Agenda of 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Proposed Common Biomedical Waste Treatment Facility

Is a Violation Case: No

1.Name of Project	Proposed Common Biomedical Waste Treatment Facility by Kolhapur Municipal Corporation and SS Services (Capacity: Incinerator- 250 Kgs/hr, Autoclave- 150 Kgs/hr and Shredder- 100 Kgs/Hr)
2.Type of institution	Government
3.Name of Project Proponent	Kolhapur Municipal Corporation (Owner) and SS Services (Operator)
4.Name of Consultant	SMS Envocare Ltd. Pune
5.Type of project	Other (Proposed Common Biomedical Waste Treatment Facility)
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	C.S. No. 29, Kasba Bavda Kolhapur
9.Taluka	Karveer
10.Village	Kasba Bavda
Correspondence Name:	Mr. Vijay Patil, Health Officer, Kolhapur Municipal Corporation and Abhay kumar Bandu Birnale, Partner, SS Services
Room Number:	814/2/1
Floor:	4th Floor
Building Name:	SHAHIN
Road/Street Name:	Jamadar colony
Locality:	Behind Circuit House
City:	Kolhapur
11.Whether in Corporation / Municipal / other area	Kolhapur Municipal Corporation area
12.IOD/IOA/Concession/Plan Approval Number	Total 4000 m2 of land has been identified for the facility. Approx. 1 Acer land is already acquired. This is a part of land reserved by KMC for Civic amenities in Municipal Solid Waste handling reserve area.
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 4000
13.Note on the initiated work (If applicable)	No any work is initiated. Existing facility will be removed by existing operator. New facility will be developed after securing Environmental Clearance as per EIA Notification 2006 and amendment dated 17th April,
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1 acre
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.): 4000
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: 01-12-2018
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	31000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable as this is CBWTF
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6 Meter wide road with 7.5 m turning radius
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As above
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	Not applicable as this is CBWTF	Not applicable as this is CBWTF	Not applicable as this is CBWTF	Not applicable as this is CBWTF

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	13
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	13
	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):	13
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	13
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	NA	1.5	1.5	NA	0.5	0.5	NA	1.0	1.0
Industrial Process	NA	8.0	8.0	NA	4.0	4.0	NA	4.0	4.0
Gardening	NA	2.0	2.0	NA	0.0	0.0	NA	0.0	0.0
Fresh water requirement	NA	1.5	1.5	NA	0.5	0.5	NA	1.3	1.3

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 m
	Size and no of RWH tank(s) and Quantity:	4x4 (16 m2)
	Location of the RWH tank(s):	North side of plant within RG area
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Included in total project cost
	Budgetary allocation (O & M cost) :	As above
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage if from South direction to North direction towards Panchganga River
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	1.0
	STP technology:	Sewage connected to ETP for treatment
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Waste, debris and domestic waste during construction phase of the project
	Disposal of the construction waste debris:	Construction waste shall be managed as per Construction & Demolition Waste Management Rule, 2016. Domestic solid waste shall be segregated into organic and inorganic waste. Organic waste shall be managed by composting. Inorganic waste shall be given to Authorized agency appointed KMC.
Waste generation in the operation Phase:	**Dry waste:**	During operation phase 30 persons will be engaged in operation phase and approx. 35 kg/day municipal solid waste is generated.
	Wet waste:	Small quantity of wet waste shall be generated.
	Hazardous waste:	Incineration ash- 100-200 kg/day, Residue Waste- 20-30 kg/day, ETP Sludge-100-125 Kg/month shall be generated.
	Biomedical waste (If applicable):	Biomedical waste may be generated in case of causality.
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Domestic solid waste shall be segregated into organic and inorganic waste. Organic waste shall be managed by composting. Inorganic waste shall be given to Authorized agency appointed KMC.
	Wet waste:	Small quantity of wet waste shall be generated which will be mostly organic and will be manage by composting/Can be send to Authorized agency appointed KMC.
	Hazardous waste:	Hazardous waste will be sent to nearest CHWTSDF located at Ranjangaon MIDC, Taluka Shirur, District Pune MH. Agreement will be made for the same. All generated hazardous waste shall be disposed as per Hazardous and Other Waste (Management and Trans -boundary movement) Rule 2016, Biomedical Waste Management Rule, 2016 or as per direction of MPCB.
	Biomedical waste (If applicable):	BBiomedical waste Shall be managed as per Biomedical Waste Management Rule, 2016. As this is a CBWTF so in house Biomedical waste can be managed within the unit.
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Total 4000 m2 of land has been identified for the facility. Approx. 1 Acer land is already acquired. This is a part of land reserved by KMC for Civic amenities in Municipal Solid Waste handling reserve area.
	Area for the storage of waste & other material:	Separate space has been provided in the layout for storage of Waste, Ash and other material.
	Area for machinery:	Area for machinery has been demarcated as per Revised Guidelines of CPCB for Establishment of Common Biomedical Waste Management Facility
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in total cost of the project
	O & M cost:	As above

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7-8.5	6.5-9.0	6.5-9.0
2	Oil & Grease	mg/l	20 to 30	10	10
3	BOD (3 days 27 oC)	mg/l	300 to 400	30	30
4	COD	mg/l	1500-2000	250	250
5	TSS	mg/l	1000-1200	100	100
6	TDS	mg/l	-	2100	2100

Amount of effluent generation (CMD):	6.3 KLD
Capacity of the ETP:	8.0 KLD
Amount of treated effluent recycled :	3-4 KLD
Amount of water send to the CETP:	Not applicable as treated effluent shall be mnaged within the unit and no waste water will be discharge out side from the plant premises.
Membership of CETP (if require):	Not applicable

Note on ETP technology to be used	Total water requirement of the proposed project is 13 CMD which is supplied from Kolhapur Municipal Corporation. Total 6.3 CMD of Effluent shall be generated from the proposed project. Looking to the quantity of effluent, an Effluent Treatment Plant of 8.0 CMD capacity has been proposed to treat the effluent considering 15% freeboard of wastewater generation. Treated effluent shall be used back to the treatment process of unit and excess water shall be used for plantation, water sprinkling and o
Disposal of the ETP sludge	125-145 kg/ day or dry sludge shall be generated. The same shall be send to nearest CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	HW CAT No. 34.2	MT/year	NA	52.93	52.93	Sent to CHWTSDF
2	Incineration Ash	BMW Cat. No.9	MT/year	NA	83.95	83.95	Sent to CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Incinerator	HSD	1	30	0.40	85.0
2	DG Sets	HSD	1	7.9	0.076	163.0

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	AS per requirement	As per Requirement
41.Source of Fuel		Local market		
42.Mode of Transportation of fuel to site		By local road		

43.Green Belt Development	**Total RG area :**	Total 2037.33 (50%) of total area shall be secured for Green Belt Development.
	No of trees to be cut :	No any tree will be removed
	Number of trees to be planted :	Total 350 plant (Tree-250 & Shrubs-100) will be planted including ground flora.
	List of proposed native trees :	Terminalia arjuna, Terminalia elliptica, Millingtonia hortensis, Tamarindus indica, Azadirachta indica, Bauhinia purpurea, Erythrina indica, Ficus glomerata, Michelia champaca, Polyalthia longifolia, Butea monosperma, Dalbergia sissoo, Cassia fistula, Alstonia scholaris, Holoptelea integrifolia, Allamanda cathartica etc. shall be planted.
	Timeline for completion of plantation :	Total 350 Plant species (Tree-250 & Shrubs-100) will be planted in entire 4 year plantation programs. Required nutrients/water/manure and protection mess shall be provided. Ground flora will also be developed in open area

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjuna	30	Reduce Noise Pollution
2	Albizia lebbeck	Fry wood	20	Sulphur Dioxide Absorbing species
3	Azadira chtaindica	Neem	20	Sulphur Dioxide Absorbing species

4	Polyalthia longifolia	Ashoka	30	Sulphur Dioxide Absorbing species
5	Grevillea ptehdifolia	Silky grevillea	20	Reduce Noise Pollution
6	Lagerstroemia flosreginae	Pride of India	30	Suspended Pollutant controlling Plant/Other Ornamental plant
7	Anthocephalus cadamba	Kadam	30	Suspended Pollutant controlling Plant/Other Ornamental plant
8	Bauhinia purpurea	Orchid Tree	30	Suspended Pollutant controlling Plant/Other Ornamental plant
9	Cassia fistula	Golden Shower tree	20	Suspended Pollutant controlling Plant/Other Ornamental plant
10	Michelia champaca	Orange champak	20	Suspended Pollutant controlling Plant/Other Ornamental 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	Shrubs species shall be planted as per availability of area	Shrubs species shall be planted as per availability of area	Shrubs species shall be planted as per availability of area

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Corporation Limited (MSEDCL) & DG Sets in case of emergency shutdown
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Total electricity requirement of the project is about 79.39 KVA. Required power will be sourced from Maharashtra State Electricity Distribution Corporation Limited (MSEDCL).
	During Operation phase (Demand load):	as above
	Transformer:	Required facility shall be provided to be connected with MSEDCL line
	DG set as Power back-up during operation phase:	DG set of 30 KVA (3 phase).
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Solar panels shall be installed in the gate and boundary of the facility which will reduce to consumption of electricity.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As above	As above

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Emission from Construction. Construction waste, dust emission during transportation of construction material, Noise pollution etc.. Incineration ash, emission from stack, Effluent generation and residue from the treatment and few quantity of Domestic waste shall be generated.	NA	Construction waste shall be managed as per C & D Management rule, 2016. All hazardous waste shall be managed as per Hazardous and Other waste (Management and Trans boundary) Rule, 2016. Solid Waste Shall be managed as per Solid Waste Management Rule, 2016. Incineration ash shall be stored and sent to CHWTSDF. Effluent Treatment Plant has been proposed for Effluent. The gases after being burnt at 1050°C shall be run into multi cyclone and a venturi scrubber followed by a flooded scrubber with mis

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in Project cost
	O & M cost:	As above

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 management	Regular water sprinkling and closed transportation of construction material etc	1.50
2	Water Pollution management	Supply of drinking water & arrangement of modular toilets	1.0
3	Solid & Haz. Waste Management	Storage and proper disposal of Solid waste, Haz. Waste, construction waste and other waste	2.0
4	Occupational health & Safety	Providing of PPEs, fire safety arrangements, first-aid facility	2.0
5	Others	Other as per requirement	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Management including instrumentation	Air Pollution Management including instrumentation. Water sprinkling etc.	5.0	3.0

2	Water and Waste water management	Effluent Treatment Plant, Arrangement for drinking water	5.0	4.0
3	Solid and hazardous waste management	Disposal of Hazardous waste management. Separate storage arrangement etc.	30.0	5.0
4	Greenbelt Development	Two tier plantations shall be developed including planting of Big, Medium Trees and shrubs and maintenance	15.0	5.0
5	Environmental Monitoring & Analysis	Arrangement for monitoring, Portable instruments purchases, regular monitoring etc.	5.0	8.0
6	Miscellaneous	Miscellaneous	0.0	2.0

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
Necessary arrangement has been provided to store the Incineration ash, ETP Sludge and Waste collected from Medical units.	Included in the design of unit	Within plant	As per requirement	As per Guidelines	As per requirement	Local market	By road transport

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Necessary arrangement for Internal road i.e. 6.0 m width with 7.5 m turning radius have been provided. Parking for 4 wheeler & two wheeler has also provided.

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Total 180 sq.m area has been provide as parking area.
	Area per car:	As above
	Area per car:	As above
	Number of 2-Wheelers as approved by competent authority:	As above
	Number of 4-Wheelers as approved by competent authority:	As above
	Public Transport:	Not involved
	Width of all Internal roads (m):	Minimum 6.0 m with 7.5 m of turning radius.
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No any National Park, Wild Life Sanctuary, Biosphere reserve present within the 10 km radius area from project site
	Category as per schedule of EIA Notification sheet	Category 7 (da) “Biomedical Waste Treatment Facilities” as per Amendment dated 17th April, 2015 of EIA Notification, 2006
	Court cases pending if any	No
	Other Relevant Informations	KMC has decided total 7 routs to cover the BMW generated from Kolhapur area. Total 8 vehicles have been provided. Out of 8 vehicles; 7 vehicles are operated for different routes and 1 vehicle is kept for standby. Details of the same are given in Revised EIA/EMP report and also in compliance of 158th (B) SEAC-I committee meeting date 4th January, 2019. Bar code system will be adopted in compliance to the BMWM Rules, 2016 by the Occupier as well as Operator of a CBWTF which helps in (i) tracking of waste from source of generation to final destination for final treatment and disposal; (ii) identification of waste in the event of source of generation in case waste is disposed of improperly; and (iii) Helps in quantification of bio-medical waste generated, colour coding-wise waste handed over to the CBWTF operator by the Occupier, for further treatment and disposal in accordance with the BMWM Rules, 2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-11-2018

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. The treated waste water will be reused in the process as well as will be used for gardening within the premises.
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 ETP for the treatment of waste water. The treated waste water will be reused for gardening within the premises and in the process.
Drainage pattern of the project	PP considered the contour levels while designing the drainage.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.
Solid Waste Management	The hazardous waste generated will be disposed off at CHWTSDF site.
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 79.39 KVA, which will be supplied by MSEDCL. PP also proposes to have 30 KVA set with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes to provide six meter wide internal roads with nine meter wide turning radius.
Landscape Plan	PP proposes 33% green belt within the premises.
Disaster management system and risk assessment	PP proposes to have emergency handling procedure and equipment.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.7.5 Lakh during construction phase and 60.00 Lakh as capital cost and Rs. 27.0 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	PP to ensure strict compliance to the Bio Medical Waste Management Rules, 2016 and conditions stipulated in the Environmental Clearance letter.

Brief information of the project by SEAC

PP obtained ToR in 130th meeting of SEAC-1 held on 1-2nd July, 2106. The proposal was considered again in 142nd meeting held on 13th September, 2017 wherein SEAC asked to conduct Public Hearing as per EIA Notification, 2006 and submit reprot along with

PP submitted EIA/EMP report along with Public Consultation report for appraisal in the 158th meeting held on 04.01.2019 wherein the proposal was deferred till compliance of the following points.

1. PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, 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.

2. PP to submit their alternate plan for the treatment and disposal of biomedical waste generated in their jurisdiction during the period of construction and commissioning of the proposed plant.

3. PP to submit revised water balance calculations and effleunt geenration calculations with respect to the capacity of Effluent Treatment Plant.

4. PP to collect samples from upstram and downstream of the river Panchaganga as baseline data and include the same in the EIA reprot.

5. PP to take utmost care to comply with the applicable regulations for the treatment and disposal of Municipal Solid Waste, Sewage Treatment etc. to avoid nuisence to the people residing nearby; PP to include same in the EIA reprot.

6. PP to submit detailed plan for redressal of various issues riased by the public during Public Consultation process. PP shall make necessary provision of funds required for this purpose and include cost in the EMP.

7. PP to include above points in the EIA/EMP and submit revised EIA/EMP report.

The proposal was considered in the 165th meeting of SEAC-1 wherein the proposal was deffred as PP was not submitted satosfactory compliance of the points.

Now PP submitted compliance report.

DECISION OF SEAC

The Public Hearing was conducted on 06.06.2018.

After detailed deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance to the SEIAA subject to the follwing conditions.

Specific Conditions by SEAC:

1) PP to ensure strict compliance of all the conditions stipulated in the Bio Medical Waste Management Rules, 2016.
2) PP to ensure treatment and disposal of their bio medical waste to the site at Ichalkaranji till proposed facility gets operated at Kolhapur.
3) PP to prepare and implement CER plan in consultation with the District Authority as per OM dated 01.05.2018.

FINAL RECOMMENDATION

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

Agenda of 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Melody Healthcare Pvt.Ltd

Is a Violation Case: No

1.Name of Project	Melody Healthcare Pvt.Ltd
2.Type of institution	Private
3.Name of Project Proponent	M. BABALADI
4.Name of Consultant	SGM CORPORATE CONSULTANT PVT LTD
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No – J 73 ,MIDC Tarapur.Boisar
9.Taluka	palghar
10.Village	Tarapur
Correspondence Name:	M. Babaladi
Room Number:	001
Floor:	Ground
Building Name:	Melody healthcare
Road/Street Name:	Tarapur
Locality:	Boisar
City:	Palghar
11.Whether in Corporation / Municipal / other area	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5599
16.Deductions	00
17.Net Plot area	5599
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.): 3600
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: 01-01-2000
19.Total ground coverage (m2)	2950
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	48
21.Estimated cost of the project	30000000

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	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.0
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Montelukast Sodium	0.30	0.70	1.00
2	Ramipril	0.150	0.0	0.150
3	Perindropil	0.050	0.150	0.200
4	Salbutamol and Derivative	0.275	0.725	1.00
5	Salmeterol Xinafoate	0.025	0.0	0.025
6	Tigecycline	0.002	0.018	0.020
7	Rosuvastatin	0.20	0.80	1.000
8	Terbutaline Sulphate	0.50	0.00	0.500
9	Tiotropium Bromide	0.01	0.00	0.010
10	formeterol Fumarate and derivative	0.025	0.027	0.052
11	Ipratropium Bromide	0.00	0.020	0.020
12	Teneligliptin	0.00	0.200	0.200
13	Levosimenden	0.00	0.020	0.020
14	Indaceterol Maleate	0.00	0.010	0.010
15	Vilanterol Trifenate	0.00	0.010	0.010
16	Umeclidium Bromide	0.00	0.010	0.010

17	Sugggamadex	0.00	0.025	0.025
18	Glycopyronnium Bromide	0.00	0.010	0.010
19	Rivaroxaban	0.00	0.100	0.100
20	Apixaban	0.00	0.050	0.050
21	Eravacycline	0.00	0.005	0.005
22	Omadacycline	0.00	0.005	0.005
23	Sarecycline	0.00	0.005	0.005
24	Macitentan	0.00	0.025	0.025
25	Roxadustat	0.00	0.025	0.025
26	Obetholic Acid	0.00	0.015	0.015
27	Semiglutide	0.00	0.015	0.015
28	Ticagelor	0.00	0.050	0.050
29	Abediterol	0.00	0.002	0.002
30	Voraxapar Sulfate	0.00	0.002	0.002
31	Raloxifene Hydrochloride	0.00	0.060	0.060

32.Total Water Requirement

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

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	3.0	5.0	8.0	0.6	1.0	1.6	2.4	4.0	6.4
Industrial Process	9.0	13.0	22.0	3.0	2.0	5.0	6.0	11.0	17.0
Cooling tower & thermopack	7.0	3.0	10.0	6.2	2.8	9.0	0.8	0.2	1.0
Gardening	5.0	0.0	5.0	5.0	0.0	5.0	0.0	00	0.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-6 m
	Size and no of RWH tank(s) and Quantity:	20 cum
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	2.5 Lakhs
	Budgetary allocation (O & M cost) :	0.25 Lakhs
	Details of UGT tanks if any :	100 cum fire fighting, 50 cum

35.Storm water drainage	**Natural water drainage pattern:**	MIDC drain
	Quantity of storm water:	0.08 cum/sec
	Size of SWD:	600 x 800 mm
Sewage and Waste water	**Sewage generation in KLD:**	6.4
	STP technology:	Spetik Tank
	Capacity of STP (CMD):	01
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	4.0 Lakhs
	Budgetary allocation (O & M cost):	0.75 Lakhs

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:**	35 Kg/day
	Wet waste:	35kg/day
	Hazardous waste:	details given below
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to local authority
	Wet waste:	Handed over to local authority
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5.5-6.5	6.5-7.5	6.5-8.5
2	BOD	mg/lit	3250-3600	<100	<100
3	COD	mg/lit	6500-8800	<250	<250
4	SS	mg/lit	1200-1450	<100	<100
5	Oil & Grease	mg/lit	120-140	<10	<10

Amount of effluent generation (CMD):	18
Capacity of the ETP:	40
Amount of treated effluent recycled :	05
Amount of water send to the CETP:	18
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Tertiary traetment with ME. we will achieve zero liquid dischage for additional effluent load
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residues & Wastes	28.1	kg/month	300	860	1160	CHWTSDF
2	Spent catalyst/Spent Carbon	28.2	kg/month	300	860	1160	CHWTSDF
3	Spent organic Solventses	28.5	kg/month	50	30	80	CHWTSDF
4	Discarded Container	33.3	No	450	350	800	MPCB Authorised vendor
5	other	34.3	kg/month	150	50	200	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	LDO/FO	1	30	0.9	120

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO/FO	500	100	600

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

43.Green Belt Development	**Total RG area :**	925 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	75
	List of proposed native trees :	enclosed
	Timeline for completion of plantation :	Dec 2020

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	05	Medicinal plant
2	Caryota urens	Fish Tail palm	15	Nitrogen fixer, ornamental plant
3	Neolmarkia cadamba	Kadamba tree	05	tropical fruit tree & bird attracting tree
4	Mimusopes elengi	Bakul	05	Evergreen tree,
5	Saraca indica	Ashoka	10	Evergreen medicinal plant
6	Michelia champaca	Sonchapha	10	Conical tree with fragrant flowers
7	Plumeria alba	Franjipani	15	Ornamental plant with
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	enclosed	enclosed	enclosed

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	800 KVA
	During Operation phase (Demand load):	550 KVA
	Transformer:	600 KVA
	DG set as Power back-up during operation phase:	250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED lights, solar light form compound

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lighting, Solar light for compund	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
effleunt	ETP	EVAPORATOR
Emission from process	scrubber	Scrubber
Noise	Acoustic enclosure	Acoustic enclosure
Hazardous waste	CHWTSDF	CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5.0 L
	O & M cost:	0.75 L

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	PM-10, PM 2.5, SO2 etc	18.0	2.50
2	Water Pollution control	pH, COD, BOD, TSS etc	95.0	8.50
3	Noise	Noise	10.0	0.50
4	Hazardous	Waste	4.0	3.0
5	Rain water Harvesting	Water conservation	2.5	0.50
6	Occupation Health & safety	Safety	35.0	5.0
7	Greenbelt	Plantation	12.0	2.50

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
annexure	annexure	annexure	annexure	annexure	annexure	annexure	annexure

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	02
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	300
	Area per car:	12.5 SQ.M
	Area per car:	12.5 SQ.M
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Bus, Train
	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	5.0 km from creek
	Category as per schedule of EIA Notification sheet	5 f(B1)
	Court cases pending if any	NA
	Other Relevant Informations	APPLIACTION UPLOADED ON moefWEBSITE ON 12/11/2018
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-11-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable

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

Brief information of the project by SEAC

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

The proposal was considered in the 163rd meeting of SEAC-1 held on 14.03.2019 wherein the proposal was deferred on PP's request.

DECISION OF SEAC

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

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

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.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing 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. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
4) PP to submit an undertaking for not violating any requirements of EIA Notification, 2006 amended from time to time.
5) PP to carry out life cycle analysis of all the products manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.
6) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
7) PP to include detailed water balance calculations along with design details of effluent treatment plant and copy of CETP permission to discharge treated effluent to the CETP in the EIA report.
8) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
9) PP to carry out HAZOP and QRA and submit disaster management plan.
10) 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.
11) PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
12) PP to submit structural stability certificate of existing building with respect to the proposed expansion.
13) PP to submit hazardous chemical handling protocol
14) PP to include water and carbon foot print monitoring in the EMP.
15) 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 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 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.Whether in Corporation / Municipal / other area	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	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.
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 ETP for the treatment of waste water. The treated waste water will be reused for gardening within the premises .
Drainage pattern of the project	PP considered the contour levels while designing the drainage.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits.
Solid Waste Management	PP proposes to sale hazardous waste to the Authorized recycler and waste slag will be used for road construction after crushing.
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 59850 KVA, which will be supplied by MSEDCL. PP also proposes to install DG set of capacity 1500 KVA, 500 KVA & 200 KVA respectively with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes to provide six meter wide internal roads with nine meter wide turning radius.
Landscape Plan	PP proposes 33% green belt within the premises.
Disaster management system and risk assessment	PP prepared On site emergency plan to handle the emergency situations.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.8.00 Lakh during construction phase and 449.00 Lakh as capital cost and Rs. 48.84 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	PP to explore possibility to plan processing of scrap on other plot so as to increase more open space on the plot for other activities like proper storage of waste slag etc.

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 wherein ToR was granted to the PP for the preparation of EIA/EMP report.

Public hearing was conducted on 19.11.2018

Now PP submitted EIA/EMP report for appraisal in the 163rd meeting wherein the proposal was deferred till submission of follwing points,

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.

Now PP submitted compliance of above points.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant SEAC decided to recommend the proposal for prior Environmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

1) PP to explore possibility to plan processing of scrap on other plot so as to increase more open space on the plot for other activities like proper storage of waste slag etc.
2) PP to ensure to dispose waste slag at evry four days to avoid uncontrolled dumping/accumulation of salg on site.
3) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Environmental Clearance for Proposed MS Billets (1,000 MTD) & Expansion of TMT Bars (77 MTD to 1,000 MTD) Manufacturing Unit

Is a Violation Case: No

1.Name of Project	M/s. Ganraj Ispat Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Gaurav Pramod Dugad
4.Name of Consultant	M/s. Mantras Green Resources Ltd.,Nashik
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project for M S Billet Manufacturing (Existing Rolling Mill)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable, (The Rolling mill is does not attract the provision of Prior Environmental clearance) Consent is issued by MPCB.
8.Location of the project	A-3,Supa MIDC
9.Taluka	Parner
10.Village	Supa
Correspondence Name:	Gaurav Pramod Dugad
Room Number:	Dugad Group,Sheth Shree Narayandas Dugad Chowk
Floor:	Pushpa Height
Building Name:	Pushpa Height
Road/Street Name:	Pune Satara Road
Locality:	Sheth Shree Narayandas Dugad Chowk
City:	Pune
11.Whether in Corporation / Municipal / other area	MIDC Supa
12.IOD/IOA/Concession/Plan Approval Number	MIDC
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 19228
13.Note on the initiated work (If applicable)	No work is initiated. Open land is available for proposed activity.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC Supa
15.Total Plot Area (sq. m.)	41498
16.Deductions	Not applicable
17.Net Plot area	41498
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 21-08-2014
19.Total ground coverage (m2)	00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	00
21.Estimated cost of the project	1200000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing rolling mill 2 nos shed is available, new shed for 1,2,3, Manufacturing of billets	Industrial shade will be constructed for Machineries.	Proposed Furnace shed and Rolling mill shed height will be 26 Meters Approximate

23.Number of tenants and shops	00
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)	20 meters MIDC approached road is adjacent to industry.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	09
29.Existing structure (s) if any	Existing rolling mill shed, raw material storage yard and office.
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	00	30,000	30,000
2	MS TMT Bars	2310	27690	30,000

32.Total Water Requirement

Dry season:	**Source of water**	Supa MIDC
	Fresh water (CMD):	122
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	23
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	145
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	00
Wet season:	**Source of water**	Supa MIDC
	Fresh water (CMD):	122
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	23
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	145
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	00
Details of Swimming pool (If any)	00	

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	07	20	27	01	03	04	06	17	23
Industrial Process	10	85	95	10	85	95	00	00	00
Gardening	06	17	23	06	17	23	06	17	23
Fresh water requirement	23	105	145	17	105	122	06	17	23

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 meter below.
	Size and no of RWH tank(s) and Quantity:	Proposed Rainwater harvesting will be one nos. and storage capacity will be five lack ltrs (Number and capacity of Tank will be increased or decreased if require)
	Location of the RWH tank(s):	Rainwater harvesting plan will be elaborate in Final EIA Report
	Quantity of recharge pits:	01
	Size of recharge pits :	Rainwater harvesting plan will be elaborate in Final EIA Report
	Budgetary allocation (Capital cost) :	08.00 Lacs
	Budgetary allocation (O & M cost) :	0.06 Lacs
	Details of UGT tanks if any :	Under ground tank will be designed . required total area 150 m3.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage will be constructed around the plant area.
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	**Sewage generation in KLD:**	23 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	25 CMD
	Location & area of the STP:	150 sq.mtr area within Premises
	Budgetary allocation (Capital cost):	15 lacs
	Budgetary allocation (O & M cost):	2.5 lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	Soil stacked separately will be utilized for plantation, debris will be utilized for land filling, other material will be disposed categorically as per MPCB norms.
Waste generation in the operation Phase:	**Dry waste:**	Process Slag, process dust: 30 to 50 MTD.
	Wet waste:	Sewage through septic tank
	Hazardous waste:	No any type of hazardous waste is generating in this unit
	Biomedical waste (If applicable):	No
	STP Sludge (Dry sludge):	STP Sludge : 0.5 MTA
	Others if any:	No

Mode of Disposal of waste:	**Dry waste:**	Sale to Brick Manufacturer
	Wet waste:	No
	Hazardous waste:	No
	Biomedical waste (If applicable):	No
	STP Sludge (Dry sludge):	Sale to Brick Manufacturer /Send to CHWTSDF/Landfilling process
	Others if any:	No
Area requirement:	**Location(s):**	Near to raw material Storage yard
	Area for the storage of waste & other material:	300 sqm
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	water will be used for only for cooling purpose , so no effluents will be Generated. Water will be cooled and again use for cooling. We are proposed to use new technology for cooling system, dry cooling tower it also reduces water consumption. Domestic waste water will be generated and it will be treat in STP. The treated water will be used for gardening.
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	Electricity	01	45	1.2	40 to 45 degree celsius
2	Existing Rolling Mill	Electricity	01	30	1.2	40 to 45 degree celsius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

1	Electricity	04 MW	15 MW	19 MW
41.Source of Fuel		MSEDCL		
42.Mode of Transportation of fuel to site		MSEDCL		

43.Green Belt Development	**Total RG area :**	33% area will be mark as per norms for green belt development
	No of trees to be cut :	00
	Number of trees to be planted :	1500
	List of proposed native trees :	Neem, Ashoka, Nilgiri, Aapta etc.
	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	Azadirachata Indica	Neem	200	Shady tree ,medicinal use
2	Ficus Religiosa	Peepal	100	semi deciduous
3	Mimusops elengi	Bakul	100	Shady tree ,small white fragrant flowers
4	Mangifera Indica	Mango	300	State Flowers tree of Maharashtra Medium sized tree beautiful purple flowers
5	Bauhinia Racemosa	Aapta	100	Small tree with small white flowers ,butterfly host plant
6	Ziziphus mauritiana	Ber	200	Fast Growing and hardy Plant
7	Termenalia chebula	herra	100	decidious tree , used is ayurveda as medicine
8	Tectona grandis	Teak	100	Hard wood tree
9	Acacia Dealbata	Silvar wattle	100	Fast Growing, evergreen shrub.
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	China rose	2x2	4
2	Garden croton	1x1	1
3	American aloe	2x2	4
4	Black physicnut	3x3	9

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):	15 MW
	During Operation phase (Demand load):	Existing : 4 MW & Proposed : 15 MW
	Transformer:	33 KV *3 nos.
	DG set as Power back-up during operation phase:	2 sets of 500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

solar system will be installed at office roof top, street light will be illuminated with solar system.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	No	00

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Existing Rolling Mill	30 meter stack is provided	Wet Scrubber is installed.
Induction Furnace	45 meter stack will be installed with lightning arrester	Fume extraction system followed by venturi scrubber with stack height 45 meters

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	05 Lacs
	O & M cost:	0.5 Lacs

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	dust suppression and water sprinkling	05
2	Wastewater management	STP	02
3	solid waste Managment	construction debris disposal	05

4	green belt development	green belt development	05
5	environmental Monitoring	Environmental parameters to be monitored	02

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	Pollution Control chimney ,water coiling arrangement insulation etc	150	15
2	Wastewater management	Wastewater management	15	2.5
3	Green belt	Development of green belt by plantation of 643 plants herbs and shrubs covering 33% area of total area	5	02
4	Environmental Monitoring and Managment	Air qulaity,Water and wastewater quality,Noise level,soil quality	8	3.5
5	solid waste managment	machinaries	36	08
6	environmental Management cell	for Management of environment	05	03

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:	Internal road width is 06 meter wide and turning radious is 09 meters, 12 % parking is provided which will be 4986 SQM.

Parking details:	**Number and area of basement:**	Traffic management plan will be elaborate in final EIA report .
	Number and area of podia:	Traffic management plan will be elaborate in final EIA report .
	Total Parking area:	Traffic management plan will be elaborate in final EIA report .
	Area per car:	Traffic management plan will be elaborate in final EIA report .
	Area per car:	Traffic management plan will be elaborate in final EIA report .
	Number of 2-Wheelers as approved by competent authority:	Traffic management plan will be elaborate in final EIA report .
	Number of 4-Wheelers as approved by competent authority:	Traffic management plan will be elaborate in final EIA report .
	Public Transport:	Traffic management plan will be elaborate in final EIA report .
	Width of all Internal roads (m):	Traffic management plan will be elaborate in final EIA report .
	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) B1
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-08-2017

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.
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	The water used in process will be reused after cooling.
Drainage pattern of the project	PP considered the contour levels while designing the drainage.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits.

Solid Waste Management	PP proposes to to sale solid waste to the brick manufacturer and hazardous waste will be sent to the CHWTSDF.
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 19 MW, which will be supplied by MSEDCL. PP also proposes to install 2 nos. DG set of capacity 500 KVA with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes to provide six meter wide internal roads with nine meter wide turning radius.
Landscape Plan	PP proposes 33% green belt within the premises.
Disaster management system and risk assessment	PP prepared On site emergency plan to handle the emergency situations.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.19.00 Lakh during construction phase and 219.00 Lakh as capital cost and Rs. 34.00 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	PP to explore possibility to plan processing of scrap on other plot so as to ensure proper handling & management of scrap in the proposed area.

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 of SEAC-1 held on 11.10.2017 wherein ToR was grnated to the PP for the preparation of the EIA/EMP report.

PP proposes to install two numbers of 40MT/Heat and one number of 20 MT/Heat of furnace.

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

Public Haring was conducted on 24.10.2018.

PP submitted EIA/EMP/Public Hearing report for appraisal in 161st meeting of SEAC-1 held on 16.02.2019 where in the proposal was deferred till submission of compliance of following points.

1. PP to provide minimum 5 meter wide green belt along the periphery of the proposed plot and submit revised layoout plan.

2. PP to carry out Risk Assessment of the activities and submit report along with proposed mitigation measures.

3. PP to carry out heat integration study and submit reprot with respect to the possibility of heat recovery and reuse.

4. PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

5. PP to submit details of utilization/resue/disposal of slag generated from the propsoed activity.

Now PP submitted the compliance of above points.

DECISION OF SEAC

After deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environemntal Clearance subject to the follwing conditions.

Specific Conditions by SEAC:

1) PP to explore possibility to plan processing of scrap on other plot so as to ensure proper handling & management of scrap in the proposed area.
2) PP to prepare & implement all safety related training modules and SOP's in English, Hindi and Marathi so as to ensure its effectiveness.
3) PP to ensure disposal of waste slag within four days of its generation so as to avoid uncontrolled dumping/accumulation of slag on site.
4) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

Agenda of 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 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.Whether in Corporation / Municipal / other area	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	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.
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 STP for the treatment of waste water. The treated waste water will be reused for gardening within the premises .
Drainage pattern of the project	PP considered the contour levels while designing the drainage.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits.
Solid Waste Management	PP proposes to sale hazardous waste to the Authorized recycler and waste slag will be used for road construction after crushing.
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 59850 KVA, which will be supplied by MSEDCL. PP also proposes to install DG set of capacity 1500 KVA, 500 KVA & 200 KVA respectively with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes to provide six meter wide internal roads with nine meter wide turning radius.
Landscape Plan	PP proposes 33% green belt within the premises.
Disaster management system and risk assessment	PP prepared On site emergency plan to handle the emergency situations.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.8.00 Lakh during construction phase and 449.00 Lakh as capital cost and Rs. 48.84 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	PP to explore possibility to plan processing of scrap on other plot so as to ensure proper handling & management of scrap in the proposed area.

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 wherein ToR was granted to the PP for the preparation of EIA/EMP report.

PP has obtianed earlier EC vide No. SEAC-2014/CR-32/TC-2 dated 30.09.2014. PP submitted copy of certified compliance of conditions stipulated in the EC letter as per OM issued by MoEF&CC dated 07.09.2017. The inspection was carried out on 08.02.2018. PP submitted reply to the observations made during the site visit vide letter dated 01.06.2018.

Public hearing was conducted on 19.11.2018

Now PP submitted EIA/EMP report for appraisal in the 163rd meeting wherein the proposal was deferred till submission of follwing points,

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.

Now PP submitted compliance of above points.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant SEAC decided to recommend the proposal for prior Environmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

1) PP to explore possibility to plan processing of scrap on other plot so as to ensure proper handling & management of scrap in the proposed area.
2) PP to ensure disposal of waste slag within four days of its generation so as to avoid uncontrolled dumping/accumulation of slag on site.
3) PP to prepare & implement all safety related training modules and SOP's in English, Hindi and Marathi so as to ensure its effectiveness.
4) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

Agenda of 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Chichghat Lift Irrigation Scheme at Near Village Sawangi Taluka Kuhi, District Nagpur Maharashtra Capacity: 4495 Ha of Culturable Command Area (CCA)

Is a Violation Case: No

1.Name of Project	Chichghat Lift Irrigation Scheme at Near Village Sawangi Taluka Kuhi, District Nagpur Maharashtra Capacity: 4495 Ha of Culturable Command Area (CCA)
2.Type of institution	Government
3.Name of Project Proponent	Vidarbha Irrigation Development Corporation, Nagpur (Command Area Development Authority, Nagpur Irrigation Project Division, Nagpur, Water Resource Department, Government of Maharashtra)
4.Name of Consultant	SMS Envocare Ltd. Pune
5.Type of project	Other (Lift Irrigation Scheme)
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	Near Village Sawangi Taluka Kuhi, District Nagpur Maharashtra
9.Taluka	Kuhi
10.Village	Near Village Sawangi
Correspondence Name:	Padmakar Nanabhau Patil (Executive Engineer)
Room Number:	Not applicable
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Office of Executive Engineer , Irrigation Project Division
Locality:	Wainganga Nagar, Ajni
City:	Nagpur
11.Whether in Corporation / Municipal / other area	MWRRA Approval (MWRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008 Administrative Approval 30th April, 2008
12.IOD/IOA/Concession/Plan Approval Number	MWRRA Approval (MWRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008 Administrative Approval 30th April, 2008
	IOD/IOA/Concession/Plan Approval Number: MWRRA Approval (MWRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008 Administrative Approval 30th April, 2008
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No any work has initiated. Under taking for the same is also given in Final EIA/EMP Report.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (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.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 24-06-2019
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	557140800

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Minimum 6.5 to 9.0 meter width with required turning radius will be provided for proper transportation in the project area and connected road from project site to main road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable as no any existing structure present.
30.Details of the demolition with disposal (If applicable)	No demolition work involve with the proposed scheme

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not Applicable as this is Only Lift irrigation project	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Kanhan River near village Sawangi for the scheme. Net balance water available @ Goshikhurd site is 2848.435 Mm3 for future projects after accounting for the utilization of Chichghat Lift Irrigation scheme. Yield available at proposed Chichghat LIS site is 473.678 Mm3 @ 75% dependability.
	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) :	Kanhan River near village Sawangi for the scheme. Net balance water available @ Goshikhurd site is 2848.435 Mm3 for future projects after accounting for the utilization of Chichghat Lift Irrigation scheme. Yield available at proposed Chichghat LIS site is 473.678 Mm3 @ 75% dependability.
	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**	Kanhan River near village Sawangi for the scheme. Net balance water available @ Goshikhurd site is 2848.435 Mm3 for future projects after accounting for the utilization of Chichghat Lift Irrigation scheme. Yield available at proposed Chichghat LIS site is 473.678 Mm3 @ 75% dependability.
	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) :	Kanhan River near village Sawangi for the scheme. Net balance water available @ Goshikhurd site is 2848.435 Mm3 for future projects after accounting for the utilization of Chichghat Lift Irrigation scheme. Yield available at proposed Chichghat LIS site is 473.678 Mm3 @ 75% dependability.
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	22	22	NA	4.4	4.4	NA	17.6	17.6

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre Monsoon Season: 10-20 m Post Monsoon Season: 2-5 m
	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:**	East direction towards Kanhan River
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	Construction Phase: 20.25 CMD Operation Phase: 1.35 CMD
	STP technology:	Facility or Modular STP with modular Toilets will be provided during construction phase by selected contractor. Waste water treatment facility will also be provided during construction phase.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Included in Total EMP cost
	Budgetary allocation (O & M cost):	Included in Total EMP cost

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The spoil material will be stored or dumped properly in safe place. The same will be used for filling and internal road development. No mining work is involved with the project. The average per capita solid waste generated will be of the order of about 250 gm./day/person. About 30 kg/day of Solid waste is expected to be generated by the construction labors/workers.
	Disposal of the construction waste debris:	The spoil material will be stored or dumped properly is safe place. The same will be used for filling and internal road development. Adequate facilities for collection conveyance of domestic waste during construction shall be provided for safe disposal. Domestic solid waste shall be stored Separately into organic and inorganic material. Organic material will be managed by composting whereas inorganic material will be segregated into metallic and non-metallic material and shall be managed as per
Waste generation in the operation Phase:	**Dry waste:**	Very less amount of Domestic waste will be generated as minimum staff will work during operation phase. Most of them will be sourced from local area. Apart from this dry leaves and other plant dry plant material will be generated nearby pump house which will be managed by composting.
	Wet waste:	Very less amount of wet waste will be generated
	Hazardous waste:	Empty drums and containers, waste oil and soil collected near to DG set which may contain oil and grease will be generated during maintenance of project.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Domestic solid waste shall be stored Separately into organic and inorganic material category. Organic material will be managed by composting whereas inorganic material will be segregated into metallic and non-metallic material and shall be managed as per directives of MPCB and appointed authorized vendor.
	Wet waste:	Wet waste will be stored and shall manage by composting. Composted material shall be used as manure for plantation work.
	Hazardous waste:	Hazardous waste is generated shall be handled and stored at site as per Hazardous and Other Wastes (Management and Trans-boundary Movement) Rule, 2016. Ultimately this hazardous waste shall be sent to nearest TSDF facility so that can be treated scientifically and can be disposed properly as per prevailing rule and directives.
	Biomedical waste (If applicable):	All bio-medical waste shall be managed as per Bio-medical Waste Management Rule, 2016. All the waste will be stored as per category of waste. The same shall be sent to nearest CBWTF.
	STP Sludge (Dry sludge):	Used as an manure
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Adequate storage facility will be provide for storage of Domestic waste, Biomedical waste and Hazardous waste. It shall be the responsibility of selected contractor to manage all kind of waste as per direction of CPCB/MPCB.
	Area for the storage of waste & other material:	As above
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Cost of the same is included in the total Capital cost of the plant
	O & M cost:	Cost of the same is included in the total Capital cost of the plant

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	Waste Oil & Grease	20	Kg/day	No	As per Actual	As per Actual	Authorized Vendor
2	Biomedical Waste	BMW Cat. No. 9	Kg/day	No	As per Actual	As per Actual	Sent to CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set 160 KVA	HSD	1	8.0 m	111 mm	195

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	Required fuel shall be provided	Required fuel shall be provided

41.Source of Fuel	Local Market
42.Mode of Transportation of fuel to site	Local Market by Road Transport

43.Green Belt Development	**Total RG area :**	Not applicable
	No of trees to be cut :	It shall be ensure not to remove tree of other vegetation. If very required, plant shall be removed scientifically so that can be replanted at another place
	Number of trees to be planted :	Green belt will be developed along plot boundary of Pump house for width of 2-3 meters using varieties of plant species suitable to local environment. Adequate area has been secured for Green Belt Development. Species type will be selected based on soil characteristics, and other related aspects to mitigate pollution effects due to noise, dust etc. Removal and replantation of plants shall be implemented scientifically. Major advantage of green belt is development of buffer zone and visual barrie
	List of proposed native trees :	Alstoniascholaris, Albizialebbeck, Azadirachtaindica, Ficusreligiosa,Meliaazedarach, Mimusopselengi, Polyalthialongifolia, Terminaliaarjuna, Azadirachtaindica, Buteamonosperma,Grevilleaptehdifolia, Tamarindusindica, Terminaliaarjuna, Lagerstroemia flosreginae,Anthocephaluscadamba, Bauhinia purpurea, Cassia fistula, Cassia siamea, Meliaazedarach, Micheliachampaca,Pongamiapinnata.
	Timeline for completion of plantation :	Up to four year from construction period

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	Alstonia scholaris	Black Board tree	As per Requirement	Sulphur Dioxide Absorbing species
2	Albizia lebbeck	Fry wood	As per Requirement	Sulphur Dioxide Absorbing species
3	Azadirachta indica	Neem	As per Requirement	Sulphur Dioxide Absorbing species
4	Polyalthia longifolia	Ashoka	As per Requirement	Sulphur Dioxide Absorbing species
5	Buteamonosperma	Palash	As per Requirement	Reduce Noise Pollution
6	Grevillea ptehdifolia	Silky grevillea	As per Requirement	Reduce Noise Pollution
7	Terminaliaarjuna	Arjuna Tree	As per Requirement	Reduce Noise Pollution
8	Lagerstroemia flosreginae	Pride of India	As per Requirement	Suspended Pollutant controlling Plant/Other Ornamental plant
9	Anthocephalus cadamba	Kadam	As per Requirement	Suspended Pollutant controlling Plant/Other Ornamental plant
10	Bauhinia purpurea	Orchid Tree	As per Requirement	Suspended Pollutant controlling Plant/Other Ornamental plant
11	Cassia fistula	Golden Shower tree	As per Requirement	Suspended Pollutant controlling Plant/Other Ornamental plant
12	Cassia siamea	Kassod Tree	As per Requirement	Suspended Pollutant controlling Plant/Other Ornamental 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	Proper plantation including Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Shrubs and small plants shall be planted at every available place and along with both the side of canal

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Corporation Limited (MSEDCL)
	During Construction Phase: (Demand Load)	DG sets shall be provided as per requirement
	DG set as Power back-up during construction phase	DG sets shall be provided as per requirement
	During Operation phase (Connected load):	Total Power requirement for proposed scheme is estimated as 0.981 MW and the same shall be sourced from MSEDCL.
	During Operation phase (Demand load):	Total Power requirement for proposed scheme is estimated as 0.981 MW and the same shall be sourced from MSEDCL.
	Transformer:	Required arrangement shall be made for proper power supply
	DG set as Power back-up during operation phase:	DG sets shall be provided as per requirement
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	No applicable

48.Energy saving by non-conventional method:

No applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution Construction activities	Not applicable	Green belt development & Water sprinkling
Material transportation	Not applicable	Transportation of Raw material through closed trucks
Solid & Hazardous waste generation	Not applicable	Solid Waste management, Hazardous waste management, Construction waste management, Biomedical waste management etc.
Emission from DG stack	Not applicable	Stack with required height with DG sets
Removal of Plants & forest area	Not applicable	Compensatory Afforestation

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Green Belt Development Plan	Plantation, Nursery formation, maintenance etc.	10.0
2	Solid Waste & Sanitation Management Plan	Solid waste management, Haz. Waste Management, Biomedical waste management, Facility for sanitation, drinking water facility, health check-up and assistance, management of construction waste etc.	15.0
3	Health Management Plan	Medical and health support, vaccination, distribution of medicine, arrangement of mobile van, first aid post, PPEs, pre appointment health check-up etc.	15.0
4	Environmental Monitoring Plan	AAQ, GW/SW monitoring, inventory of Solid and hazardous waste, monitoring of plantation, ensuring use of PPEs, regular submission of Compliance report, ensuring the compliance of consent/ EC condition	10.0
5	Pollution Management Plan	Regular water sprinkling, arrangement for covered storage of dust emitting material, storage facility for solid and Haz. Waste, arrangement of settling tanks to settle sediments from slurry near to RMC site, maintenance of vehicle, PPEs etc.	20.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Green Belt Development	Plantation, Nursery formation, maintenance etc.	10.0	3.0

2	Solid Waste & Sanitation Management Plan	Solid waste management, Haz. Waste Management, Biomedical waste management, Facility for sanitation, drinking water facility, health check-up and assistance etc.	5.0	1.0
3	Environmental Monitoring Plan	AAQ, GW/SW monitoring, inventory of Solid and hazardous waste, monitoring of plantation, ensuring use of PPEs, regular submission of Compliance report, ensuring the compliance of consent/ EC condition.	10.0	4
4	Skill development /capacity building program under Command area development plan	Training on new irrigation technique like drip irrigation, crop wise water requirement, maintenance of irrigation system, rotation of crops, Women participation in irrigation practices, selection of plant material, scheduling of irrigation, water distribution etc.	25.0	4

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	Minimum 6.5 to 9.0 meter width with required turning radius will be provided for proper transportation in the project area and connected road from project site to main road.

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Approx. 50 sq. m
	Area per car:	Adequate area will be provided during construction phase for vehicle required for transportation of construction material and staff vans. Additional separate area will be identified to personal 4 wheeler and two wheeler vehicle. Parking facility will be provide during operation phase of the project near to admin building.
	Area per car:	Adequate area will be provided during construction phase for vehicle required for transportation of construction material and staff vans. Additional separate area will be identified to personal 4 wheeler and two wheeler vehicle. Parking facility will be provide during operation phase of the project near to admin building.
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Public Transport facility are available at approachable distance at Khamptee area at Mauda area
	Width of all Internal roads (m):	Minimum 6.5 to 9.0 meter width will be provided for proper transportation in the project area and connected road from project site to main road.
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No protected area is availa
	Category as per schedule of EIA Notification sheet	1(c), namely “River Valley Projects” Category: “B” Category
	Court cases pending if any	There is no case pending against project and land

	Other Relevant Informations	• The village benefitted by this project are Sawangi, Chapegadi, Kharbi, Khobna, Swargaon, Salwa, Bhivkund, Devlikala, Devlikhurd, Khursapar, Sawarkhenda, Chapeghat, Kanhari (DiongarMoh), Takli, Aamti, Rajola, Bori (Naik), Awarmara, Hardoli, Navegaon (Maratha). All villages are from Kuhi taluka of Nagpur district. Total 12714 populations of 20 Villages of Kuhi taluka shall be get benefitted by the scheme. • Total 49.26 Ha of land will be required to development of the proposed Lift Irrigation Scheme. Out of total land, 43.26 Ha of Private land and 5.99 Ha of forest land for which in principal approval of from Forest Department, Government of Maharashtra has already been secured. • Direct Charges: This includes the cost of pump house, approach channel, rising main, main canals, distributions, minors and water courses. The direct charge for the scheme is estimated to Rs. 5517.257 Lakhs. • Indirect Charges: This includes the capitalization of statement of land revenue @ 5% of land cost; Audit & account charges @ 1% of I-Head works and secretarial charges @ 0.5% on establishment charges. The indirect charges of the scheme are estimated to Rs. 54.151 Lakhs. • Centage Charges: The centage charge for the scheme is estimated to Rs. 483.787 lakhs. • Total 84.0 Lakhs (2.0 % of total project cost) has been only secured for developmental activities under Corporate Environmental Responsibility. • Proposed cost for Environmental Management Plan during construction phase will be 80.0 lakhs whereas during operation phase will be 50.0 Lakhs as capital cost and 12.0 lakhs per annum as recurring cost.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 1(c)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

Public hearing is applicable.

Chichghat LIS is situated at 300mtrs. below the confluence of Kanhan River adn Nag River near village Sawangi in Kuhi Tehsil of Nagpur District.

PP has obtianed forest clearance from competent authority.

Scheme envisages construction of pump house to lift 15.495 Mm3 of water annually from Kanhan River to irrigate CCA of 4495 Ha. It also includes following work,

1. Construction of approach chanel of 35 mtrs.

2. Construction of pump house and control room.

3. Construction of rising main of 3780 mtrs. length.

4. Main canals, distributaries and monir to irrigate 4495 Ha of Kuhi Taluka.

PP informed that toal 12714nos. of population in 20 villages will be benefitted.

The proposal was earlier submitted for TOR and the same was granted by SEAC-I on 18th February, 2010 but PP couldnot submit the EIA/EMP reprot and other documents for appraisal hence the TOR was expired and now PP submitted a fresh application for the grant of TOR.

PP to carry out Pubic Consultation as per the procedure prescribed in the EIA NOtification, 2006.

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

ToR was granted to the PP in 142nd meeting of SEAC-1 held on 13.09.2017 with following additonal ToR points.

1. PP to submit an undertaking that no activity is started on site without obtaining prior Environment Clearance.

2. PP to submit latest approval obtained from MWRRA as per MWRRA Act Clasue 11(f)

3. PP to obtain revised administrative approval from the competent authority including maximum use of new and renewable energy, distribution of water by closed conduit system with micro irrigation.

4. Soil and drainage survey report to be included in the EIA report. PP also to include Catchment Area Treatment, Soil Conservation measures, Muck Management, Health Management in the EIA Report.

5. PP to submit comprehensive production and marketing plan prepared in consultation with agriculture department.

6. PP to include impact of proposed activity on the existing ecosystem and biodiversity along with mitigation measures; PP to include the same in EIA report.

7. PP to include risk assessment, emergency planning and mitigation measures in the EMP report.

8. PP to submit their plan for operation and maintenance of project activities as per MWRRA Act Clause 11(d) and MMISF Act 2005 provisions.

9. PP to include qualitative and quantitative socio economic impact of the project.

10. PP to ensure to include all necessary environment improvement and management actions (conditions stipulated in the prior Environment Clearance letter) in the specifications of the contracts for the project and in the contract agreements, and strictly observed for its implementation.

The proposal was considered in the 166th meeting of SEAC-1 held on 28.05.2019 wherein PP requested to postpone the case.

DECISION OF SEAC

During deliberations with the PP and their accredited consultant, it was observed that PP has not submitted satisfactory compliance of standard ToR points as well as addtional ToR points.

In view of above, SEAC-1 decided to defer the proposal till submission of revised compliance. PP to ensure uniformity in submission of informataion in the Form-1, EIA Report, Consolidated Statement and presentation.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

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

Is a Violation Case: No

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

22.Number of buildings & its configuration

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

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

31.Production Details

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

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

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Water Supply Scheme
	Fresh water (CMD):	788
	Recycled water - Flushing (CMD):	320 - In process (Not for flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1108
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC Water Supply Scheme
	Fresh water (CMD):	788
	Recycled water - Flushing (CMD):	320 - In process (Not for flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1108
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	84	0.0	84	6	0.0	6	78	0.0	78
Industrial Process	118	56	174	0.0	0.0	0.0	148	95	243
Gardening	30	30	60	0.0	0.0	0.0	0.0	0.0	0.0

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

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

36.Solid waste Management

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

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

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boilers (3 TPH -2 Nos.)	Furnace oil-4.5 KL/D	1 (Common)	30	0.63	NA
2	Boiler (8TPH)	Biomass Briquette /Coal - 34 MT/D / 28.8 MT/D	1	30	0.63	NA
3	Thermopack (2 Lack Kcal/Hr)	HSD-5 KL/M	1	30	0.63	NA
4	D.G.Set (1250 KVA)	HSD-24 KL/M	1	7.5	--	NA
5	D.G.Set (1500 KVA)	HSD-24 KL/M	1	14.71	--	NA

40.Details of Fuel to be used

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

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	The Capital Cost will be incorporated in EIA report.
	O & M cost:	O&M Cost will be incorporated in EIA report.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.	Storage of chemicals will be incorporated at the time of EIA report.

52.Any Other Information

No Information Available

53.Traffic Management

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

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

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
3	Mr. Bhagwan Gawali (Director)	Mr. Mangesh Wajhe (Sr. Technical Director)
6	Proposed expansion and modernization project of Existing Bulk Drugs and Intermediates Manufacturing Unit	Proposed expansion project of Existing Bulk Drugs and Intermediates Manufacturing Unit

21	1304000000	1900000000
32	Dry and Wet Season: Fresh water - 788 CMD, Recycled Water - 320 CMD, Total water requirement - 1108 CMD	Dry and Wet Season: Fresh water - 478 CMD, Recycled Water - 331 CMD, Total water requirement - 809 CMD
33	(1) Domestic Consumption: Existing (84 CMD), Proposed (0 CMD), Total (84 CMD).	(1) Domestic Consumption: Existing (65 CMD), Proposed (0 CMD), Total (65 CMD).
33	Domestic Loss: Existing (6 CMD), Proposed (0CMD), Total (6 CMD),	Domestic Loss: Existing (5 CMD), Proposed (0CMD), Total (5 CMD)
33	Domestic Effluent: Existing (78 CMD), Proposed (0 CMD), Total (78 CMD).	Domestic Effluent: Existing (60 CMD), Proposed (0 CMD), Total (60 CMD).
33	Industrial Process: Existing (118 CMD), Proposed (56 CMD), Total (174 CMD).	Industrial Process: Existing (181 CMD), Proposed (38 CMD), Total (219 CMD).
33	Industrial Process Loss: Existing (0 CMD), Proposed (0CMD), Total (0 CMD)	Industrial Process Loss: Existing (0 CMD), Proposed (0 CMD), Total (0 CMD)
33	Industrial Process Effluent: Existing (148 CMD), Proposed (95 CMD), Total (243 CMD).	Industrial Process Effluent: Existing (190 CMD), Proposed (56.5 CMD), Total (246.5 CMD).
33	Gardening: Existing (30 CMD), Proposed (30 CMD), Total (60 CMD).	Gardening: Existing (30 CMD), Proposed (5 CMD), Total (35 CMD).
33	Gardening Loss: Existing (0 CMD), Proposed (0CMD), Total (0 CMD)	Gardening Loss: Existing (30 CMD), Proposed (5CMD), Total (35 CMD)
33	Gardening Effluent: Existing (0 CMD), Proposed (0 CMD), Total (0 CMD)	Gardening Effluent: Existing (0 CMD), Proposed (0 CMD), Total (0 CMD)
33	Cooling Tower & Thermopack Consumption: Existing (415 CMD),Proposed (375 CMD), Total (790 CMD).	Cooling Tower & Thermopack Consumption: Existing (460 CMD), Proposed (25 CMD), Total (485 CMD).
33	Cooling Tower & Thermopack Loss: Existing (373.5 CMD), Proposed (337.5CMD), Total (711 CMD)	Cooling Tower & Thermopack Loss: Existing (440 CMD), Proposed (22 CMD), Total (457.5 CMD)
33	Cooling Tower & Thermopack Effluent: Existing (41.5 CMD), Proposed (37.5 CMD), Total (79 CMD).	Cooling Tower & ThermopackEffluent: Existing (20 CMD), Proposed (3.0 CMD), Total (27.5 CMD).
34	Size and no of RWH tank(s) and Quantity : The details of rainwater harvesting will be incorporated in EIA report.	Size and no of RWH tank(s) and Quantity : Rainwater Harvesting system is in place at site
37	Waste Generation in Operation Phase: Dry Waste: (1) Plastic Scrap, Glass scrap, wooden scrap, metal scrap and (2) Ash	Waste Generation in Operation Phase: Dry Waste: (1) Plastic Scrap, Glass scrap, wooden scrap, metal scrap (400 MT/Yr.) and (2) Ash (1.75 MT/D), (3) Battery Waste (3 MT/Yr.), (4) E-Waste (3 MT/Yr.)
37	Waste Generation in Operation Phase: Biomedical Waste(if applicable): NA	Waste Generation in Operation Phase: Biomedical Waste (if applicable): Biomedical Waste (200 g/M)
37	Mode of Disposal of waste: Dry Waste: Sale to Authorized Party, Sale to Brick Manufacturers/land	Mode of Disposal of waste: Dry Waste: Sale to Authorized Party, Sale to Brick Manufacturers/land, Sale to Authorized Reprocessor
37	Mode of Disposal of waste: Biomedical Waste(if applicable): NA	Mode of Disposal of waste: Biomedical Waste (if applicable): Biomedical Disposal Facility
38	Amount of effluent generation (CMD): 400 CMD	Amount of effluent generation (CMD): 334 CMD
38	Amount of treated effluent recycled: 320 CMD	Amount of treated effluent recycled: 331 CMD

39	Chemical Sludge from wastewater treatment: Cat.:35.3, UOM:MT/M, Existing: 1.5, Proposed: 18.5, Total: 20. Method of Disposal: CHWTSDF	Chemical Sludge from wastewater treatment: Cat.:35.3, UOM:MT/M, Existing: 36.5, Proposed: 41.5, Total: 78. Method of Disposal: CHWTSDF
39	Sludge from wet scrubber: Cat.:37.1, UOM: MT/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: CHWTSDF	To be deleted from this section
39	Sludge from MEE System: Cat.:35.4, UOM: MT/M, Existing: 30, Proposed: 20, Total: 50. Method of Disposal: CHWTSDF	To be deleted from this section
39	Spent Solvent: Cat.: 28.6, UOM:KL/M, Existing: 150, Proposed: 200, Total: 350. Method of Disposal: CHWTSDF	Spent Solvent: Cat.: 28.6, UOM: KL/M, Existing: 155, Proposed: 203, Total: 358. Method of Disposal: CHWTSDF
39	Spent Organic Solvents: Cat.: 28.6, UOM:KL/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: Sale to Authorized Party	To be deleted from this section
39	Spent Catalyst/Spent Carbon: Cat.: 28.3, UOM:Kg/M, Existing: 500, Proposed: 300, Total: 800. Method of Disposal: CHWTSDF	Spent Catalyst: Cat.: 28.2, UOM: Kg/M, Existing: 250, Proposed: 150, Total: 400 Method of Disposal: CHWTSDF
39	Spent Catalyst/Spent Carbon: Cat.: 28.3, UOM:Kg/M, Existing: 500, Proposed: 300, Total: 800. Method of Disposal: CHWTSDF	Spent Carbon: Cat.: 28.3, UOM: Kg/M, Existing: 250, Proposed: 150, Total: 400 Method of Disposal: CHWTSDF
39	Date expired, Discarded and Off-specification drugs: Cat.: 28.5, UOM:MT/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: CHWTSDF	Date expired and Discarded drugs: Cat.: 28.5, UOM:MT/M, Existing: 2.5, Proposed: 1.5, Total: 4 Method of Disposal: CHWTSDF
39	Date expired, Discarded and Off-specification drugs: Cat.: 28.5, UOM:MT/M, Existing: 5, Proposed: 3, Total: 8. Method of Disposal: CHWTSDF	Off-specification drugs: Cat.: 28.4, UOM:MT/M, Existing: 2.5, Proposed: 1.5, Total: 4. Method of Disposal: CHWTSDF
39	Spent Mother Liquor: Cat.: 28.1, UOM:M3/dilution with water/M, Existing: 750, Proposed: 400, Total: 1150. Method of Disposal: MEE	To be deleted from this section
40	Sr. No.4: D.G. Set (1250 KVA)	Sr. No.4: D.G. Set (1250 KVA - 3 Nos.)
44	Green Belt Development: Number of trees to be planted: Proposed Green Belt Area -12298.6 Sq.M. (6% of total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.	Green Belt Development: Number of trees to be planted: Proposed Green Belt Area -16398.08 Sq.M. (8% of total plot area). The list of trees to be planted under expansion will be incorporated in EIA report.
52 (b)	(1) Air Pollution Control - Boiler Capital cost Rs. In Lacs - 43 O & M cost Rs. In Lacs - For all component the O&M cost would be 450 lacs/year	(1) Air Pollution Control - Installation of APC equipment - stack, scrubbers Capital cost Rs. In Lacs - For Existing - 170 For Expansion - addition of one scrubber – 20 Total capital cost Rs. In Lacs - 190 O & M cost Rs. In Lacs - For Existing - 15 For Expansion –2 Total O & M cost Rs. In Lacs - 17
52 (b)	(2) Water Pollution Control - ETP Capital cost Rs. In Lacs - 400 O & M cost Rs. In Lacs - As above mentioned	(2) Water Pollution Control - ETP, Online Monitoring of ETP (Existing) Capital cost Rs. In Lacs - 1000 O & M cost Rs. In Lacs - 160
52 (b)	(3) Noise Pollution Control - Noise level Management Capital cost Rs. In Lacs - 16 O & M cost Rs. In Lacs - As above mentioned	(3) Noise Pollution Control - Noise level Management (Existing) Capital cost Rs. In Lacs - 25 O & M cost Rs. In Lacs –0.50
52 (b)	(4) Environmental Monitoring & Management - Environmental Monitoring & Management Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	(4) Environmental Monitoring & Management - Environmental Monitoring & Management (Existing) Capital cost Rs. In Lacs - -- O & M cost Rs. In Lacs - 5

52 (b)	(5) Occupational Health Safety - Occupational Health Safety Capital cost Rs. In Lacs - 1 O & M cost Rs. In Lacs - As above mentioned	(5) Occupational Health & Safety - Occupational Health & Safety (Existing) Capital cost Rs. In Lacs - 25 O & M cost Rs. In Lacs - 15
52 (b)	(6) Green belt Development - Green belt Development Capital cost Rs. In Lacs - 2 O & M cost Rs. In Lacs - As above mentioned	(6) Green belt Development - Green belt Development & Rain Water Harvesting System Capital cost Rs. In Lacs - For Existing - 25 For Expansion - 5 Total Capital cost Rs. In Lacs - 30 O & M cost Rs. In Lacs - For Existing –5 For Expansion - 1 Total O & M cost Rs. In Lacs – 6

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 151st meeting of SEAC-1 wherein the ToR was grnated to the PP along with following additional ToR points for the preparation of EIA/EMP report.

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

2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt within the premises, rain water harvesting etc.

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

4. PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc

5. PP to carry out HAZOP and QRA and submit report. PP also to carry out risk assessment with respect to the exposure to the oncological products considering the potency of drugs, exposure limits and design of isolators etc.

6. PP to submit hazardous chemical handling protocol

7. PP to submit drawings, cross sectional drawings of the manufacturing units, equipment layout plan along with report on adequacy of the existing space for the expansion activities.

8. PP to include highlights of chemistry involved in the process in the EIA report.

9. PP to submit detailed water balance calculations and include details of water conservation measure adopted in the EIA report.

10. PP to submit details of ETP design with respect to the design of units proposed for effluent treatment. PP to ensure ZLD for the effluent treatment.

11. PP to use solar power for administrative building and street lights.

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

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

14. PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.

15. PP to submit an undertaking for not violating any requirements of EIA Notification, 2006.

16. PP to submit copy of Structural Stability Certificate for the structures exists on the site.

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

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

PP to submit prefeasibility report for the proposed expansion.

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

DECISION OF SEAC

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 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Storage of Chlorine 50 TPD & DG Set Installation of 6750 KVA (Existing 4500 KVA + Proposed 2250 KVA)

Is a Violation Case: No

1.Name of Project	Sterlite Technologies Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Arun Gandhi
4.Name of Consultant	Gaurang Environmental Solutions
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. A- 1/7
9.Taluka	Aurangabad
10.Village	Shendra
Correspondence Name:	Sterlite Technologies Ltd , MIDC Shendra, Aurangabad. Maharashtra-India
Room Number:	Plot No. A-1/7
Floor:	NA
Building Name:	NA
Road/Street Name:	Shendra MIDC Road
Locality:	Shendra MIDC
City:	Aurangabad
11.Whether in Corporation / Municipal / other area	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 45377
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	101805.11
16.Deductions	10180
17.Net Plot area	91624.60
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.): 45377
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: 25-05-2018
19.Total ground coverage (m2)	23244.72
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.25
21.Estimated cost of the project	900000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	SiCl4 Plant	5	Approx. 30
2	Shed for DG Set	1	10

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)	18
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9
29.Existing structure (s) if any	Glass Plant
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	Silicon Tetra Chloride	0	500	500

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	16
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	69
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	46
	Recycled water - Flushing (CMD):	16
	Recycled water - Gardening (CMD):	1
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	63
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	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	46	4	50	14	1	15	32	3	35
Industrial Process	247	3	250	209	1	210	38	2	40
Cooling tower & thermopack	1262.6	42	1304.6	863.6	31	894.6	399	11	410
Gardening	24.4	2	26.4	24.4	2	26.4	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon : 5.0-8 m bgl Post monsoon : 3.0-5.0 m bgl
	Size and no of RWH tank(s) and Quantity:	Will be elaborate in EIA Report
	Location of the RWH tank(s):	Will be elaborate in EIA Report
	Quantity of recharge pits:	Will be elaborate in EIA Report
	Size of recharge pits :	Will be elaborate in EIA Report
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	1 Lakh
	Details of UGT tanks if any :	Will be elaborate in EIA Report
35.Storm water drainage	**Natural water drainage pattern:**	1m wide drainage & connected to Natural MIDC Drainage
	Quantity of storm water:	Will be elaborate in EIA Report
	Size of SWD:	Will be elaborate in EIA Report
Sewage and Waste water	**Sewage generation in KLD:**	3
	STP technology:	Existing STP Consists of AERATION TANK + Tube Settler + Collection Tank + TREATED WATER TANK
	Capacity of STP (CMD):	1 No. 75 KLD
	Location & area of the STP:	Near Parking
	Budgetary allocation (Capital cost):	55 Lakhs
	Budgetary allocation (O & M cost):	5 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Civil Construction Waste, Packing Waste, Steel Waste
	Disposal of the construction waste debris:	To be stored in dedicated storage yard and will be sold to authorized vendor
Waste generation in the operation Phase:	**Dry waste:**	Office waste: 50 Kg/Month, Plastic Waste: 100 Kg/Month, Corrugated boxes: 240 Kg/Month
	Wet waste:	Canteen Waste: 100 Kg/Month
	Hazardous waste:	Sludge From Water Treatment: 120 TPM, Waste Oil: 2.5 TPM
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	800 Kg/Month
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sale to Recycler/Reuser/Reprocessor
	Wet waste:	Sale to Recycler/Reuser/Reprocessor
	Hazardous waste:	To CHWTSDF/Recycler/Reuser/Reprocessor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sale to Recycler/Reuser/Reprocessor
	Others if any:	NA
Area requirement:	**Location(s):**	Internal Area
	Area for the storage of waste & other material:	500 sqm
	Area for machinery:	0
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	50 Lakhs
	O & M cost:	10 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	From Cooling Tower	RO	high TDS and neutral pH	As Per MPCB Norms	BOD<100, COD<150, TDS<2100
2	Scrubber Waste Water	ETP/MEE	salts of sodium silicate and SiO2	As Per MPCB Norms	BOD<100, COD<150, TDS<2100
3	For Sludge Handling	Filter Press/ Centrifuge	Salts	As Per MPCB Norms	BOD<100, COD<150, TDS<2100

Amount of effluent generation (CMD):	16
Capacity of the ETP:	750 CMD
Amount of treated effluent recycled :	16 CMD
Amount of water send to the CETP:	This is ZLD plant
Membership of CETP (if require):	NA
Note on ETP technology to be used	Existing ETP Consists of COLLECTION TANK + TUBE SETTLER & FOCULATOR + ULTRA FILTRATION + MEE
Disposal of the ETP sludge	To CHWTSDF/Recycler/Reuser/Reprocessor

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge From Water Treatment	34.3	TPM	250	120	370	CHWTSDF/Recycler/Reuser/Reprocessor
2	Sludge From Water Treatment	34.3	TPM	250	120	370	CHWTSDF/Recycler/Reuser/Reprocessor

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	Process Vent Scrubber	NA	1	30	0.5	40
2	Emergency Vent Scrubber	NA	1	30	0.5	40

3	Emergency Chlorine Scrubber	NA	1	20	0.3	40
4	Proposed DG Set	HSD (394 Kg/Hr)	1	30	0.45	65

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	700 LPH	350 LPH	1050 LPH
41.Source of Fuel		Diesel Authorized Distributor		
42.Mode of Transportation of fuel to site		By Tanker/Barrel		

43.Green Belt Development	**Total RG area :**	33000 sqm
	No of trees to be cut :	0
	Number of trees to be planted :	1500
	List of proposed native trees :	Neem, Nandrulk , Sita Ashok, Shirish , Royal Palm, Palas, Maharukh, Laxmi Taru
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	NEEM	1000	Medicinal Value
2	Azadirachta indica	NEEM	1000	Medicinal Value
3	Saraca asoca	Sita Ashok	300	Beautification
4	Roystonea regia	Royal Palm	50	Beautification
5	Buteamono sperma	Palas	100	Beautification
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Hibiscus rosa-sinensis	2m	1000
2	Lantana camara	2m	1000
3	Nerium indicum	2m	1000
4	Zizyphus xylopyra	2m	1000

47.Energy

Power requirement:	**Source of power supply :**	State Electricity Board
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	0.5 MW
	During Operation phase (Demand load):	0.5 MW
	Transformer:	Yes
	DG set as Power back-up during operation phase:	6750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Street Light on Solar Energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Street Light	5 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process Vent Scrubber	0	Stack Height - 30 m With HCl Analyser
Emergency Vent Scrubber	0	Stack Height - 30 m With HCl Analyser
Emergency Chlorine Scrubber	0	Stack Height - 30 m With Chlorine Sensor
DG Set	0	Stack Height - 30 m

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25 Lacks
	O & M cost:	2.5 Lacks

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Sanitation	Water Supply	20

2	Safety	Onsite Safety with Work permit system	30

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Automation	SRV's, RD's, Interlocks F&G detection system	500	25
2	Scrubbers	Process Vent, Emergency Vent and Chlorine Vent	390	50
3	Fire and Safety	Fire Hydrant, Pumping Stations	900	50
4	Green Belt	Plantation	100	10
5	Rain water Harvesting	Collection of Rain Water	10	1
6	Solar	Street Light	25	2.5
7	Energy Comsumption	Condensate recovery system	25	2.5
8	HW/SW Management	Handling and Disposal Facility	100	10
9	Acoustic Enclosure	Prevent Noise and Vibration	25	2.5
10	Environmental Monitoring	Air, Water, Noise, Soil Monitoring	25	2.5
11	Online Monitoring	Stack and ETP Online Monitoring	25	2.5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Chlorine	Anhydrous	Storage Yard	55	50	430	Local Vendor	By Road in Tanker
Caustic Lye	Liquid	Scrubber	20	15	60	Local Vendor	By Road in Tanker
Silicon Tetra Chloride	Liquid	Storage Yard	100	90	500	Inhouse	By Pipeline

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:	10000 sqm
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	10
	Number of 4-Wheelers as approved by competent authority:	10
	Public Transport:	Available
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	6 (b)
	Court cases pending if any	NO
	Other Relevant Informations	NO
	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 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 158th (B) meeting held on 04.01.2019 where in the proposal was referred to the SEIAA with following remarks of the committee.

During deliberations with the PP and their accredited consultant, it is observed that, total plot area is not sufficient for development of mandatory 33% green belt. PP proposes 20% green belt within the plot area and is willing to compensate deficit by development of the green belt on other plot Nos. D-199,200 owned by them in the same MIDC.

In view of above, SEAC decided to refer the matter to the SEIAA for guidance whether deficit to achieve 33% green belt can be compensated through plantation on other plot owned by PP in the same MIDC for compliance of the condition as stipulated in the OM issued by MoEF&CC dated 09.08.2018.

The proposal was considered in the 164th meeting held on 10.04.2019 wherein the proposal was deferred as below,

The SEIAA considered the proposal in their 160th meeting held on 07.03.2019 wherein following decision was taken,

" PP submitted undertaking to develop green belt on an admeasuring 33338 Sq.m. of the total plot area including the land leased by MIDC. SEIAA decided to refer back the proposal to SEAC- 1 for further appraisal".

During deliberations with the PP and their accredited consultant, PP informed that, they will develop 20% green belt within the plot area and deficit green belt (13%) will be developed on the outside on the MIDC land. PP to submit detailed note and drawings about the development of green belt along with necessary NOC,s and permissions from the Competent Authorities.

In view of above, SEAC-1 decided to defer the proposal till PP submits compliance following point,

During deliberations it was observed that, PP was not having registered lease agreement for the development of green belt on MIDC land. Also PP was not having correct layout plan.

In view of above, SEAC-1 decided to defer the proposal till PP submits registered lease agreement with MIDC for the development of green belt and correct layout showing 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.

The proposal was considered in the 166th meeting wherein the proposal was deferred for following reason.

During deliberations with the PP and their accredited consultant, it is obsrved that, the lease agreement submitted by the PP is not duly registered.

SEAC-1 decided to defer the proposal till PP submits registered lease document mentioning therin lease period co-terminus with the lease agreement of the industrial plot of the PP.

DECISION OF SEAC

Now PP uploaded their letter dated 19.06.2019 requesting as below,

"We have applied for manufacturing facility at Plot No. A-1/7, MIDC Shendra, Aurangabd under category 6(b) for the storage of 50 T of Chlorine.

The Isolated Storage Category has been omitted from the requirements of EC vide MOEF&CC Notification No. S.O. 1960 (E) dated 13.06.2019.

We therefore request you to note the same and withdraw our application for EC under these categories."

In view of above, SEAC-1 decided to refer the proposal to the SEIAA for consideration of PP's request.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Mula, Mutha,Mula-Mutha River Rejuvenation Project

Is a Violation Case: No

1.Name of Project	Mula, Mutha,Mula-Mutha River Rejuvenation Project
2.Type of institution	Government
3.Name of Project Proponent	Pune Municipal Corporation
4.Name of Consultant	Green Circle Inc.
5.Type of project	River Rejuvenation Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Pune
9.Taluka	Pune
10.Village	Pune
Correspondence Name:	Mr. Mangesh Dighe
Room Number:	NA
Floor:	NA
Building Name:	PMC Building
Road/Street Name:	NA
Locality:	Shivajinagar
City:	Pune
11.Whether in Corporation / Municipal / other area	Municipal
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	820 ha
16.Deductions	NA
17.Net Plot area	820 Ha
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: 23-03-2018
19.Total ground coverage (m2)	8200000
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8200000
21.Estimated cost of the project	28000000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	THERE WILL BE NO TENANTS
24.Number of expected residents / users	THERE WILL BE NO RESIDENTS OR USERS
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)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6m
29.Existing structure (s) if any	There are no existing structures
30.Details of the demolition with disposal (If applicable)	There will be no demolition

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	180
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	1000
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1180
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	00

Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	180
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	180
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	1000
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1 M
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	THERE ARE NO UGT TANKS

35.Storm water drainage	**Natural water drainage pattern:**	WATER CATCHMENT AREA FOR THREE RIVERS ARE: MULA RIVER:1299 SQ KM, MUTHA RIVER: 738 SQ KM, MULA-MUTHA: 59 SQ KM
	Quantity of storm water:	MULA RIVER: 3971 MUTHA RIVER: 2835 MULA-MUTHA RIVER: 4762 (CUMECS FOR 100 YEARS RETURN PERIOD)
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	728 MLD
	STP technology:	SBR/ ANAEROBIC PROCESS WITH TERTIARY TREATMENT
	Capacity of STP (CMD):	22 , TOTAL CAPACITY 931KLD
	Location & area of the STP:	SEVERAL PLACES IN PUNE CITY
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	280 KG/ DAY
	Disposal of the construction waste debris:	PMC AUTHORIZED VENDORS
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	WILL BE SENT TO WASTE DISPOSAL FACILITY OF PMC AFTER SEGREGATION IF GENERATED
	Wet waste:	WILL BE SENT TO WASTE DISPOSAL FACILITY OF PMC AFTER SEGREGATION IF GENERATED
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA
37.Effluent 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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	NA
	Number of trees to be planted :	NA
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Stereospermum colais	PATALA	--	BEAUTIFICATION
2	Semecarpus anacardium	BHALLATAK	--	BEAUTIFICATION

3	Syzygium caryophyllatum	JAMUN	--	BEAUTIFICATION AND EDIBLE
4	Samanea saman	SIRIS	--	BEAUTIFICATION
5	Mangifera Indica	MANGO	--	EDIBLE
6	Azadirachta Indica	NEEM	--	BEAUTIFICATION AND MEDICINE
7	Cochlospermum Religiosum	GANERI	--	BEAUTIFICATION
8	Pongamia pinnata	KARANJ	--	BEAUTIFICATION AND MEDICINE
9	Plumeria rubra	CHAMPA	--	BEAUTIFICATION
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	Bougainvillea Purple	--	--
2	Bougainvillea Yellow California Gold	--	--
3	Bougainvillea Pink Barbara Karst	--	--

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	0.5 MVA
	DG set as Power back-up during construction phase	1
	During Operation phase (Connected load):	5 MVA
	During Operation phase (Demand load):	NA
	Transformer:	11X615
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED LIGHTS WILL BE USED FOR STREET LAMPS. POSITIONING OF THE STREET LAMPS WILL BE PLANNED PROPERLY.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	LED LIGHTS	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	DUST SUPPRESSION	--	20
2	GREEN BELT	--	11800
3	SOLID WASTE MANAGEMENT	--	5025
4	ENVIRONMENTAL MONITORING,	--	12.12
5	OCCUPATIONAL HEALTH	--	35

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP OPERATION	OPERATION AND MAINTANANCE	150	50
2	ENVIRONMENT MONITORING	MONITORING OF THE ENVIRONMENTAL PARAMETERS	00	12.12
3	GREEN BELT	PLANTATION AND MAINTANANCE	75	30
4	SOLID WASTE MANAGEMENT	COLLECTION AND DISPOSAL	50	20
5	OCCUPATIONAL HEALTH	MONITORING AND MAINTANANCE	30	20

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:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	47.8 KM FROM WILDLIFE SANCTUARY
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-07-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-

Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

The proposal was earlier submitted to the SEAC-3 under category 8(b) of the EIA Notification ,2006. SEAC - 3 considerd the proposal in their 80th meeting held on 16.01.2019 wherein following decison was taken,

" The case was discussed on the basis of the documents submitted and presentation made by the proponent. During discussion it was observed that the proposal involves activities pertaining to River Rejuvenation Plan for all three rivers viz. Mula, Mutha and Mula-Mutha in entire Pune Municipal Corporation area along with Pimpri-Chinchwad Municipal Corporation, Kirkee Cantonment Board and Defence authorities. Hence the proposal falls underthe purview of SEAC-I Committee."

*SEAC decided to **delist** the proposal from SEAC-III dashboard and forward to SEAC-I for further needful."*

DECISION OF SEAC

During deliberations, it is observed that, PP applied for prior Environmental Clearance under category 8 (b) of the schedule attached to the EIA Notification, 2006. The same is forwarded by SEAC-3 to SEAC-1. However, there is no mention of relevant category as per schedule attached to the EIA Notification, 2006 indicating jurisdiction of SEAC-1 for appraisal of the present proposal.

Applicability of category was discussed in detail with the PP and their accridited consultant. They brought to the notice of the committe that, they have submitted their application under category 8(b), i.e, Township & Area Development Projects.

As per Notification issued by MoEF&CC while constituting the SEAC's and SEIAA published on 17.03.2017, it is clearly mentioned that,

* To assist the Authority, Maharashtra, the Central Government in consultation with the State Government of Maharashtra, hereby constitutes the First State Expert Appraisal Committee for all the projects related to Industries, Mining, Irrigation and other projects **excluding building projects in Maharashtra** (hereinafter in this notification referred to as First SEAC, Maharashtra) and,

* To assist the Authority, Maharashtra, the Central Government in consultation with the State Government of Maharashtra, hereby constitutes the Third State Expert Appraisal Committee for construction projects outside the Mumbai Metropolitan Region Maharashtra (hereinafter in this notification referred to as Third SEAC, Maharashtra).

In view of above, SEAC-1 is of the view that, the proposed project being category 8 (b) falls under the jurisdiction of SEAC-3 as per Notification issued by MoEF&CC dated 17.03.2017.

Hence, SEAC-1 decided to submit the matter to the SEIAA to confirm above view and necessary direction to SEAC-3 to cosndier the proposal for appraisal.

Specific Conditions by SEAC:

1) Nil

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 167th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 167 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Common Municipal Solid Waste Management Facility (CMSWMF) at Manda, Titwala- West in Kalyan, Dist. Thane, Maharashtra.

Is a Violation Case: No

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Manda, Titwala-West in Kalyan, Dist. Thane, Maharashtra.
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivali Municipal Corporation
4.Name of Consultant	IRG Systems South Asia Pvt Ltd, E-16 III Floor, Hauz Khas Market, New Delhi 110016, India, Phone +91-11-45974500, Fax+91-11-26562050, E-mail: www.irgssa.com
5.Type of project	Others (Common Municipal Solid Waste Management Facility)
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	Survey no - 191P, 192P, 89P, 231P, 188P, 177P
9.Taluka	Kalyan
10.Village	Manda
Correspondence Name:	Shri Dhanaji Toraskar
Room Number:	NA
Floor:	NA
Building Name:	Kalyan Dombivil Municipal Corporation
Road/Street Name:	NA
Locality:	Shankarrao Chowk, Kalyan
City:	Kalyan, Thane.
11.Whether in Corporation / Municipal / other area	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Planning authority KDMC as per MRTP act 1966
	Approved Built-up Area: 32069
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	100700 m 2
16.Deductions	Not applicable
17.Net Plot area	100700 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable – all are single storey shed
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 32069
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	32069 sq m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35 %
21.Estimated cost of the project	119000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Compost Plant	Not applicable	Not applicable
2	RDF Storage shed	Not applicable	Not applicable
3	Drying and Storage area	Not applicable	Not applicable
4	Canteen Building,	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Only operational staff (Max. 40 Nos.)
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m road is proposed
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m road is proposed which will enable easy access of fire tender.
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	Compost	Not applicable	25 MT	25 MT
2	RDF	Not applicable	24 MT	24 MT

32.Total Water Requirement

Dry season:	**Source of water**	KDMC/Tanker
	Fresh water (CMD):	14 m3/day
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	10 m3/day
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	24 m3/day
	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**	KDMC/Tanker
	Fresh water (CMD):	14 m3/day
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	24 m3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	10 m3/day
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7.5 m
	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 :	50000 liter – 1 tank
35.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	0.82 Cum/sec
	Size of SWD:	325 sq.m
Sewage and Waste water	**Sewage generation in KLD:**	STP not proposed
	STP technology:	Domestic sewage shall be disposed through septic tank/ soak pit.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10 Kg/day from labor activity.
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of excavation soil will be use for backfilling and remaining will be Handed over to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	Proposed facility is for treatment & disposal of solid waste disposal
	Wet waste:	Proposed facility is for treatment & disposal of solid waste disposal
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Recyclable material will be separated out by manual and mechanical means & sold to actual user/recycler.
	Wet waste:	Non bio degradable organic fraction will be converted in to RDF and sold to power plant. Bio degradable fraction will be converted into compost.
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Solid waste management facility
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	0	6-8	7.2	5.5 - 9.0
2	Dissolved Solids	Mg/l	3500	2000	2100
3	Chemical Oxygen Demand	Mg/l	1700	NA	250
4	Bio Chemical Oxygen Demand	Mg/l	800	100	100
5	Oil and Grease	Mg/l	10	NA	20

Amount of effluent generation (CMD):	10 KL/day
Capacity of the ETP:	10 KL/day
Amount of treated effluent recycled :	100% recycled
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	It is physiochemical treatment with extended aeration and biological treatment with pressure sand filter and activated carbon filter as tertiary treatment.
Disposal of the ETP sludge	Captive landfill

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	Not Applicable	0.1 KL/annum	0.1 KL/annum	Will be handed over 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	DG set Stack	High speed diesel	1	10 m	0.3	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed diesel	Not applicable	Not Applicable	Will be required only in case of power failure
41.Source of Fuel		Near by petrol pump		
42.Mode of Transportation of fuel to site		Through tempo		

43.Green Belt Development	**Total RG area :**	8000
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	220
	List of proposed native trees :	Actinodaphne angustifolia, Adina cordifolia, Ailanthus excels, Albizia lebbeck, Alstonia scholaris, Anthocephalus chinensis, Aphanamixis polystachya, Bauhinia semla, Bauhinia varcgata, Buchanania lanzan, Butea monosperma, Dalbergia latifolia, Dalbergia sisoo, Diospyros melanoxylon, Dryptes roxburghii, Garcinia indica Chois, Lagerstroemia parviflora Roxb, Lagerstroemia speciosa (Linn), Millingtonia hortensis L.f., Mimusops elengi Linn, Phyllanthus acidus (L), Salix tetrasperma Roxb., Samanea sama
	Timeline for completion of plantation :	With completion of 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	Actinodaphne angustifolia	Pisa	8	House construction, poles and embankment.
2	Adina cordifolia	Haldu	8	Slow growing, Deciduous
3	Ailanthus excelsa	Maharuk	8	Quick growing, Deciduous
4	Albizia lebbeck	Siris Tree	8	Quick growing, Deciduous
5	Alstonia scholaris	Chattiyan	8	Quick growing, Evergreen
6	Anthocephalus chinensis	Kadamba	8	Quick growing, Deciduous, Spreading shape
7	Aphanamixis polystachya	Rohituka Tree	8	Slow growing, Evergreen, Oblong/Round
8	Bauhinia semla	Semla	8	Quick growing, Deciduous
9	Bauhinia varcgata	Kanchan	8	Quick growing, Deciduous, Oblong Shape
10	Buchanania lanzan	Almondette tree	8	Quick growing, Evergreen
11	Butea monosperma	Flame of the forest	8	Slow growing, Deciduous, Oblong/ Ovoid shape
12	Dalbergia latifolia	Black wood	8	Quick growing, Semideciduous, Round shape
13	Dalbergia sisoo	Sissoo	8	Moderate during 1st year and rapid afterwards, Evergreen
14	Diospyros melanoxylon	Ebony	8	Slow growing, Evergreen
15	Dryptes roxburghii	Putranjiva	8	Slow growing, Evergreen
16	Garcinia indica Chois	Kokam	8	Slow growing, Evergreen

17	Lagerstroemia parviflora Roxb	Phurush	8	Quick growing, Deciduous, Round/ Oblong
18	Lagerstroemia speciosa (Linn)	Queen crape Myrtle	8	Quick growing, Deciduous, Oblong
19	Millingtonia hortensis L.f.	Indian cork tree, Buch	8	Quick growing, Deciduous, Round/ Oblong
20	Mimusops elengi Linn	bakuli	8	Quick growing, Deciduous, Round/ Oblong
21	Phyllanthus acidus (L)	Country gooseberry	10	Quick growing, Deciduous, Oblong
22	Salix tetrasperma Roxb.	Indian willow	10	Quick growing, Deciduous, Round
23	Samanea saman Jacq.	Rain tree	10	Quick growing, Deciduous, Spreading/ Round
24	Spathodea campanulata Beauv	Indian Tulip tree	10	Quick growing, Deciduous, Spreading/ Round
25	Tamarindus indica Linn.	The Tamarind tree	10	Quick growing, Deciduous, Spreading
26	Tectona grandis Linn.	Teak	10	Quick growing, Deciduous, Oblong/Round
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 :**	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	15 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	250 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	High Speed Diesel
	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
MSW	Not applicable	Rotary atomizer and organic solution

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	Dust control	1.00
2	Site Sanitation, Safety & Disinfection	Workers Health	2.00
3	Site Sanitation, Safety & Disinfection	Air, Water, Soil, Noise sampling & testing	3.00
4	Occupational Health	Health Check up	4.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Lechate Treatment Plant	Waste water treatment	25.00	15.00
2	Odour Control deodorant chemical , fly repelant chemical will be used	Odour suppression	5.00	12.00
3	Landscape	Tree plantation & gardening	5.00	2.5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	1 Junction
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):	7.5 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	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	31-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 7(i)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF& CC published in April, 2015 in the 142nd meeting of SEAC-1 held on 13.09.2017 wherein ToR was granted to the PP for the preparation of EIA/EMP report along with following additonal ToR points.

1. It is noticed that, the nearest habitation is at 200 meters and nearest river is located at 122.54 meters. PP to submit their plan to avoid impact of proposed activity on the nearby habitations and natural resources with scientific study and reports.

2. PP to carry out study and include socio economic impact of proposed activity.

3. PP to include technical chapter in the EIA report on the odor control because of proposed activity.

4. PP to include separate study report on the selection of the treatment and disposal technology/methodology/mechanism against available alternate technologies.

5. PP to plan segregation, transport, storage, treatment and disposal of waste based on the nature of waste and their quantities such as Plastic, organic, metal, glass etc.

6. PP to ensure that, no e-waste, bio-medical waste and construction debris comes to the site at any point of time. PP to submit undertaking in this regard and include in the EIA report, management plan for the handling of e-waste, construction debris and bio-medical waste. waste.

7. PP to submit an emergency plan to avoid unauthorized entry, sabotage etc. along with mitigation measures.

8. KDMC to develop green belt of indigenous tress on survey numbers 160, 177 (land parcel between river bank and proposed site)

9. PP to include detailed lechate control plan to prevent underground water contamination, river water contamination, soil contamination etc.

10. PP to remove all encroachments existing on the site reserved for MSW disposal.

PP to carryout Public Consultation as per procedure mentioned in the EIA Notification,2006 and submit the report alog with EIA/EMP report.

The TOR granted is only for the land in possession of the PP that is 6.83 Ha.

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

During deliberation PP informed that the total land for the project is haivng area of 10.3 Ha having DP reservation. out of 10.3 Ha the area of 9.7 Ha is acquired and the land in possession is having area of 6.83 Ha at Survey Nos. 177/192/231 at village Manda, Kalyan.

The proposal is for 25 MT of compost and 24 MT of RFD.

DECISION OF SEAC

During deliberations with the PP and their accredited consultant, it was observed that PP has not submitted satisfactory compliance of standard ToR points as well as addtional ToR points.

In view of above, SEAC-1 decided to defer the proposal till submission of revised compliance of all the points. PP also to ensure unoformity in the infomrations given in the Form-1, EIA report, Consolidated Statement and presentation.

Specific Conditions by SEAC:

1) PP to submit information regarding applicability of CRZ Notification.
2) PP to submit detailed plan to ensure no damage is caused because of any flood to the proposed development activities and also to prevent river pollution.

FINAL RECOMMENDATION

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