Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Expansion of Synthetic Organic Chemicals Manufacturing facility.

Is a Violation Case: Yes

1.Name of Project	Expansion of Synthetic Organic Chemicals Manufacturing facility at Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik by Spak Orgo Chem (India) Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	Spak Orgo Chem (India) Private Limited.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik, Maharashtra
9.Taluka	Nashik
10.Village	MIDC Satpur
Correspondence Name:	Ameya Jogalekar
Room Number:	H-8, MIDC, Satpur, Dist : Nashik
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Not applicable
Locality:	MIDC Satpur
City:	Nashik
11.Area of the project	Not Applicable
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Consent to establish was obtained from MPCB in the year 2010 and consent to operate with expansion having consent validity upto 31.05.2017 in the year 2012 from the MPCB regional office without obtaining environmental clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan Approved by MIDC
15.Total Plot Area (sq. m.)	4234.85 sq. m
16.Deductions	Not applicable
17.Net Plot area	4234.85 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 07-04-2018
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	38707565

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Organic Surfactants	76.5	0	76.5
2	Organic Esters	131.3	0	131.3
3	Poly Electrolytes	18.0	0	18.0
4	Amides and other esters and surfactants	60.0	0	60.0

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	3.5	0	3.5	0.5	0	0.5	3.0	0	3.0
Industrial Process	8.0	0	8.0	0	0	0	8.0	0	8.0
Cooling tower & thermopack	19.2	0	19.2	16.5	0	16.5	2.7	0	2.7
Gardening	1	0	1	1	0	1	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Not Applicable
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	3.0 cmd
	STP technology:	Not Applicable as Soak Pit is provided for discharge of sewage generated & overflow if any is used for Gardening.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	HDPE drums : 50 Nos. / Month & Plastic bags : 400 Nos./ month
	Wet waste:	Not Applicable
	Hazardous waste:	Category 35.3 : ETP sludge - 10 Kg/ Day
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Sale to Authorized party
	Wet waste:	Not applicable
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Utility Area
	Area for the storage of waste & other material:	30 Sq. mtr.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	8.5	6.5-7	5.5- 9.0
2	COD	mg/lit	7000-10000	700-1300	< 250
3	BOD	mg/lit	3200	200-275	< 100
4	TDS	mg/lit	3000	0-40	< 2100
5	TSS	mg/lit	10000	150-200	<100
6	Oil & Grease	mg/lit	600	8-9	<10
7	Sulphate	mg/lit	1400-1800	400	< 1000
8	Chlorides	mg/lit	650	<600	< 600

Amount of effluent generation (CMD):	Trade Effluent - 10.7 cmd
Capacity of the ETP:	11 cmd
Amount of treated effluent recycled :	10.7 cmd
Amount of water send to the CETP:	Not Applicable (It is Zero Liquid Discharge Unit)
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Primary, Secondary and Tertiary Treatment including MEE
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	Kg/day	10	0	10	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (capacity 1.5 Ton/hr)	Briquette 2.47 Ton/day	1	30	0.450	175

2	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	2	20	0.350	170
3	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	3	20	0.350	170
4	DG Set 200 KVA (Proposed)	HSD 20 Lit/hr	4	as per norms	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	2.47 Ton/day	0	2.47 Ton/day
2	Furnace oil	368 kg/day	0	368 kg/day
3	HSD	0 lit/hr	20 Lit/hr	20 Lit/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA
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	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	180 KVA
	During Operation phase (Demand load):	180 KVA
	Transformer:	Not Applicable
	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:	Not Applicable

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 (capacity 1.5 Ton/hr) & TFH (2 nos.) - (capacity 2 Lac kcal /hr each)	Stack height as per CPCB guidelines	Not Applicable
DG Set (200 KVA)	Not Applicable	Stack height as per CPCB guidelines

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	NA	NA	NA	NA

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
P.K.OIL	existing	at site	20 KL	20 KL	51	local	By Road
CFA	existing	at site	20 KL	20 KL	145.3	local	By Road
RBFA/OLEIC ACID	existing	at site	20 KL	20 KL	145.3	local	By Road
Sorbitol Mono Laurate (finish product)	existing	at site	25 KL	25 KL	0	local	By Road
Sorbitol Mono Oleate (finish product)	existing	at site	16 KL	16 KL	0	local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	As per Rule
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f) - B
	Court cases pending if any	No, Not Applicable
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for grnat of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018, PP applied for the grant of ToR to the MoEF&CC and SEIAA vide Unique ID No. 1199 on 11th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

The proposal was considered in the 151st meeting of SEAC-1 held on 25.05.2018 whrein the proposal was deferred for following reason,

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

Hence deferred.

DECISION OF SEAC

During deliberation PP requested to postpone the case.

Hence deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal.Kindly find SEAC decision above.

Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Establishment of Pilot Plant for Synthetic Organic Chemicals (Specialty chemicals and API and its formulation) by Aarti Industries Limited at Plot No. A-94/1 & A-94/1/1, Khairane MIDC, TTC Industrial Area, Thane

Is a Violation Case: No

1.Name of Project	Establishment of Pilot Plant for Synthetic Organic Chemicals (Specialty chemicals and API and its formulation) by Aarti Industries Limited at Plot No. A-94/1 & A-94/1/1, Khairane MIDC, TTC Industrial Area, Thane
2.Type of institution	Private
3.Name of Project Proponent	Aarti Industries Limited
4.Name of Consultant	Aditya Environmental Services Pvt Ltd
5.Type of project	Industrial Project, Category 5 (f)- B as per EIA notification 2006
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. A-94/1 & A-94/1/1, Khairane MIDC, TTC Industrial Area, Thane
9.Taluka	Thane
10.Village	Kopar khairane
Correspondence Name:	Premnath R
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Area of the project	Khairane MIDC, TTC Industrial area
12.IOD/IOA/Concession/Plan Approval Number	Plot allotment from MIDC
	IOD/IOA/Concession/Plan Approval Number: Plot allotment from MIDC
	Approved Built-up Area: 4129.35
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plot allotment from MIDC
15.Total Plot Area (sq. m.)	6576 sq. m.
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.): 4080.92
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1.5
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 07-02-2019
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	278000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Min 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	--
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	Pilot Plant for synthetic organic chemicals (e.g. Specialty chemicals API and its formulations)	0	5	5

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	98 cmd
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	98 cmd
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	20	20	0	5	5	0	15	15
Industrial Process	0	15	15	0	2	2	0	13	13
Cooling tower & thermopack	0	52	52	0	45	45	0	7	7
Gardening	0	11	11	0	11	11	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 to 5 m bgl and 5 to 10 mbgl
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	15 cmd
	STP technology:	Biological STP
	Capacity of STP (CMD):	15 cmd
	Location & area of the STP:	within plot
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of debris/ Demolition waste
	Disposal of the construction waste debris:	Debris/ Demolition waste will be reused for leveling of plot
Waste generation in the operation Phase:	**Dry waste:**	Glass waste- 0.5 TPM, Paper Waste- 0.05 TPM, Cotton waste- 0.05 TPM, E-waste- 2 TPM
	Wet waste:	--
	Hazardous waste:	ETP Waste, Process residue & waste Residue, 30% HCl, Used oil, Spent Carbon and filter medium, Spent Acid, CaCl2 Solution, Empty barrels/ Carboys/ containers / Empty glass bottles/ liners contaminated with hazardous chemicals / waste, Spent Catalyst, Spent Solvent, Inorganic Salt, Off specification products
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	Yes.
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	Sale to MoEFCC/ SPCB authorized recyclers / party
	Wet waste:	--
	Hazardous waste:	CHWTSDF/ Sale to authorized Re processor
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	Will be used onsite as manure
	Others if any:	--
Area requirement:	**Location(s):**	Within plot
	Area for the storage of waste & other material:	Will be detailed in EIA
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	--
	O & M cost:	Rs. 4 Lakhs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5.5- 9	6.5 to 9	6.5 to 9
2	Oil and grease	mg/lit	15	< 10	< 10
3	BOD	mg/lit	1000	< 100	< 100
4	TSS	mg/lit	300	< 100	< 100
5	COD	mg/lit	2500	< 250	< 250
6	TDS	mg/lit	4000	< 2100	< 2100

Amount of effluent generation (CMD):	20 cmd
Capacity of the ETP:	20 cmd
Amount of treated effluent recycled :	Nil
Amount of water send to the CETP:	20 cmd
Membership of CETP (if require):	CETP membership will be obtained
Note on ETP technology to be used	Primary, secondary and tertiary treatment
Disposal of the ETP sludge	ETP sludge will be sent to CHWTSDF for disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	35.3	TPM	--	1	1	CHWTSDF
2	Process residue & waste	28.1	TPM	--	1	1	CHWTSDF
3	Residue	28.1	TPM	--	1	1	CHWTSDF
4	30% HCl	26.3	TPM	--	1.5	1.5	Authorised reprocessor/recycler
5	Used oil	5.1	TPM	--	1	1	Authorised reprocessor/recycler
6	Spent Carbon and filter medium	36.2	TPM	--	1	1	CHWTSDF

7	Spent Acid	26.3	TPM	--	2	2	Authorised reprocessor/recycler
8	CaCl2 Solution	--	TPM	--	1	1	Authorised reprocessor/recycler
9	Empty barrels/ Carboys/ containers /Empty glass bottles / liners contaminated with hazardous chemicals/ waste	33.1	Nos/ month	--	1000	1000	Authorised reprocessor/recycler
10	Spent Catalyst	26.5	TPM	--	0.5	0.5	Authorised reprocessor/recycler
11	Spent Solvent	20.2	TPM	--	1	1	CHWTSDF/Authorized reprocessor
12	Inorganic Salt	B15	TPM	--	1	1	CHWTSDF
13	Off specification products	28.4	TPM	--	1	1	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (1 TPH steam)	Furnace oil- 1600 kg/day OR Natural Gas- 1700 Nm3/ Day	1	30	As per std	As per std
2	DG set (750 KVA)	HSD- 225 Lit/Hr	2	5.5 above roof	As per std	As per std
3	DG set (750 KVA)	HSD- 225 Lit/Hr	3	5.5 above roof	As per std	As per std
4	Acidic gases vent	--	4	11	As per std	As per std
5	Alkaline gases vent	--	5	11	As per std	As per std

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	--	1600 kg/ day	1600 kg/ day
2	Natural gas	--	1700 Nm3/ Day	1700 Nm3/ Day
3	HSD	--	450 Lit/ Hr	450 Lit/ Hr
41.Source of Fuel		From nearby source		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	Green belt: 2567 sq. m
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	~ 50 nos.
	List of proposed native trees :	--
	Timeline for completion of plantation :	As per project development

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	2000 KVA
	DG set as Power back-up during construction phase	2 DG sets (750 KVA each)
	During Operation phase (Connected load):	2000 KVA (proposed)
	During Operation phase (Demand load):	2000 KVA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	2 DG sets of 750 KVA each
	Fuel used:	HSD for DG sets
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air emissions	--	Stack height, Scrubbers for process emissions
Effluent generation	--	ETP, STP
Hazardous waste	--	CHWTSDF, Authorized reprocessors

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	From Utilities, Process and DG set	12	12
2	Environmental Monitoring	Environmental Monitoring	--	10
3	Water Pollution Control	ETP	100	12
4	Hazardous Waste and Solid waste management	Storage and Disposal of Hazardous waste and Non hazardous waste	--	4
5	Green Belt Development	Development and Maintenance of Green Belt	10	12
6	Occupational Health and Safety	PPE, Safety Tanning	105	12

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Furnace oil	proposed	Within plot	3	2	2	Local	By road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	746 sq.m
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Min. 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B, Synthetic organic chemical manufacturing facility
	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	05-02-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

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

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

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

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

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during the 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.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of board of directors and memorandum of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations.
4) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.
6) PP to carry out HAZOP and QRA and submit disaster management plan with repsect to the hazardous processess and handling of high potency drugs.
7) PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.
8) PP to submit hazardous chemical handling protocol
9) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.
10) PP to prepare laboratory safety manual for all the labs propsoed in the project. PP to submit format of technology transfer document considering environmental and safety factors.
11) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.

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.

Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Proposed Common Bio- Medical Waste Treatment, Storage, and Disposal Facility

Is a Violation Case: No

1.Name of Project	Proposed Common Bio- Medical Waste Treatment, Storage, and Disposal Facility by Wise Ecocare & Farmtech Pvt. Ltd. at Plot No. E-35, Khamgaon MIDC, Village Sutala (BK), Taluka Khamgaon, District: Buldhana.
2.Type of institution	Private
3.Name of Project Proponent	Wise Ecocare & Farmtech Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. ltd.
5.Type of project	Others (Common Bio- Medical Waste Treatment, Storage, and Disposal Facility)
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. E-35, Khamgaon MIDC, Village Sutala (BK), Taluka Khamgaon, District: Buldhana.
9.Taluka	Taluka Khamgaon
10.Village	Village Sutala (BK)
Correspondence Name:	Mr. Harshad Hend (Director)
Room Number:	Wise Ecocare & Farmtech Pvt. Ltd. Opp. Panchayat Samiti, Nandura Road, Khamgaon, Dist. Buldhana, Maharashtra, India – 444303
Floor:	NA
Building Name:	NA
Road/Street Name:	Nandura Road
Locality:	Opp. Panchayat Samiti, Nandura Road, Khamgaon,
City:	Khamgaon
11.Area of the project	MIDC Khamgaon, Dist : Buldhana
12.IOD/IOA/Concession/Plan Approval Number	Proposed project is located at MIDC Khamgaon
	IOD/IOA/Concession/Plan Approval Number: Will apply shortly for plan approval to MIDC
	Approved Built-up Area: 951.69
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC
15.Total Plot Area (sq. m.)	3629 sq. m.
16.Deductions	NA
17.Net Plot area	3629 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 951.69
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 12-07-2018
19.Total ground coverage (m2)	936.155 Sq. mtr.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.80 %
21.Estimated cost of the project	23800000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	Not Applicable
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not Applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
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	Bio - Medical Waste disposed through Incinerator (Capacity 100 Kg/hr)	0	52.27 MT/M (1809 Kg/Day)	52.27 MT/M (1809 Kg/Day)
2	Bio - Medical Waste disposed through Autoclave (Capacity 50 Kg/hr)	0	13.56 MT/M (452 Kg/Day)	13.56 MT/M (452 Kg/Day

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	18
	Recycled water - Flushing (CMD):	5.6
	Recycled water - Gardening (CMD):	4
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	27.6
	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):	18
	Recycled water - Flushing (CMD):	5.6
	Recycled water - Gardening (CMD):	Water from RWH will be used
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	27.6
	Fire fighting - Underground water tank(CMD):	Not Applicable
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	Not Applicable
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	2	2	0	0.10	0.10	0	1.90	1.90
Industrial Process	0	21.6	21.6	0	12.0	12.0	0	9.6	9.6
Gardening	0	4	4	0	4	4	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon 7 m bgl, 2.9 m post monsoon bgl.
	Size and no of RWH tank(s) and Quantity:	5 cubic meter tank 1 No
	Location of the RWH tank(s):	Underground, within plot
	Quantity of recharge pits:	1 No.
	Size of recharge pits :	1m x 1m
	Budgetary allocation (Capital cost) :	Rs. 2 Lac
	Budgetary allocation (O & M cost) :	Rs. 0.10 Lac per year
	Details of UGT tanks if any :	1 No. for Rain Water Harvesting System
35.Storm water drainage	**Natural water drainage pattern:**	North side connected to MIDC Drainage
	Quantity of storm water:	0.04 m3/sec
	Size of SWD:	1 ft * 1 ft
Sewage and Waste water	**Sewage generation in KLD:**	1.90 cmd
	STP technology:	Not Applicable as domestic sewage will be soaked in soak pit and overflow if any will be used for gardening .
	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:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	Autoclaved/Shredded Plastic Waste - 17 TPM , Sharp - 2.5 TPM
	Wet waste:	NA
	Hazardous waste:	(37. 2) Incinerated Ash - 2.0 MT/M & (35.3) ETP Sludge - 1.0 MT/M
	Biomedical waste (If applicable):	NA as application is for CBMWTSDF
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Collection, storage and sold to authorized recyclers & Encapsulation
	Wet waste:	Not Applicable
	Hazardous waste:	Collection, Storage and disposal to CHWTSDF Site
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Utility Area
	Area for the storage of waste & other material:	208 sq. mtr.
	Area for machinery:	434.05 Sq. mtr.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3 Lakhs
	O & M cost:	Rs. 2 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5.5 - 9	7-8	6.5 - 9
2	COD	mg/l	250	< 250	250
3	BOD	mg/l	100	< 100	100
4	TDS	mg/l	< 2100	< 2100	2100
5	TSS	mg/l	10,000	< 100	100
6	O & G	mg/l	< 10	< 10	10
7	Chlorides	mg/l	< 600	<600	<600
8	Sulphates	mg/l	< 1000	<1000	<1000

Amount of effluent generation (CMD):	9.6 cmd
Capacity of the ETP:	10 cmd
Amount of treated effluent recycled :	9.6 cmd treated effluent generated from ETP. Total effluent generated will be treated & recycled for venturi scrubber.
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Seal Pit > Receiving Sump > DWPE Dosing > Flocculator > Filtration Bag > Collection Sump > Filtration Bag > Collection Sump > Filter Feed Pump > Dual Media Filter > Treated Water Recycled to Venturi Scrubber
Disposal of the ETP sludge	ETP sludge will be disposed to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Incinerated Ash	37. 2	MT/M	0	2.0	2.0	Collection, Storage and disposal to CHWTSDF Site
2	ETP Sludge	35.3	MT/M	0	1.0	1.0	Collection, Storage and disposal to CHWTSDF Site

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	Incinerator	LDO/ HSD: 15 Kg/hr	1 No.	30 mtr	--	--
2	DG set (100 KVA)	HSD :20 lit/hr	1 No.	8 mtr	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO/ HSD	0	15 Kg/hr	15 Kg/hr
2	HSD	0	20 lit/hr	20 lit/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	1206.41 Sq. mtr.
	No of trees to be cut :	NA
	Number of trees to be planted :	Suitable no. of species will be planted as per proposed green belt area. - 120 Nos.
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Within six months after receiving Environmental Clearance.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Polyalthia longifolia	Ashok	80	--
2	Azadirachta indica	Kaduneem	15	--
3	Ficus religiosa	Pimpal	15	--
4	Neolamarckia cada	Kadamb	10	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	100 KW
	During Operation phase (Demand load):	100 KW
	Transformer:	100 KVA - Transformer
	DG set as Power back-up during operation phase:	1 No. of 100 KVA
	Fuel used:	HSD- 20 Lit/hr
	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
Air	NA	Venturi Scrubber
Water	NA	Effluent Treatment Plant
Noise	NA	Enclosure/ PPE
Solid Waste	NA	Disposed to CHWTSDF / Recycler

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Venturi Scrubber	20.0	1.0

2	Water Pollution control	Effluent Treatment Plant	22.0	3.0
3	Noise Pollution control	Enclosure/ PPE	0.5	0.2
4	Environment Monitoring / Management	Env. Monitoring of different parameters	0.5	0.3
5	Occupational Health & Safety	OHC	0.5	0.2
6	Green Belt Development	Green Belt	1.0	0.4
7	Hazardous waste & Solid waste management	Disposed to CHWTSDF / Recycler	3.0	2.0
8	Green initiative (Rain water harvesting)	Rain Water Harvesting	2.5	0.2

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	1 No. entry and 1 No. of exist will be provided.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	112 sq.mtr
	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:	5 nos. of waste transport vehicles.
	Public Transport:	NA
	Width of all Internal roads (m):	as per norms - 6 mtr wide roads.

	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No Protected Areas / Critically Polluted areas / Eco-sensitive areas in study area. Dyanganga Wildlife Sanctuary is located approx. 13 Km from Project site boundary.
	Category as per schedule of EIA Notification sheet	7(da) - B
	Court cases pending if any	Not Applicable
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-05-2018

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
19. Total Ground Coverage (m2)	936.155 Sq. mtr	1023.69 Sq. m.
20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.80%	28.21%
31. Production Details - Product - 1. Biomedical Waste Incinerator	Proposed - 52.27 MT/M (1809 Kg/Day) & Total - 52.27 MT/M (1809 Kg/Day)	Existing - 0 , Proposed - 150 Kg/hr & Total - 150 Kg/hr
31. Production Details - Product - 2. Biomedical Waste Autoclave	Proposed - 13.56 MT/M (452 Kg/Day) & Total - 13.56 MT/M (452 Kg/Day)	Existing - 0 ,Proposed - 500 Lit/Batch & Total - 500 Lit/Batch
31. Production Details - Product - 3. Biomedical Waste Shredder.	Not Added	Existing - 0 , Proposed - 50 Kg/hr & Total - 50 Kg/hr
32. Total Water Requirement	Dry Season - Fresh water (CMD): 18 cmd; Recycled water - Flushing (CMD): 5.6 cmd; Total Water Requirement (CMD): 27.6 cmd	Dry Season - Fresh water (CMD): 21.5 cmd; Recycled water - Flushing (CMD): 9.5 cmd (Process Water); Total Water Requirement (CMD): 35 cmd
32. Total Water Requirement	Wet Season - Fresh water (CMD): 18 cmd; Recycled water - Flushing (CMD): 5.6 cmd; Total Water Requirement (CMD): 27.6 cmd	Wet Season - Fresh water (CMD): 21.5 cmd; Recycled water - Flushing (CMD): 13.5 cmd (Process Water); Total Water Requirement (CMD): 35 cmd
33. Details of Total water consumed	Industrial Process - Consumption - Proposed - 21.6 & Total 21.6	Industrial Process - Consumption - Proposed - 29 & Total 29
33. Details of Total water consumed	Industrial Process - Loss - Proposed 12 & Total 12	Industrial Process - Loss - Proposed 17.4 & Total 17.4

33. Details of Total water consumed	Industrial Process - Effluent - Proposed - 9.6 & Total 9.6	Industrial Process - Effluent - Proposed - 11.6 & Total 11.6
35.Storm water drainage	Quantity of storm water: - 0.04 m3/sec	Quantity of storm water: - 0.0135 m3/sec
35.Storm water drainage	Size of SWD : 1 ft * 1 ft	Size of SWD : 1 ft * 1 ft * 2 Nos.
36.Sewage and waste water	STP technology : Not Applicable as domestic sewage will be soaked in soak pit and overflow if any will be used for gardening.	STP technology : Sewage will be treated in Modular STP and treated water will be used for Gardening / Green Belt.
38.Effluent Characteristics	Amount of effluent generation (CMD): 9.6 cmd	Amount of effluent generation (CMD): 11.6 cmd
38.Effluent Characteristics	Capacity of the ETP: 10 cmd	Capacity of the ETP: 15 m3
38.Effluent Characteristics	Amount of treated effluent recycled : 9.6 cmd treated effluent generated from ETP. Total effluent generated will be treated & recycled for venturi scrubber	Amount of treated effluent recycled : 11.6 cmd treated effluent generated from ETP. Total effluent generated will be treated & recycled for venturi scrubber
40.Stacks emission Details	1. Incinerator - Fuel Used with Quantity - LDO/ HSD: 15 Kg/hr	1. Incinerator - Fuel Used with Quantity - LDO/ HSD: 40 - 60 (max) Kg/hr
41.Details of Fuel to be used	1. LDO/ HSD: Existing : 0 ; Proposed: 15 Kg/ hr & Total- 15 Kg/ hr	1. LDO/ HSD: Existing : 0 ; Proposed: LDO/ HSD: 40 - 60 (max) Kg/hr & Total- LDO/ HSD: 40 - 60 (max) Kg/hr
54. Traffic Management	Parking details: Total Parking area: 112 sq.mtr	Parking details: Total Parking area: 303.91 Sq. mtr (within Plot) + 450 Sq. mtr. (Outside Plot - Additional Parking Space)

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 7(d)a as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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

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

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

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

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during the 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.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of board of directors and memorandum of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of culde-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to comply with the standard conditions stipulated for the Bio Medical Waste facility in the Office Memrandum issued by MoEF&CC dated 4th January, 2019 for the preparation of EIA/EMP report.
4) PP to submit action plan for point wise compliance of the Bio Medical Waste Rules, 2016.
5) PP to design incinerator as per guidelines prescribed by CPCB and include details in the EIA report.
6) PP to carry out survey to decided on the quantum of the waste expected to be recived for treatment; PP to justify proposed capacity of the incinerator with respect to the expected quantity of BioMEdical Waste.
7) PP to include detailed plan of segregation, collection, transport, storage, treatment and disposla of BioMedical Waste in the EIA report inlcuding numbers of vehicles and features of the vehicles to be engaed for waste collection.
8) PP to submit details of the waste storage facilities/rooms.
9) PP to include details of waste generated from the treatment facility and its scientific disposal in the EIA report.
10) PP to include details of the fuel requirement and storage for the incineration in the EIA report.
11) PP to include details of waste heat recovery if any.
12) PP to inlcude details of waste water treatment and disposal in the EIA report.
13) PP to submit landuse map based on satellite imagery including location of specific sensitives such as national parks/wild life snactury, villages, industries etc.
14) PP to include details of the pollution control equipment/technologies and online monitoring equipments in the EIA report.
15) PP to prepare detailed plan and implementation action plan for training and awareness campaign of the workers on site and staff of the hospitals for segregation and collection of the BioMEdical Waste. PP to prepare specific program to monitor safety and health protection of the workers and inlcude it in the EIA report.
16) PP to inlcude EMP devised to mitigate the adverse impacts of the project along with item-wise cost of its implementation (capital and recurring costs).
17) PP to submit emergency preparedness plan.
18) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

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.

Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Expansion of Synthetic Organic Chemicals Manufacturing facility.

Is a Violation Case: Yes

1.Name of Project	Expansion of Synthetic Organic Chemicals Manufacturing facility at Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik by Spak Orgo Chem (India) Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	Spak Orgo Chem (India) Private Limited.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik, Maharashtra
9.Taluka	Nashik
10.Village	MIDC Satpur
Correspondence Name:	Ameya Jogalekar
Room Number:	H-8, MIDC, Satpur, Dist : Nashik
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Not applicable
Locality:	MIDC Satpur
City:	Nashik
11.Area of the project	Not Applicable
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Consent to establish was obtained from MPCB in the year 2010 and consent to operate with expansion having consent validity upto 31.05.2017 in the year 2012 from the MPCB regional office without obtaining environmental clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan Approved by MIDC
15.Total Plot Area (sq. m.)	4234.85 sq. m
16.Deductions	Not applicable
17.Net Plot area	4234.85 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 07-04-2018
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	38707565

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Organic Surfactants	76.5	0	76.5
2	Organic Esters	131.3	0	131.3
3	Poly Electrolytes	18.0	0	18.0
4	Amides and other esters and surfactants	60.0	0	60.0

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	3.5	0	3.5	0.5	0	0.5	3.0	0	3.0
Industrial Process	8.0	0	8.0	0	0	0	8.0	0	8.0
Cooling tower & thermopack	19.2	0	19.2	16.5	0	16.5	2.7	0	2.7
Gardening	1	0	1	1	0	1	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Not Applicable
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	3.0 cmd
	STP technology:	Not Applicable as Soak Pit is provided for discharge of sewage generated & overflow if any is used for Gardening.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	HDPE drums : 50 Nos. / Month & Plastic bags : 400 Nos./ month
	Wet waste:	Not Applicable
	Hazardous waste:	Category 35.3 : ETP sludge - 10 Kg/ Day
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Sale to Authorized party
	Wet waste:	Not applicable
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Utility Area
	Area for the storage of waste & other material:	30 Sq. mtr.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	8.5	6.5-7	5.5- 9.0
2	COD	mg/lit	7000-10000	700-1300	< 250
3	BOD	mg/lit	3200	200-275	< 100
4	TDS	mg/lit	3000	0-40	< 2100
5	TSS	mg/lit	10000	150-200	<100
6	Oil & Grease	mg/lit	600	8-9	<10
7	Sulphate	mg/lit	1400-1800	400	< 1000
8	Chlorides	mg/lit	650	<600	< 600

Amount of effluent generation (CMD):	Trade Effluent - 10.7 cmd
Capacity of the ETP:	11 cmd
Amount of treated effluent recycled :	10.7 cmd
Amount of water send to the CETP:	Not Applicable (It is Zero Liquid Discharge Unit)
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Primary, Secondary and Tertiary Treatment including MEE
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	Kg/day	10	0	10	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (capacity 1.5 Ton/hr)	Briquette 2.47 Ton/day	1	30	0.450	175

2	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	2	20	0.350	170
3	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	3	20	0.350	170
4	DG Set 200 KVA (Proposed)	HSD 20 Lit/hr	4	as per norms	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	2.47 Ton/day	0	2.47 Ton/day
2	Furnace oil	368 kg/day	0	368 kg/day
3	HSD	0 lit/hr	20 Lit/hr	20 Lit/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA
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	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	180 KVA
	During Operation phase (Demand load):	180 KVA
	Transformer:	Not Applicable
	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:	Not Applicable

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 (capacity 1.5 Ton/hr) & TFH (2 nos.) - (capacity 2 Lac kcal /hr each)	Stack height as per CPCB guidelines	Not Applicable
DG Set (200 KVA)	Not Applicable	Stack height as per CPCB guidelines

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	NA	NA	NA	NA

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
P.K.OIL	existing	at site	20 KL	20 KL	51	local	By Road
CFA	existing	at site	20 KL	20 KL	145.3	local	By Road
RBFA/OLEIC ACID	existing	at site	20 KL	20 KL	145.3	local	By Road
Sorbitol Mono Laurate (finish product)	existing	at site	25 KL	25 KL	0	local	By Road
Sorbitol Mono Oleate (finish product)	existing	at site	16 KL	16 KL	0	local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	As per Rule
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f) - B
	Court cases pending if any	No, Not Applicable
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for grnat of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018, PP applied for the grant of ToR to the MoEF&CC and SEIAA vide Unique ID No. 1199 on 11th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

The proposal was considered in the 151st meeting of SEAC-1 held on 25.05.2018 whrein the proposal was deferred for following reason,

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

Hence deferred.

DECISION OF SEAC

During deliberation PP requested to postpone the case.

Hence, deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal.Kindly find SEAC decision above.

Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Proposed Expansion of MS. Billets Manufacturing Unit (From 2000 TPM to 30000 TPM) and TMT bar Manufacturing (3000 TPM) by M/s. Gajalaxmi Steel Pvt. Ltd. At Plot No. F – 4, 5, 6, Phase - II, Additional MIDC, Jalna, Dist – Jalna, Maharashtra.

Is a Violation Case: No

1.Name of Project	Proposed Expansion of MS. Billets Manufacturing Unit (From 2000 TPM to 30000 TPM) and TMT bar Manufacturing (3000 TPM) by M/s. Gajalaxmi Steel Pvt. Ltd. At Plot No. F – 4, 5, 6, Phase - II, Additional MIDC, Jalna, Dist – Jalna, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Gajalaxmi Steel Pvt. Ltd.
4.Name of Consultant	Building Environment India Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of MS Billets Manufacturing (From 2000 TPM to 30000 TPM) and Proposed TMT Bar Manufacturing (3000 TPM)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Earlier EC was not required because production capacity was less than threshold limit of 30000 TPA
8.Location of the project	Plot No. F – 4, 5, 6, Phase - II, Additional MIDC, Jalna
9.Taluka	Jalna
10.Village	Jalna
Correspondence Name:	Mr. Anoop Jajoo
Room Number:	Plot No. F – 4, 5, 6
Floor:	-
Building Name:	Gajalaxmi Steel Pvt. Ltd.
Road/Street Name:	-
Locality:	Phase – II, Additional MIDC, Jalna
City:	Jalna
11.Area of the project	MIDC Jalna
12.IOD/IOA/Concession/Plan Approval Number	Industry is already existing. Expansion Building Plan has been approved by MIDC vide letter no. DB/IFMS/B-79041/OF 2015 dated 16/06/2015.
	IOD/IOA/Concession/Plan Approval Number: Industry is already existing. Expansion Building Plan has been approved by MIDC vide letter no. DB/IFMS/B-79041/OF 2015 dated 16/06/2015.
	Approved Built-up Area: 7745.70
13.Note on the initiated work (If applicable)	Expansion yet to start
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	15682.00 sqm
16.Deductions	Not applicable
17.Net Plot area	15682.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 7745.70
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 7745.70
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14110.00
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 16-06-2015
19.Total ground coverage (m2)	5118.85

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.64
21.Estimated cost of the project	40.44

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	225 No. of Workers
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)	60 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9-12 m
29.Existing structure (s) if any	It is an expansion project. Hence industry is operating with 2000 TPM production of MS. Billets.
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	2000	28000	30000
2	TMT Bar	0	3000	3000

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	100
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	100
	Fire fighting - Underground water tank(CMD):	50000 lit
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	100
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	100
	Fire fighting - Underground water tank(CMD):	50000 lit
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	2.5	7.5	10	1	1	2	1.5	6.5	8
Cooling tower & thermopack	5	65	70	1	58	59	4	7	11
Industrial Process	5	15	20	0	0	0	5	15	20

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.84 to 16.20 m bgl
	Size and no of RWH tank(s) and Quantity:	3 No. 10mX10mX5m
	Location of the RWH tank(s):	Near Green Belt, Near Office Building & Near Storage Yard
	Quantity of recharge pits:	1
	Size of recharge pits :	2m x 2m x 2m
	Budgetary allocation (Capital cost) :	Rs. 40000/-
	Budgetary allocation (O & M cost) :	Rs. 5000 per year
	Details of UGT tanks if any :	1 UGT tank – 5m x 9m x 1.5m
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern by gravity
	Quantity of storm water:	70 m3
	Size of SWD:	300 x 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	8 KLD of generated sewage will be led down to the septic tank followed by soak pit.
	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:**	There will be marginal construction. Top Soil - 200 m3; Construction Debris - 2 MT; Metal Scrap - 2 MT.
	Disposal of the construction waste debris:	Generated Construction waste such as excavated top soil will be preserved for green belt development. In addition to that construction material such MS scrape will be used existing furnace for billets manufacturing. Other waste like corrugated box, papers, plastic will be disposed of through authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	50 kg/day
	Wet waste:	15 kg/day
	Hazardous waste:	No hazardous waste generated
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Slag from Furnace – 50 MT/Day

Mode of Disposal of waste:	**Dry waste:**	Generated domestic and commercial dry waste of 50 kg/day will be disposed as per current practice i.e. through authorized vendor. Industrial process waste slag 50 MT/ Da/y used in road construction. Commercial waste corrugated box, wooden box, plastic approx. 50 kg/ Day disposed of through authorized vendor.
	Wet waste:	15 kg/day wet waste from canteen will be disposed through authorized waste collectors of Municipal Corporation.
	Hazardous waste:	No Hazardous Waste is generated.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Near Weigh Bridge
	Area for the storage of waste & other material:	786 m2
	Area for machinery:	786 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3.50 Lakhs
	O & M cost:	Rs. 50000 / annum

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):	There will be no trade effluent generation. 11 KLD of cooling tower blow down is the only effluent generation. Cooling tower blow down is being collected in settling tank in which water scaling in the form of TDS is allowed to settle down and after that supernatant water is being used for dust suppression purpose.
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

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 (Existing 10 MT/ Heat)	Electricity	1	30	1.2	95 0C
2	Induction Furnace (Proposed 15 MT/ Heat)	Electricity	1	30	1.5	100 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	4995 kVA	5105 kVA	10100 kVA
41.Source of Fuel		MSEDCL		
42.Mode of Transportation of fuel to site		Transmission Line		

43.Green Belt Development	**Total RG area :**	5200.00 sqm
	No of trees to be cut :	Not Applicable (There is no tree felling in proposed expansion)
	Number of trees to be planted :	100
	List of proposed native trees :	100
	Timeline for completion of plantation :	approx. 1 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusopes alengi	Bakul	15	Evergreen tree, timber yielding
2	Azadirctca indica	Neem	20	Evergreen Medicinal Plant
3	Pongamea Pinnata	Karanj	15	Medicinal Plant
4	Saraca Indica	Sita Ashok	10	Evergreen Medicinal Plant
5	Syzygiam cumini	Jambhul	5	Fruit tree and bird attracting tree
6	Neolamarkia cadamba	Kadamb	10	Tropical fruit tree and bird attracting
7	Vitex negundo	Nirgudi	10	Evergreen Medicinal Plant
8	Bombax ceiba	Savar	15	Medicinal Plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Existing Power Supply will be used
	DG set as Power back-up during construction phase	Existing DG will be used.
	During Operation phase (Connected load):	10100 kVA
	During Operation phase (Demand load):	10100 kVA
	Transformer:	-
	DG set as Power back-up during operation phase:	2 x 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	None

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	Venturi Dust Collector Provided	Dust Collector with Wet Scrubber
Water	Septic Tank with Soak Pit	Existing Septic Tank and Soak Pit are capable to cater the proposed load.
Solid Waste	Collection, Segregation	Collection, Segregation

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	For Construction	For Construction	80

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Stack – emission control	120.00	8.00

2	Water & Waste water	Water & waste water	15.00	0.30
3	Green Belt	Green Belt	5.00	1.40
4	Envt. Monitoring	Envt. Monitoring	--	0.75
5	Other aspects like RWH, safety, security, etc.	Other aspects like RWH, safety, security, etc.	2.50	1
6	Contingency	Contingency	3.00	0.50

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	1626.00 m2
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	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):	9-12 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No Protected areas in the vicinity of 10 km from the site

	Category as per schedule of EIA Notification sheet	3 (a) Metallurgical industries (ferrous & non-ferrous) Secondary metallurgy operation of Furnace only with capacity >30,000 TPA
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-10-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

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

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

PP to carry out Public Hearing as per procedure stipulated in the EIA Notification 2006 along with proposed plan to implement the same with specific timelines.

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

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

PP to carry out Public Consultation as per procedure stipulated in the EIA Notification, 2006 and submit point wise compliance of the issues raised during Public Consultation.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during the 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.

SEAC-1 decided to make a site visit to see the layout, location of storages of raw material and finished products, adequacy of land etc. The details of the site visit will be communicated to the PP well in advance.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of board of directors and memorandum of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations.
4) PP to carry out study and submit report on global warming potential of the process (generation of CO2gas/tons of product) as the process is very energy intensive. PP to carry ut heat integration study and submit reprot along with propsoed measures to be taken.
5) PP to submit Risk Assessment reprot along with propsed mitigation mesaures.
6) PP to submit detailed plan for the strage and resue/ dispsoal of waste slag.
7) PP to include water and carbon foot print monitoring in the EMP.
8) PP to submit Traffic Impact Study commenting on existing traffic in side and out side, proposed traffic increase and its impact of near by road and proposed mitigation measures.
9) PP to use new and renewable energy source for the illumination of office buidling, street lights, parking areas etc.
10) PP to carry out heat integration study and explore possibilities for reuse of waste heat.

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.

Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Proposed Expansion of Existing Industrial Activity of M/s. Hemmo Pharmaceuticals Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	M/s. Hemmo Pharmaceuticals Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Haresh Ahuja
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Industry 5(f) Category B
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No, PP has not obtained Environmental Clearance for existing project
8.Location of the project	C-43, Off Thane Belapur Road TTC MIDC, Near NOCIL RCD Square
9.Taluka	Thane
10.Village	Pawane Village
Correspondence Name:	Mr. Haresh Ahuja
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	C-43, Off Thane Belapur road TTC MIDC Pawane Village, Near NOCIL RCD Square, Maharashtra - 400613
Locality:	Pawane
City:	Thane
11.Area of the project	Industry is located in Turbhe MIDC
12.IOD/IOA/Concession/Plan Approval Number	Industry is having approved plan from MIDC - DE/MHP/D 34141 /dt. 26.11.2014
	IOD/IOA/Concession/Plan Approval Number: DE/MHP/D 34141 /dt.26.11.2014
	Approved Built-up Area: 4171.29
13.Note on the initiated work (If applicable)	Existing Industry is already in operation & no work related to proposed expansion has been initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4631.00 sq. m.
16.Deductions	NA
17.Net Plot area	4631.00 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4474.44
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 4474.44
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 4171.29
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 26-11-2014
19.Total ground coverage (m2)	1781.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38%
21.Estimated cost of the project	615861000

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 as it is an industry
24.Number of expected residents / users	This is an industry and Total expected population shall be 180 (Existing 140 and Proposed 40)
25.Tenant density per hectare	Not applicable as it is an industry
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning Radius is 9.0 m
29.Existing structure (s) if any	Admin Building, ETP, Electrical & AHU Room, DG Room, Boiler Room, Lab
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Oxytocin – Bulk Drugs (In solution and Powder form)	0.004	0.002	0.006
2	Other Peptides (Leuprorelin, Desmopressin, Somatostatin, Tetracosactide,Gonadorelin, Calcitonin, Terlipressin, Octreotide, Buserelin, Decapeptide, Cetrorelix, Carbetocin, Bivalirudin, Goserelin, Triptorelin, Glatiramer, Linaclotide, Eptifibatide, Vasopressin, Salmon GnRH A, Atosiban, Degarelix, Exenatide, MBP Peptides, ACTH (Corticotropin), Glucagon, GL Peptide Custom Peptides, Peptides/Amino Acid based peptides, Liraglutide, Abaloparatide, Teriparatide	0.002	0.002	0.004

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	187.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	14.5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	202.0
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	115
	Excess treated water	61.67
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	187.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	202.0
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	115
	Excess treated water	76.17
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	15.0	5.1	20.1	4.6	1.0	5.6	10.4	4.1	14.5
Industrial Process	35.27	24.32	59.59	0.0	0.0	0.0	35.85	24.72	60.57
Cooling tower & thermopack	80.5	27.3	107.8	77.2	26.2	103.5	3.3	1.1	4.3
Gardening	2.0	12.5	14.5	2.0	12.5	14.5	0	0	0

Fresh water requirement	130.8	56.7	187.5	81.8	27.3	109.1	49.6	29.9	79.4

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-10 m
	Size and no of RWH tank(s) and Quantity:	1 tank of 4.2m*4.0m*3.0m; Volume-50,000 Lit
	Location of the RWH tank(s):	Beside D.G Set
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	3.0 Lakh
	Budgetary allocation (O & M cost) :	0.2 Lakh
	Details of UGT tanks if any :	UGT having 2 Lakh Liters capacity is provided.
35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	302.83 m3/hr.
	Size of SWD:	500mm*450mm
Sewage and Waste water	**Sewage generation in KLD:**	14.5 KLD
	STP technology:	Currently having septic tank, Industry has proposed 20CMD STP based on MBBR technology
	Capacity of STP (CMD):	20 CMD *1 No. of STP
	Location & area of the STP:	Beside ETP Plant
	Budgetary allocation (Capital cost):	24 Lakh [STP - 12.0 Lakh, ETP - 12.0 Lakh]
	Budgetary allocation (O & M cost):	3.8 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris
	Disposal of the construction waste debris:	Industry is already in operation. PP has proposed Construction of Sheds, storage tanks, Waste likely to generate is concrete which will be very less. The waste will be utilized within site for internal roads, higher plinth and filling low laying acres
Waste generation in the operation Phase:	**Dry waste:**	Non-Biodegradable waste - 21.6 kg/day , Inert waste - 8.1 kg/day , Container – 146470 Nos./Yr
	Wet waste:	Biodegradable Waste = 24.3 kg/day
	Hazardous waste:	Spent Solvent = 75 m3/month, Process waste & residue = 137 kg/month, ETP sludge = 53.42 kg/month, Used Oil = 100lit/M
	Biomedical waste (If applicable):	1200 Kg/year
	STP Sludge (Dry sludge):	78 kg/month
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sent to Navi Mumbai Municipal Corporation; STP Sludge will be used as Manures
	Wet waste:	Sent to Navi Mumbai Municipal Corporation
	Hazardous waste:	Spent Solvent sent to Authorized Recycler/ Reprocessor, Process waste & residue & ETP Sludge sent to CHWTSDF, Used Oil sent to Authorized Recycler
	Biomedical waste (If applicable):	Sent to Authorized disposal facility
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	South West Corner of the plot
	Area for the storage of waste & other material:	25 sq.m. for storage
	Area for machinery:	N.A. [As no onsite treatment facility]
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1.07 lakh
	O & M cost:	2.0 lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	TDS	mg/l	1164	784	<=2100
2	pH	-	4.5	7.32	5.5-9
3	BOD (3 Days 27 0C)	mg/l	118	27	<=100
4	Suspended Solids	mg/l	142	62.4	<=100
5	COD	mg/l	654	142	<=250
6	Oil & Grease	mg/l	8.9	2.1	<=10
7	Phinolic Compound	mg/l	1.2	0.12	<=1
8	Free Ammonia	mg/l	5.8	1.0	<=5
9	Sulphide as S	mg/l	2.5	0.53	<=2
10	Nitrate Nitrogen	mg/l	19.2	4.4	<=20
11	Bio - Assay Test (90%)	%	--	90	90

Amount of effluent generation (CMD):	64.91
Capacity of the ETP:	Existing = 50 CMD, Same shall be augmented to the 75CMD
Amount of treated effluent recycled :	14.5 CMD
Amount of water send to the CETP:	61.67
Membership of CETP (if require):	Yes industry has obtained CETP membership
Note on ETP technology to be used	Fenton's Technology
Disposal of the ETP sludge	ETP Sludge generated will be disposed to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Solvent	28.6	m3/month	50.0	25.0	75.0	Authorize recycler/re-processor

2	Process waste & residue	28.1	kg/month	30.0	107.0	137.0	CHWTSDF
3	ETP Sludge	35.3	kg/month	43.42	10.0	53.42	CHWTSDF
4	Used Oil	5.1	Lit/month	0.0	100.0	100.0	Authorized Recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set 500 KVA*2	HSD = 200 lit/hr	2	9	0.2245	155 0C
2	Boiler (1250 kg/hr	PNG = 245 SCM/Day	1(Common Stack has been provided for both Existing and proposed Boiler (After proposed expansion existing 850kg/hr Boiler will be treated as standby arrangement)	21	0.3	150 0C
3	Boiler (1250 kg/hr	PNG = 505SCM/Day	1(Common Stack has been provided for both Existing and proposed Boiler (After proposed expansion existing 850kg/hr Boiler will be treated as standby arrangement)	21	0.3	150 0C
4	Process Reactor (150 litres)	NA	1	14	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	100.0 lit/hr	100.0 lit/hr	200.0 lit/hr
2	PNG	245 SCM/Day	505 SCM/Day	750 SCM/Day
41.Source of Fuel		Market and local Vendor		
42.Mode of Transportation of fuel to site		Truck and Tanker		

43.Green Belt Development	**Total RG area :**	1528.0 m2
	No of trees to be cut :	0
	Number of trees to be planted :	Existing- 92 Nos ; Proposed- 136 Nos
	List of proposed native trees :	List of Trees is given below
	Timeline for completion of plantation :	Already Planted 92 trees. Proposed plant of 136 trees after obtaining EC

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manilkara zapota	Chiku	23	Acetone extracts of the seeds exhibited in vitro antibacterial effects against strains of Pseudomonas oleovorans and Vibrio cholerae.
2	Mangifera indica	Mango	27	Dried Flowers are used as medical cure
3	Terminalia catappa	Badam	9	Almond grows best in Mediterranean climates with warm, dry summers and mild, wet winters.
4	Azadirachta indica	Neem tree	8	Ideal source for insecticide and pesticide
5	Ficus religiosa	Vat tree	13	Listed as an "environmental weed" or "naturalised weed" by the Global Compendium of Weeds.
6	Cassia fistula	Amaltas	18	It is an Ornamental plant and is also used in herbal medicine. The species is native to the Indian subcontinent and adjacent regions of Southeast Asia
7	Syzygium cumini	Jamun	7	The seed of the fruit is used in various alternative healing systems like Ayurveda,Unani and Chinese medicine. It has a high source in vitamin A and vitamin C
8	Dalbergia sissoo	Sheesham	8	Dalbergia sissoo, known commonly as North Indian rosewood, is a fast-growing, hardy deciduous rosewood tree
9	Tectona grandis	Teak	8	It is resistant to termite attacks and damage caused by other insects.
10	Terminalia arjuna	Arjun	15	Arjuna has traditionally been used to treat heart disease for centuries.
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)	950 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1400 KW
	During Operation phase (Demand load):	950 KVA
	Transformer:	1200 KVA
	DG set as Power back-up during operation phase:	500 KVA * 2
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Industry have taken the effort to use natural resources available such as solar light. The industry is also using solar street light to lighten up the internal road

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar street lights	2%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process Reactor	Ammonia Scrubber	NA
Process Reactor	Process Scrubber	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	13.34 Lakh
	O & M cost:	1.05 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

1	Air Pollution Control System	Existing + Proposed	13.34	1.05
2	Water pollution Control System (ETP)	Existing + Proposed	87.63	8.51
3	Solid waste Management	Existing + Proposed	1.07	2.00
4	Occupational Health and Safety	Existing + Proposed	Nil	2.00
5	Environmental Monitoring	Existing + Proposed	Nil	1.39
6	Green Belt Development	Existing + Proposed	12.00	3.72

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
Amino Acid	Crystalline Solid	Solvent Drum Store	0.75	0.754	0.237	Vendor	Air Cargo
Resin	Solid and highly viscous	Solvent Drum Store	0.08	0.08	0.016	Vendor	Air Cargo
Reagents	Liquid	Solvent Drum Store	4.3	4.3	15.20	Vendor	By Sea/ Road
Solvent	Liquid	Solvent Drum Store	5.1	5.1	73.081	Vendor	By Sea/ Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	556.0sq.m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	16
	Number of 4-Wheelers as approved by competent authority:	6
	Public Transport:	0
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-08-2017

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.As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on 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. The treated effluent will be dispsoed off at CETP.
Drainage pattern of the project	PP considered contour levels during design of storm water drains.
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 950 KVA which will be supplied by MSEDCL. PP proposes two numbers of 500 KVA DG Sets.
Traffic circulation system and risk assessment	PP proposes internal roads with minimum six meter width and nine meters of turning radius for smooth circulation of traffic.
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. 113.97 Lakhs as capital cost and Rs. 16.67 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 148th meeting of SEAC-1 held on 26.02.2018 where in ToR was granted.

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

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.

1. PP to submit history about transfer of the proposed plot from time to time till date. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.

2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc. PP to ensure all construction on site are as per National Building Code.

3. PP to provide revised product list in the consolidated statement with maximum capping quantity for each product.

4. PP to submit copies of all the consents along with their manufacturing quantities.PP to submit details in the tabular format.

5. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.

6. PP to submit product wise water balance along with quantities of effluent generation, design of effluent treatment plant and disposal of treated effluent.

7. PP to provide packaged STP for the treatment of domestic sewage.

8. PP to carry out additional surface water sampling of the three lakes in the study area and include in the EIA report.

9. PP to carry out HAZOP and QRA and submit report

10. PP to submit hazardous chemical handling protocol

11. PP to provide lightening arrestor.

12. PP to submit CETP NOC for additional effluent load to be discharged to the CETP.

13. PP to ensure 2.5 % funds for CSR and submit detailed CSR plan to be prepared in consultation with the District Collector along with implementation schedule.

PP submitted EIA/EMP report for appraisal in 158th meeting wherein the proposal was deferred.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant SEAC decided to defer the proposal till submission of compliance of following points.

Specific Conditions by SEAC:

1) PP to upload revised Form-II and EIA/EMP report.
2) PP to submit storm water draina and rain water harvesting calculations.
3) PP to prepare and submit CER plan prepared in consultation with the District Collector as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal.Kindly find SEAC decision above.

Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Industrial Project- Mettalurgical Unit

Is a Violation Case: No

1.Name of Project	M/s Kalika Steel and Alloys Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ghansyam C Goyal
4.Name of Consultant	Enviro Resources
5.Type of project	Industrial Estate- Metallurgical Unit
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	Earlier EC obtained from SEAC, vide letter No. SEAC-2014/CR-32/TC-2 dated 30.09.2014
8.Location of the project	C-7,8,9,10/2,10/3 & 11, Phase I, Additional MIDC, Jalna
9.Taluka	Jalna
10.Village	--
Correspondence Name:	C-7,8,9,10/2,10/3 & 11, Phase I, Additional MIDC, Jalna
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	Jalna
City:	Jalna
11.Area of the project	MIDC, Jalna
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 28905
13.Note on the initiated work (If applicable)	for proposed expansion work is not initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	65055
16.Deductions	NA
17.Net Plot area	65055
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.): 28905
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** --
	Approved Non FSI area (sq. m.): --
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	28905
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	~45 %
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	NA	NA	NA

23.Number of tenants and shops	NA
24.Number of expected residents / users	~900 Nos.
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)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	yes, we have received earlier EC, so existing structure is there
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	M.S. Billets and/or MS Structural Bar, Angle & Channels	800 MTD	1000 MTD	1800 MTD

32.Total Water Requirement

Dry season:	**Source of water**	MIDC and artificial lake
	Fresh water (CMD):	249.4
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	29.2 recycle + 15.8 fresh
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	326.1
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	0
Wet season:	**Source of water**	MIDC and artificial lake
	Fresh water (CMD):	204.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	281.2
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	0
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	13.5	27	40.5	2.7	5.4	8.1	10.8	21.6	32.4
Cooling tower & thermopack	80	119	199	73.3	109.6	183.3	6.3	9.4	15.7
Industrial Process	18	23	41	3.6	5.6	9.2	14.4	17.4	31.8
Gardening	20	25	45	20	25	45	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 m
	Size and no of RWH tank(s) and Quantity:	5X4X2m Tanks 3 Nos.
	Location of the RWH tank(s):	Near Shed and office building
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.10,00,000/
	Budgetary allocation (O & M cost) :	Rs.1,50,000/
	Details of UGT tanks if any :	3 Nos. 40 m3 each
35.Storm water drainage	**Natural water drainage pattern:**	as per contour
	Quantity of storm water:	~18.3 m3/hr
	Size of SWD:	0.6x1.2 m
Sewage and Waste water	**Sewage generation in KLD:**	32.4
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	40
	Location & area of the STP:	near plot C-8, area - 55 m2
	Budgetary allocation (Capital cost):	Rs. 35,00,000/-
	Budgetary allocation (O & M cost):	Rs. 7,20,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Only foundation & fabrication work
	Disposal of the construction waste debris:	Reused at site
Waste generation in the operation Phase:	**Dry waste:**	284 kg/d
	Wet waste:	121 kg/d
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	approx. 3 kg/d
	Others if any:	Slag 90 TPD

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized vendor
	Wet waste:	Will be treated off-site by authorized vendors
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	used as manure
	Others if any:	After crushing, slag will be used for building and road construction.
Area requirement:	**Location(s):**	near STP
	Area for the storage of waste & other material:	100 m2
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60,00,000/-
	O & M cost:	Rs. 1,75,000 /- per month

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:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Primary Settling and pH correction as required
Disposal of the ETP sludge	Shall be mixed with Slag

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	Sch I - 5.1	L/Annum	5	10	15	Sell 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	Furnace	Electricity	1	35	1.5	150
2	Furnace (Proposed)	Electricity	1	45	1.5	150

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	26,600 KVA	33,250 KVA	59,850 KVA

41.Source of Fuel	MSEDCL
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development	**Total RG area :**	21,468 m2
	No of trees to be cut :	0
	Number of trees to be planted :	650
	List of proposed native trees :	Neem, Peepel, Audumber, Mango and other native trees
	Timeline for completion of plantation :	Around 6 months

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	Azadirctca indica	Neem	100	medicinal plant
2	Neolamarkia cadamba	Kadamb	100	Tropical fruit tree & bird attracting tree
3	Vitex negundo	Nirgudi	100	medicinal plant
4	Syzygiam cumini	Jambhul	100	fruit tree & bird attracting
5	Saracaindica	Sitaashok	100	Evergreen medicinal plant
6	Mimusopeselengi	Bakul	150	Evergreen tree, timber yielding and medicinal plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	60 KVA
	During Operation phase (Connected load):	26600 KVA
	During Operation phase (Demand load):	59850 kVA
	Transformer:	--
	DG set as Power back-up during operation phase:	Total 3 Nos. 1500, 500 & 200 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Furnace	Ventury Scrubber with Cyclone Separator	Ventury Scrubber with Cyclone Separator

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	TPM, SO2, NOx	5
2	Water Environment	On-site Sanitation Facilities, Water Sprinkling	2
3	Noise Environment	PPE & Maintenance of Equipment	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 Environment	Construction of stack for Furnace, Installation of new scrubber, cyclone separator, fume collection hood and required equipment'	280.0	12.0
2	Water Environment	Up gradation of Existing STP	35.0	7.2
3	Green Belt	Green belt development activity	20.0	4.8
4	Noise Environment	PPEs for workers, enclosures to all noise generating equipment's	4.0	1.0
5	Environment Monitoring & Management	Quarterly Environment Monitoring (Per year)	--	2.64
6	Occupational Health & Safety	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers, Occupational Health (training, OHC center)	10.0	3.0

7	Solid Waste Management	Installation of crusher with higher capacity and its Management	60.0	1.75
8	Rain Water Harvesting Tank	Construction of RWH tank for ground water recharge . Annual Cleaning up and maintenance of RWH tank	10.0	1.5
9	Environmental Cell & PR	Formation of Environmental Cell	-	12.0
10	Contingency	Resources for contingency plan and their maintenance	30.0	3.0

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:	2 Gates IN-OUT Adjusent/adjoining Roads
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7855.00
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	NA
	Width of all Internal roads (m):	6-9m
	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	Schedule 3(a), Cat. B
	Court cases pending if any	No
	Other Relevant Informations	NA
	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
4	Ultra-Tech	M/s Enviro Resources
21	219.89 Crores	150 Crores
32	Dry Season: Fresh Water CMD - 257	Dry Season: Fresh Water CMD - 249.4
32	Dry Season: Recycled Water Flushing CMD - 23	Dry Season: Recycled Water Flushing CMD - 0
32	Dry Season: Recycled Water Gardening CMD - 10 recycle + 35 fresh	Dry Season: Recycled Water Gardening CMD - 29.2 recycle + 15.8 fresh
32	Wet Season: Fresh Water CMD - 257	Wet Season: Fresh Water CMD - 204.5
33	Domestic: Loss: (Ex, Pro, Total) - 3, 3, 8	Domestic: Loss: (Ex, Pro, Total) - 2.7, 5.4, 8.1
33	Domestic: Effluent: (Ex, Pro, Total) - 11, 22, 33	Domestic: Effluent: (Ex, Pro, Total) - 10.8, 21.6, 32.4
33	Cooling Tower: Consumption: (Ex, Pro, Total) - 110, 90, 200	Cooling Tower: Consumption: (Ex, Pro, Total) - 80, 119, 199
33	Cooling Tower: Loss: (Ex, Pro, Total) - 90, 200, 0	Cooling Tower: Loss: (Ex, Pro, Total) - 73.3, 109.6, 183.3
33	Cooling Tower: Effluent: (Ex, Pro, Total) - 0, 0, 0	Cooling Tower: Effluent: (Ex, Pro, Total) - 6.3, 9.4, 15.7
33	Industrial Process: Consumption: (Ex, Pro, Total) - 20, 20, 40	Industrial Process: Consumption: (Ex, Pro, Total) - 18, 23, 41
33	Industrial Process: Loss: (Ex, Pro, Total) - 2, 2, 4	Industrial Process: Loss: (Ex, Pro, Total) - 3.6, 5.6, 9.2
33	Industrial Process: Effluent: (Ex, Pro, Total) - 18, 18, 36	Industrial Process: Effluent: (Ex, Pro, Total) - 14.4, 17.4, 31.8
34	Size and no of RWH tank(s) - 10x10x5m, Tanks 2 Nos.	Size and no of RWH tank(s) - 5x4x2m, Tanks 3 Nos.
35	Sewage and Waste water: Sewage Generation KLD - 41	Sewage and Waste water: Sewage Generation KLD - 32,4
37	Capacity of the ETP: NA	Capacity of the ETP: 30 m3/day
37	Amount of treated effluent recycled: NA	Amount of treated effluent recycled: 27 m3/day

37	Note on ETP Technology to be used: NA	Note on ETP Technology to be used: Primary Settling and pH correction as required
38	Description: NA, Cat: NA, UOM: NA, Ex: NA, Pro: NA, Total: NA, Method of Disposal: NA	Description: Spent Oil, Cat: Sch I - 5.1, UOM: litres/annum, Ex: 5, Pro: 10, Total: 15, Method of Disposal: Sell to Authorized Recycler
43	Total RG Area: 15,500 m2	Total RG Area: 21,468 m2
43	Number of trees to be planted: 250	Number of trees to be planted: 650
50	Capital Cost: NA, O&M Cost: NA	Capital Cost: 280 lacs, O&M Cost: 12 lacs
51	Operation Phase: 8 - NA	Operation Phase: 8 - Solid Waste Management - Cap Cost 60 lacs, Rec Cost 1.75 lacs
51	Operation Phase: 9 - NA	Operation Phase: 9 - Occupational Health & Safety - Cap Cost 10 lacs, Rec Cost 3.0 lacs
51	Operation Phase: 10 - NA	Operation Phase: 10 - Noise Environment - Cap Cost 4.0 lacs, Rec Cost 1.0 lacs

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 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 143rd meeting held on 12.10.2017.

Public hearing was conducted on .....

Now PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant SEAC decided to defer the porposal till the submission of compliance of following points.

Specific Conditions by SEAC:

1) PP to submit point wise compliance of the consitions stipulated in the earlier Environmental Clearance and the consent letter issued by MPCB.
2) PP to submit revised layout plan of the amalgamated (composite) plot as per point No. 2 of additional ToR point.
3) PP to submit copy of amalhamation letter /plan for all proposed plots.
4) PP to submit details of proposed mitigation measures to reduce Global Warming Potential.
5) PP to submit action plan for the compliance of the observations made during Heat Recovery Study.
6) PP to submit propsoed mitigation measures for the identified risk on site.
7) PP to submit details of Environment Management Cell.
8) PP to submit details on the storage and disposal of waste slag.

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal.Kindly find SEAC decision above.

Agenda of 163rd Meeting of State Level Expert Appraisal Committee - 1 (SEAC-1) (Day - 4)

SEAC Meeting number: 163 **Meeting Date** March 15, 2019

Subject: Environment Clearance for Expansion of MS Billet/TMT Bars manufacturing facilities.

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	M/s Geetai Steels Pvt. Ltd., Jalna.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashish Agrawal
4.Name of Consultant	M/s. Mantras Green Resources Limited,Nashik
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and modernization Project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	YES, REFERENCE NO: SEAC: 2010/CR-836/TC-2
8.Location of the project	Plot no: F-21, F-22,F-22 Part I, F-22 part: II, Addl. MIDC area Phase II, Jalna, Dist: Jalna
9.Taluka	Jalna
10.Village	Jalna
Correspondence Name:	Plot no: F-21, F-22,F-22 Part I, F-22 part: II, Addl. MIDC area Phase II, Jalna, Dist: Jalna
Room Number:	00
Floor:	00
Building Name:	NA
Road/Street Name:	MIDC AREA JALNA
Locality:	MIDC JALNA
City:	JALNA
11.Area of the project	Industrial Area
12.IOD/IOA/Concession/Plan Approval Number	00
	IOD/IOA/Concession/Plan Approval Number: No
	Approved Built-up Area: 15950.77
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	39021.0sq.m
16.Deductions	00
17.Net Plot area	00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 00
	b) Non FSI area (sq. m.): 00
	c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 09-02-2016
19.Total ground coverage (m2)	00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	00
24.Number of expected residents / users	00
25.Tenant density per hectare	00
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	JALNA 05 KMS FROM THE FACTORY, 06 METERS WIDE AND 09 METERS TURNING RADIUS IS PROVIDED.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	09 METERS TURNING RADIUS IS PROVIDED
29.Existing structure (s) if any	EXISTING MS BILLET PLANT SHED, ROLLING MILL SHED, SCRAP STORAGE SHED, FINISHED GOOD STORAGE YARD AND OTHER UTILITIES.
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	MS Billets and TMT bars	6000	30,000	36,000

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	133
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	20(Treated water from STP will be used for gardening)
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	133
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	400
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	133
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	20(Treated water from STP will be used for gardening)
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	133
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	400
	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	13	10	23	02	01	03	11	09	20
Industrial Process	20	70	90	10	35	45	10(REUSE AFTER COOLING)	35(REUSE AFTER COOLING)	45(REUSE AFTER COOLING)
Gardening	10	10	20	10	10	20	00	00	00

Fresh water requirement	43	90	133	00	00	00	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	BELOW 15 METERS
	Size and no of RWH tank(s) and Quantity:	about 500 cmd storage capacity.
	Location of the RWH tank(s):	in premises and adjacent land.
	Quantity of recharge pits:	1
	Size of recharge pits :	details is enclosed final EIA
	Budgetary allocation (Capital cost) :	10.00 Lacs
	Budgetary allocation (O & M cost) :	0.5 lacs
	Details of UGT tanks if any :	400 CMD UGT is provided for fire fighting.
35.Storm water drainage	**Natural water drainage pattern:**	details incorporated in EIA
	Quantity of storm water:	details incorporated in EIA
	Size of SWD:	details incorporated in EIA
Sewage and Waste water	**Sewage generation in KLD:**	20 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	01 nos 25 CMD capacity.
	Location & area of the STP:	in own premises
	Budgetary allocation (Capital cost):	10.00 LACS
	Budgetary allocation (O & M cost):	1.2 LACS

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction will be on plan barren land, there no any demolition so that no any solid waste will be generate.
	Disposal of the construction waste debris:	land filling and levelling
Waste generation in the operation Phase:	**Dry waste:**	burnt slag 03 %
	Wet waste:	STP sludge will be used for gardening as manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	STP sludge will be used for gardening as manure.
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	sold to brick manufacturers
	Wet waste:	Zero discharge unit
	Hazardous waste:	No
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	STP sludge will be used for gardening as manure.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Not Applicable
	Area for the storage of waste & other material:	will be provide as per requirement nearby area.
	Area for machinery:	shed will be required. is at nearby area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lacs
	O & M cost:	1.5

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Fume extraction system	electricity 30.01mw	existing stack 01 nos (Proposed: 1 Nos)	existing stack height is 30 meters and proposed stack height is 45 Meters.	1.2 and 2.00 meters for proposed	40 to 45 degree Celsius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	10.01 MW	20.00 MW	30.01 MW
41.Source of Fuel		MSEDCL		
42.Mode of Transportation of fuel to site		MSEDCL		

43.Green Belt Development	**Total RG area :**	33% of open area will be provided or as per norms
	No of trees to be cut :	0
	Number of trees to be planted :	643
	List of proposed native trees :	Shirish,neem,aam,Ashoka,Bakul,Pangara
	Timeline for completion of plantation :	within construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shiris	100	Shady tree, yellowish green fragrant flowers
2	Saraca asoka	Ashoka	200	Shady tree with red-yellow flowers.
3	Mimusops elengi	Bakul	123	Shady tree, small white fragrant flowers
4	Lagerstroemia flos-regineae	Tamhan	100	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Bauhinia racemosa	Aapta	120	Small tree with small white flowers, Butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	1 MW
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	10 MW
	During Operation phase (Demand load):	10 MW
	Transformer:	No
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

No

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	solar street light will be provided	as per requirement

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
induction Furnaces	Fumes extraction system followed by hood	Fumes extraction system followed by hood

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lacs App.
	O & M cost:	5 Lacs App.

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 device, chimney, water cooling arrangement, insulation etc	80
2	Wastewater management	Wastewater management	10
3	Solid Waste disposal	Solid Waste disposal	08

4	Green Belt	Development of Green belt by plantation of 643 plants,herbs and shrubs covering 33% area of total area	7
5	Monitoring	Environmental parameters to be monitored	--
6	Environmental Cell	Management of environment by Environment Management Department	--
7	Total	Total	107

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 device, chimney, water cooling arrangement, insulation etc	120	08
2	Wastewater management	Wastewater management	7	1.2
3	Solid Waste disposal	Solid Waste disposal	07	1
4	Green Belt	Development of Green belt by plantation of 643 plants,herbs and shrubs covering 33% area of total area	3	1
5	Monitoring	Environmental parameters to be monitored	--	2
6	Environmental Cell	Management of environment by Environment Management Department	--	2
7	Total	Total	137	15.2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	12 % area is provided.
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	06 meter wide and 09 meters turning radius
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	3 a as per EIA notification
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	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 in 138th meeting of SEAC-1 held on 01.06.2017 wherein ToR was grnated to the PP for the preparation of EIA /EMP reprot.

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

PP informed that they have obtained earlier Environment Clearance vide No. SEAC2010/CR-386/TC-2 dated 30.09.2011.

Now PP submitted EIA /EMP report for the appraisal.

Public Hearing was conducted on 19.11.2018.

PP has obtained certified complinace of the earlier EC on 26.02.2018 from Regional Office of MoEF&CC, Nagpur.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit copy of amalgamation plan/letter of all the plots.
2) PP to submit proper layout plan of amalgamated (composite) plot showing 33% green belt and proper connectivity of all internal roads for smooth movement of vehicles.
3) PP to submit point wise complinace of the conditions stipulated in the earlier EC letter.
4) PP to submit copy of point wise reply submitted to the MoEF&CC regional office on observation made during the visit.
5) PP to submit copy of structural stability certificate of the exisitng structures on the site.
6) PP to submit details of proposed Environmental Management Cell.
7) PP to submit details of proposed mitigation measures to reduce the Global Warming Potential.
8) PP to submit copy of Risk Assessment reprot along with mitigataion measures.

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal.Kindly find SEAC decision above.