation in the operation Phase:	**Dry waste:**	Discarded drums and containers = 250 nos./annum
	Wet waste:	Spent Carbon from ETP = 34 TPA, Chemical Sludge from waste water treatment = 13 TPA, MEE Solids = 2700 TPA, Filters and Filter Material which have organics = 0.2 TPA
	Hazardous waste:	1) Spent Carbon from ETP = 34 TPA, 2) Chemical Sludge from waste water treatment = 13 TPA, 3) MEE Solids = 2700 TPA, 4) Filters and Filter Material which have organics = 0.2 TPA, 5) Discarded drums and containers = 250 nos./annum
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	MPCB authorised party for reuse
	Wet waste:	MWML Taloja
	Hazardous waste:	MWML Taloja
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Plant Area, Raw material storage area, Finished Goods storage, Office Building, Utility area, Parking area, Hazardous waste storage, Open space & internal roads, ETP, Green belt area
	Area for the storage of waste & other material:	9 m2
	Area for machinery:	716 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Cr.
	O & M cost:	Rs. 0.9 Cr.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6 - 7	7 - 8	5.5 - 9
2	BOD3, 27°C	mg/L	1300 - 1600	50 - 100	<100
3	COD	mg/L	3100 - 3700	50 - 100	<250
4	TDS	mg/L	50 - 100	10 - 50	<2100
5	TSS	mg/L	50 - 100	50 - 100	<100

Amount of effluent generation (CMD):	102 CMD
Capacity of the ETP:	120 CMD
Amount of treated effluent recycled :	105 CMD
Amount of water send to the CETP:	Not Applicable, as It will be Zero Liquid Discharge (ZLD) Unit
Membership of CETP (if require):	Not applicable

Note on ETP technology to be used	MEE, ETP & RO
Disposal of the ETP sludge	MWML Taloja

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (3 TPH)	FO, 242 kg/hr.	stack no. 1, combined stack for Boiler and Thermopack	40	0.4	160° C
2	Thermopack (4,00,000 kcal/hr.)	FO, 50 kg/hr.	stack no. 1, combined stack for Boiler and Thermopack	40	0.4	160° C
3	D G Set	HSD	stack no. 2	5	0.15	150° C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace Oil	Not Applicable	292 Kg/hr.	292 Kg/hr.
2	HSD	Not Applicable	135 Lit./hr.	135 Lit./hr.

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

43.Green Belt Development	**Total RG area :**	1484 m2
	No of trees to be cut :	Trees are not available at project side
	Number of trees to be planted :	220 nos.
	List of proposed native trees :	Terminalia arjuna (Arjun), Bauhinia racemosa (Apta), 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	10	Pollution resistant and Native
2	Bauhinia racemosa	Apta	10	Pollution resistant and Native
3	Ficusbenghalensis	Vad	15	Pollution resistant and Native
4	Ficusreligiosa	Pimpal	10	Pollution resistant and Native
5	Polyalthialongifolia	Ashok	40	Pollution resistant and Native
6	Azadirachtaindica	Kaduneem	10	Pollution resistant and Native
7	Cassia fistula	Bahava	15	Pollution resistant and Native
8	Neolamarckiacadamba	Kadamb	20	Pollution resistant and Native
9	Teminaliatomentosa	Ain	10	Pollution resistant and Native
10	Lagerstroemia speciosa	Taman	10	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	10	Pollution resistant and Native
12	Lantana camara	Ghaneri	20	Pollution resistant and Native
13	Calatropisgigentia	Rui	10	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	20	Pollution resistant and Native
15	Neriumindicum	Kanher	10	Pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	500 KW
	During Operation phase (Demand load):	450 KW
	Transformer:	500 KW
	DG set as Power back-up during operation phase:	500 KVA (1 no.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable, No high tension line passing through the plot

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust	Air Pollution	0.1
2	Debris	Solid Waste	0.1
3	Construction motor	Noise Pollution	0.1

b) Operation Phase (with Break-up):

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

51.Storage of chemicals (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
Chlorobenzene	Liquid	Tank	100	100	540	Local	Road
Dimethyl sulfate	Liquid	Tank	20	20	240	Local	Road
Sulfur trioxide	Liquid	Tank	14	14	420	Local	Road
Caustic soda lye 100%	Liquid	Tank	20	20	100	Local	Road
Sulfuric acid	Liquid	Tank	20	20	63	Local	Road
BPS	Solid	Store	15	15	84	Local	Road
p-nitrochlorobenzene	Solid	Store	10	10	33	Local	Road
p-nitrophenol	Solid	Store	10	10	45	Local	Road
Potassium carbonate	Solid	Store	5	5	20.4	Local	Road
DMSO	Liquid	Tank	10	10	58.8	Local	Road
Methyl Cellosolve	Liquid	Tank	10	10	199.8	Local	Road
Diphenyl sulfone (DPS)	Solid	Store	7	7	39	Local	Road
Caustic Potash 100%	Solid	Store	5	5	18	Local	Road
Hydrogen	Gas	Shed	Cylinder trolley 1 no.	Cylinder trolley 1 no.	5	Local	Road
IPA	Liquid	Tank	8	8	1.5	Local	Road

52.Any Other Information		
No Information Available		
53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	540 m2
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No Protected area within 10 km radius circle
	Category as per schedule of EIA Notification sheet	5(f) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-10-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge, PP provided scrubber and stack height of 40 meters to control the air pollution. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Effluent Treatment Plant and Zero Liquid Discharge.
Drainage pattern of the project	Not Applicable
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits at project site.
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 20000 KVA, which will be supplied by MSEDCL. PP to provide solar energy for street lights and office buildings.
Traffic circulation system and risk assessment	PP has indicated in the lay out plan that internal roads will be of six meter width along with nine meters of turning radius for smooth circulation of traffic. PP provided 12% parking area which seems to be sufficient for parking of the vehicles.
Landscape Plan	PP provided 33% green belt within the premises.
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and submitted DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposed EMP cost of Rs.416.3 Lakh as capital cost and Rs,69.51 Lakh as O & M cost to maintain environmental parameters.
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 in the 137th meeting of SEAC-1 held on 14th to 18th October ,2016 wherein ToR was granted.

Now PP submitted EIA/EMP report for appraisal.

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

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

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

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

The proposal was considerd in the 144th meeting where in it was deferred till PP submits the compliance of following points,

1. PP to submit revised layout plan showing correct area statement.

2. PP to submit water consent obtained from MIDC.

3. PP to achieve solvent recovery in the range of 99%. PP to submit design calculations of Solvent Recovery Plant.

4. PP to explore possibility of use of solar energy for office buildings and street lights.

5. PP to provide lightening arrestor.

6. No fresh water shall be used for gardening as proposed project is a Zero Liquid Discharge.

DECISION OF SEAC

After detailed deliberations with the PP and his accrediated consultant SEAC - 1 decided to recommend the proposal for prior Environmental Clearance to the SEIAA.

Specific Conditions by SEAC:

1) PP to use solar energy for the illumination of office building and street lights.

FINAL RECOMMENDATION

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