

SEAC-1

SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017

The proposal of Kolhapur Municipal Corporation for setting up of common biomedical waste treatment facility at C.S. No. 29, Kasba Bavda, Kolhapur was considered in 142nd meeting of SEAC-1 as per order issued by Hon'ble National Green Tribunal, Pune Bench dated 9th August, 2017 in Application No. 26/2017(WZ).

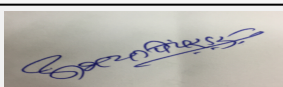
The details of the proposal are as below;

The proposal was earlier considered in 130th meeting of SEAC-1 held on 1st and 2nd July, 2016 wherein ToR was approved by the SEAC-1 along with standard ToR issued by MoEF&CC.

The proposal was considered in 142nd meeting of SEAC-1 held on 13th and 14th September, 2017. During the course of meeting, the representative of Kolhapur Municipal Corporation submitted that, Project Proponent have appointed an accredited consultant few days back for the preparation of EIA/EMP report and to conduct public consultation as per the procedure prescribed in the EIA Notification, 2006.

After detailed deliberations with the representative of the Project Proponent and their accredited consultant, SEAC_1 directed PP to carry out Public Consultation and upload the final EIA/EMP report along with Public Consultation report for further appraisal and decision.

SEAC-AGENDA-0000000005



**Abhay Pimparkar (Secretary
SEAC-I)**

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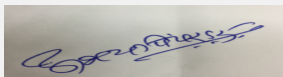

**Dr. Umakant Dangat
(Chairman SEAC-I)**

SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject:** Environment Clearance for Amendment in Existing Environment clearance (Proposed Increase in capacity of Synthetic Organic chemicals) by Galaxy Laboratories Pvt. Ltd., Plot No. B-10, MIDC Newasa, Tukai- Shingve, Dist. Ahmadnagar

1.Name of Project	Amendment in Existing Environment clearance (Proposed Increase in capacity of Synthetic Organic chemicals manufacturing facility) by Galaxy Laboratories Pvt. Ltd., Plot No. B-10, MIDC Newasa, Tukai- Shingve, Dist. Ahmadnagar
2.Type of institution	Private
3.Name of Project Proponent	Galaxy Laboratories Pvt. Ltd.
4.Name of Consultant	Aditya Environmntal Services Pvt. Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Existing Environment clearance (Increase in capacity of synthetic organic chemical manufacturing facility)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Amendment in Existing Environment clearance (Increase in capacity of synthetic organic chemical manufacturing facility)
8.Location of the project	Plot No. B-10, MIDC Newasa, Ahmadnagar
9.Taluka	Newasa
10.Village	Shigve tukai
Correspondence Name:	Mr. Shrikant Deshmukh
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	Ahmednagar
City:	Ahmednagar
11.Area of the project	MIDC Newasa
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval
	IOD/IOA/Concession/Plan Approval Number: MIDC approval
	Approved Built-up Area: 32716.67
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	48,400 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32716.67
21.Estimated cost of the project	0

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


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23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Min. 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 m
29.Existing structure (s) if any	Existing Unit is already operating Hydrogen manufacturing facility at site which is not covered under EIA notification, 2006.
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	Hydrogen gas	250 Nm ³ /Hr	0	250 Nm ³ /Hr
2	Furfuraldehyde (Furfural)	50	- 45	5
3	Furfural alcohol	30	0	30
4	Furfuryl amine	40	0	40
5	Cyclohexenyl Ethyl amine (CHEA)	10	0	10
6	Triclabendazole (Crude)	8.4	0	8.4
7	5-Chloro-4-Amino-2,1,3 Benzothiazole	2	0	2
8	2-Furoic acid	5	- 4	1
9	Betaphenyl Ethyl Amine (BPEA)	20	20	40
10	Polly Allylamine Hydrochloride (PAAH)	13.5	0	13.5
11	Chlorohexanone (6-Chloro-2-Hexanone)	20	- 10	10
12	Furan	50	- 30	20
13	Cinnamyl alcohol	0	50	50
14	Phenyl Propanol	0	20	20
15	Allylamine	0	5	5


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16	Anethole	0	20	20
17	Spent acid (By product)	42.5	0	42.5
18	Sodium hydrosulphide solution (By product)	15.6	31	46.6
19	Potassium bromide salt solution (By product)	185.5	- 92.75	92.75
20	Polyaluminium Chloride solution (PAC) (16% w/w of Al ₂ O ₃) (By product)	0	135.75	135.75

32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	93 cmd
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	165 cmd (Fresh water-93 cmd + Recycle water- 72 cmd)
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Wet season:	Source of water	--
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	--
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Details of Swimming pool (If any)	--	

33.Details of Total water consumed

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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	28	0	28	3	0	3	25	0	25
Industrial Process	20	0	20	0	0	0	20	0	20
Cooling tower & thermopack	89	0	89	62	0	62	27	0	27
Gardening	28	0	28	28	0	28	0	0	0

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	--
	Size and no of RWH tank(s) and Quantity:	1 no. of RWH tank of 12 x 12.5 x 2 m of 302 KL capacity
	Location of the RWH tank(s):	Near main gate
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	10 Lakh as per existing EC
	Budgetary allocation (O & M cost) :	1 Lakh per annum as per existing EC
	Details of UGT tanks if any :	Not applicable

35. Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--


Sewage and Waste water	Sewage generation in KLD:	25 cmd
	STP technology:	Not applicable. Sewage will be added in Aeration tank for treatment.
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of debris will be generate.
	Disposal of the construction waste debris:	Construction wast debris will be reused for levelling of plot.
Waste generation in the operation Phase:	Dry waste:	Fly ash- 1850 TPA, Spent corn cob- 450 TPA
	Wet waste:	--
	Hazardous waste:	ETP sludge, Distillation Residue, Chlorinated Distillation Residue, Contaminated filter/ Bags, Process residue (iron sludge) , Spent Catalyst , Spent Charcoal, Contaminated Drums/ Barrels/ liners
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Fly ash will be sent to brick manufacturer / secured landfill. Spent corn con will be burnt as fuel in boiler/ Thermic Fluid heater.
	Wet waste:	--
	Hazardous waste:	Hazardous waste will be disposed off as per Hazardous waste rule 2016.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	As per norms
	Area for the storage of waste & other material:	As per norms
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2 lakh (as per existing EC)
	O & M cost:	5 lakh pr annum (as per existing EC)

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-9	6.5-9	6.5-9
2	Chemical oxygen demand	mg/L	2500-3000	< 250	< 250
3	Biological oxygen demand	mg/L	1000-1500	<100	<100
4	Total Dissolved solids	mg/L	1100-1200	< 2100	2100
5	Total suspended solids	mg/L	150-200	< 100	100
6	Oil & Grease	mg/L	< 10	< 10	10
7	Chlorides	mg/L	250-300	< 600	600
8	Sulphates	mg/L	250-300	< 1000	< 1000
Amount of effluent generation (CMD):		72 cmd			
Capacity of the ETP:		75 cmd			
Amount of treated effluent recycled :		72 cmd			
Amount of water send to the CETP:		Not applicable. Unit will maintain ZERO LIQUID DISCHARGE FACILITY.			



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Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Pre- treatment tank > Oil & Grease trap > Collection tank > Neutralization tank > Pri. clarifier > Aeration tank > Sec. clarifier > Sand filter > Activated carbon filter > Treated water collection tank
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from waste water treatment	35.3	TPA	30	0	30	CHWTSDF
2	Distillation Residue	20.3	TPA	275	35	310	CHWTSDF/ Used as Fuel in Boiler
3	Distillation Residue (chlorinated)	20.3	TPA	25	- 12	13	CHWTSDF
4	Contaminated filter/ Bags	33.2	TPA	2	0	2	CHWTSDF
5	Process residue (iron sludge)	28.1	TPA	45	0	45	CHWTSDF
6	Spent Catalyst	28.2	TPA	225	- 65	160	CHWTSDF/ Authorized Recycler/ Return to manufacturer
7	Spent Charcoal	28.3	TPA	40	- 10	30	CHWTSDF/ Used as Fuel in Boiler
8	Contaminated Drums/ Barrels/ liners	33.1	Nos./A	500	0	500	MPCB authorized Drum 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	IBR boiler (Existing)	Coal- 240 kg/day	1	30	--	--
2	Reactor (Existing)	--	2	11	--	--
3	320 KVA DG set (Existing)	HSD- 64 Lit/Hr	3	3.5	--	--
4	3 TPH Boiler (Existing)	Coal- 15 TPD	4	30	0.6	180
5	6 lacKcal/Hr thermic fluid heater (Existing)	Furnace oil- 1.7 TPD	5	30	0.35	240
6	HCl scrubber (Existing)	--	6	18	--	ambient temp
7	Ammonia scrubber (Existing)	--	7	18	--	ambient temp
8	H2S scrubber (Existing)	--	8	18	--	ambient temp

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	15.24 TPD	0	15.24 TPD
2	Furnace oil	1.7 TPD	0	1.7 TPD
3	HSD	64 Lit/Hr	0	64 Lit/Hr

41.Source of Fuel From nearby vendors



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42.Mode of Transportation of fuel to site		By road		
43.Green Belt Development	Total RG area :	Green belt: 11,718.63 sq.m		
	No of trees to be cut :	Not applicable		
	Number of trees to be planted :	as per green belt development		
	List of proposed native trees :	--		
	Timeline for completion of plantation :	as per project planning		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	--	--	--	
47.Energy				
Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd.		
	During Construction Phase: (Demand Load)	320 KVA		
	DG set as Power back-up during construction phase	320 KVA DG set (in case of emergency)		
	During Operation phase (Connected load):	320 KVA		
	During Operation phase (Demand load):	320 KVA		
	Transformer:	Not applicable		
	DG set as Power back-up during operation phase:	320 KVA DG set (in case of emergency)		
	Fuel used:	HSD: 64 Lit/Hr (in case of emergency)		
	Details of high tension line passing through the plot if any:	Not applicable		
48.Energy saving by non-conventional method:				
--				
49.Detail calculations & % of saving:				



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Serial Number	Energy Conservation Measures	Saving %		
1	--	--		
50.Details of pollution control Systems				
Source	Existing pollution control system	Proposed to be installed		
Air pollution	Dust collector/ Bag filter & Adequate stack height	--		
Water pollution	Effluent treatment plant	--		
Solid & Hazardous waste	Disposed of to CHWTSDF/ Recyclr	--		
Noise pollution	Enclosure/ PPE	--		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10 Lakhs (as per existing EC)		
	O & M cost:	--		
51.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	--	--	--	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	Air Pollution Control	20	2
2	Monitoring	Environment Monitoring	5	2
3	Water	Water Pollution Control	45	5
4	Solid waste	Hazardous waste & Solid waste management	2	5
5	Green Belt	Green Belt development	2	3
6	Health & safety	Occupational health & safety	--	2
7	CSR activities	Social welfare & upliftment	--	12
8	Other Green Initiatives	Rain Water Harvesting	10	1
9	Other Green Initiatives	Solar Power/LED	5	--
10	Other Green Initiatives	Energy Conservation	5	--
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)				


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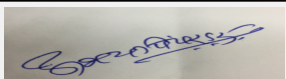
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Existing	within plot	5 Nos. each 15 KL	15 KL	132	Nearby source	By road tanker
Hydrogen gas	Existing	within plot	120 Nos. (2.49 kg per cylinder)	299 Kg	--	Nearby source	Pipeline
Hydrogen gas	Existing	within plot	120 Nos. (2.49 kg per cylinder)	299 Kg	--	Nearby source	Pipeline
Toluene	Existing	within plot	2 Nos. each 15 KL	15 KL	1.4	Nearby source	By road tanker
Furnace oil	Existing	within plot	1 Nos. of 15 KL	15 KL	51	Nearby source	By road tanker

52. Any Other Information

No Information Available


53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	5817.76
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable


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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	<p>Galaxy applied for Environmental clearance for various additional products in October 2015 and received the Environmental clearance on 24th April 2017 vide letter SEIAA-EC-0000000048).</p> <p>Due to change in market scenario in last 1.5 - 2 years, Galaxy wish to manufacture other products falling in same activity and category as mentioned in subsequent sections.</p> <p>Galaxy wish to add some more products/by products in the basket and change capacity of some of existing one for which EC is granted (Refer EC letter SEIAA-EC-0000000048 dated 24th April 2017) so as to make proposed expansion sustainable in the changed environment.</p> <p>The proposed change falls under activity 5(f) category (B) as per EIA notification of September 2006 and covered under item 7 (ii) (A) vide amendment notification S.O.3518(E) dated 23rd November 2016: Prior Environmental Clearance (EC) process for Expansion or Modernization or Change of product mix in existing projects” .</p> <p>We request committee to grant us Amendment in Existing Environment clearance.</p>
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-08-2017

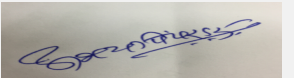
Brief information of the project by SEAC

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

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

PP has obtained earlier prior Environment Clearance vide No. 0000000048 dated 24th April, 2017. Now PP applied for amendment in their Environment Clearance.

DECISION OF SEAC


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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.


Specific Conditions by SEAC:

- 1) PP to submit certified compliance report on the conditions stipulated in the Environment Clearance dated 24th April, 2017 as per circular issued by MoEF&CC on 7th September, 2017.
- 2) PP to submit plan lay out showing internal roads having road width six meters and turning radius nine meters, 33% green belt, location of pollution control equipment & chemical storage areas, parking area etc
- 3) PP to carry out HAZOP and Quantitative Risk assessment for critical /dangerous reactions and chemicals. PP also to submit hazardous chemical handling and storage protocol.
- 4) PP to include detailed product wise material balance and water balance in the EIA report.
- 5) It was observed that few process generates high volume of carbon dioxide gas; PP to submit calculation on the generation of carbon dioxide gas and plan for its reuse, recycle and safe disposal.
- 6) PP to upload copies of On Site and Off Site Emergency plan.
- 7) PP to include design details of Effluent Treatment Plant in the EIA report. PP to upload undertaking for achieving Zero Liquid Discharge.
- 8) PP to explore possibility to replace Aluminium Chloride with less hazardous material and submit plan.

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.

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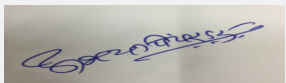
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SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject: Environment Clearance for Environmental Clearance for proposed storage & handling of dangerous cargos**

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

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Ware House	G	13.20
2	Office Building	G+1	9.90
3	Energy Building	G	4.97



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4	Gate House	G+1	10.20
5	MNR shed	G	8.0
6	Canteen	G+1	9.20
7	Electric Meter Room	G	6.00
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	200 Nos.		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	15 m MIDC road from Chakan MIDC Fire Station. Approx. 11 km		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	minimum 6.0m		
29.Existing structure (s) if any	Construction of Ware House, Office Building ,Energy Building ,Gate House, MNR Shed ,Canteen , Electric Meter Room		
30.Details of the demolition with disposal (If applicable)	Not Applicable		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Open Yard- Class-2 and its subclass (gases)UN Hazard Classes	0	315 T Maximum storage	315 T Maximum storage
2	Open Yard-Class-3 and its subclass (flammable liquids)UN Hazard Classes	0	315 T Maximum storage	315 T Maximum storage
3	Open Yard-Class-4 and its subclass (flammable solids)UN Hazard Classes	0	50 T Maximum storage	50 T Maximum storage
4	Open Yard-Class-5 and its subclass (oxides &peroxides)UN Hazard Classes	0	50 T Maximum storage	50 T Maximum storage
5	Open Yard-Class-6 and its subclass (Toxic)UN Hazard Classes	0	215 T Maximum storage	215 T Maximum storage


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

32.Total Water Requirement

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


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

Details of Swimming pool (If any)


NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	4.5	0	4.5	0	0	0	4.5	0	4.5
Fresh water requirement	3.6	0	3.6	0.6	0	0.6	3.0	0	3.0
Gardening	1.8	0	1.8	0	1.8	1.8	3.0	0	3.0
Industrial Process	3.0	0	3.0	0	0	0	3.0	0	3.0

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	12 m below ground level
Size and no of RWH tank(s) and Quantity:	NA
Location of the RWH tank(s):	NA
Quantity of recharge pits:	NA
Size of recharge pits :	NA
Budgetary allocation (Capital cost) :	NA
Budgetary allocation (O & M cost) :	NA
Details of UGT tanks if any :	NA



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35.Storm water drainage	Natural water drainage pattern:	From West to East
	Quantity of storm water:	0.3 m3/sec.
	Size of SWD:	600 mm (W) x 1400 (D) mm
Sewage and Waste water	Sewage generation in KLD:	6.3
	STP technology:	Sewage : Extended Aeration ETP : Conventional - Primary & Tertiary
	Capacity of STP (CMD):	6.5 KLD
	Location & area of the STP:	as per the layout
	Budgetary allocation (Capital cost):	Rs. 9.92 Lakhs
	Budgetary allocation (O & M cost):	Rs. 2.50 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	600 kg/day
	Wet waste:	100 kg/day
	Hazardous waste:	Category No. 34.3 Oil Water Sludge - generated from cleaning of storage tanks once in 5 years : 6.0 MT per year (approx)
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.5 kg/day
	Others if any:	E-waste : Negligible
Mode of Disposal of waste:	Dry waste:	Will be disposed off from site through external agency on daily basis.
	Wet waste:	Shall be treated taken away by the canteen contractor.
	Hazardous waste:	CHWTSDF/ MPCB Authorized Recyclers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	E waste : Will be handed over to authorized E-waste handling agency.
Area requirement:	Location(s):	As per the services layout.
	Area for the storage of waste & other material:	04 nos of 550 ltr garbage bins kept in designated place
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA
37.Effluent Charecterestics		


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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	7	7	5.5-9
2	COD	mg/l	70	50	250
3	BOD	mg/l	20	10	100
4	TSS	mg/l	250	50	100
5	TDS	mg/l	300	110	2100
6	oil & Grease	mg/l	5	5	10
Amount of effluent generation (CMD):		3.0 CMD			
Capacity of the ETP:		3.0 CMD			
Amount of treated effluent recycled :		100% recycled			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Conventional			
Disposal of the ETP sludge		6.0 MT per year (approx)			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	Lit	NA	270 ml/day/DG set	270 ml/day/DG set	Will be handed over to authorised vendor
2	Oil Water Sludge - generated from cleaning of storage tanks	34.3	--	--	Once in 5 years : 6.0 MT per year (approx)	Once in 5 years : 6.0 MT per year (approx)	CHWTSDF

39.Stacks emission Details


Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	Diesel 40 lit/hr/DG set	1 No.	13.7	0.17	600 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	40lit/hr/ - DG set	40lit/hr


41.Source of Fuel Authorized Vendors

42.Mode of Transportation of fuel to site By Road


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

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


Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Delonix Regia	Gulmohar	75	Moderate sized fast growing, deciduous tree and light feathery foliage. The tree is mainly grown for its shade and ornamental value. Because of its hardy nature and aggressive root system , it is a good tree to control soil erosion in the arid and semi- arid areas. It is host for lac- insect also
2	Callistemon lanceolatus	Lal bottle brush	30	A medium sized tree that will eventually grow to around 8 m tall. Very widely planted all over the world including India. They are arranged spirally along loose hanging stems. Very adaptable. Grows in a wide climatic range.Good for making bonsai, for screening, for Hedges and Borders, to Attracts birds Attracts butterflies, Attracts bees Salt or salinity tolerant
3	Polyalthia longifolia,	Ashoka	17	Native to India, is a lofty evergreen tree, commonly planted due to its effectiveness in alleviating noise pollution. It exhibits symmetrical pyramidal growth with willowy weeping pendulous branches and long narrow lanceolate leaves with undulate margins. The tree is known to grow over 30 ft in height.
4	Hyophorbe lagenicaulis	Bottle Palm	130	Bottle palm has a large swollen trunk. Bottle palm has only four to six leaves open at any time. The flowers of the palm arise from under the crownshaft.
5	TOTAL	TOTAL	252	---

45.Total quantity of plants on ground

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


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

47.Energy


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

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

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

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


51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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


b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, Effluent from ETP	--	3.62
2	Water	STP/ETP	24.42	6.48
3	Energy	Solar PV Cells / Streetlight/Wire rope LED light	100.00	8.00
4	Land Environment	Gardening	0.00	2.52
5	Solid Waste	Solid waste management	1.60	2.52
6	TOTAL	--	126.02	23.14

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Open Yard: Class-2 and its subclass (gases)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Import and domestic manufacture of cargos which send for storage at our premises	By Road / By Rail
Class-3 and its subclass (flammable liquids)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Same as above	Same as above
Class-4 and its subclass (flammable solids)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	50 T Maximum storage	50 T Maximum storage	Nil	Same as above	Same as above
Class-5 and its subclass (oxides & peroxides)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	50 T Maximum storage	50 T Maximum storage	Nil	Same as above	Same as above
Class-6 and its subclass (Toxic)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	215 T Maximum storage	215 T Maximum storage	Nil	Same as above	Same as above
Class-8 (corrosives)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Same as above	Same as above
Class-9 and its subclass (Miscellaneous)UN Hazard Classes	Proposed	open yard storage - proposed quantities of dangerous class	315 T Maximum storage	315 T Maximum storage	Nil	Same as above	Same as above
Ware House: Class-2 and its subclass (gases) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	100 T Maximum	100 T Maximum	Nil	Same as above	Same as above
Class-3 and its subclass (flammable liquids) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	3500 T Maximum storage	3500 T Maximum storage	Nil	Same as above	Same as above


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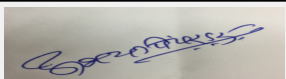
Class-4 and its subclass (flammable solids) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	300 T Maximum storage	300 T Maximum storage	Nil	Same as above	Same as above
Class-5 and its subclass (oxides & peroxides) Hazard Classes	Proposed	warehouse storage - proposed quantities of dangerous class	500 T Maximum storage	500 T Maximum storage	Nil	Same as above	Same as above
Class-6 and its subclass (Toxic) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	6000 T Maximum storage	6000 T Maximum storage	Nil	Same as above	Same as above
Class-8 (corrosives) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	6000 T Maximum storage	6000 T Maximum storage	Nil	Same as above	Same as above
Class-9 and its subclass (Miscellaneous) HazardClasses	Proposed	warehouse storage - proposed quantities of dangerous class	1100 T Maximum storage	1100 T Maximum storage	Nil	Same as above	Same as above

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	As per requirement
	Area per car:	As per requirement
	Area per car:	As per requirement
	Number of 2-Wheelers as approved by competent authority:	12 sq. ft per vehicle
	Number of 4-Wheelers as approved by competent authority:	11
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	6 (b)



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	Court cases pending if any	No
	Other Relevant Informations	<p>Though we receive quite a few dangerous cargos as per MSIHC Rules, but there are substantial dangerous cargos that are outside the MSIHC too. Moreover, all of the dangerous cargos that we receive are not described and don't have their correct technical names mentioned or communicated anywhere in form of any documents to us. The identification of these dangerous cargo happens only when it comes physically to us at our site. The identification happens by UN classification stickers that are put up on 3 sides of container and after the physical examination done by the Custom's.</p> <p>Keeping all of these in mind, we hereby kindly plead to let us store & segregate the dangerous cargos as per UN classification of hazards as well as IMDG- International Maritime Dangerous Goods code (MSC.1/Circ.1216 of 26 February 2007 titled "Revised recommendations on the safe transport of dangerous cargoes and related activities in port areas"). All the applicable Indian and its related state laws shall be abiding for us.</p> <p>Classes of dangerous goods:</p> <ol style="list-style-type: none"> 1) Class-2 and its subclass (gases): eg.-Helium, R134a, R410A, Butane, Propane etc. 2) Class-3 and its subclass (flammable liquids): eg- Isopropanol, Methanol, MIBK, Toluene, LAB, Acetone / acetone oils, Adhesives, Paints, lacquers, varnishes etc. 3) Class-4 and its subclass (flammable solids): eg.- Phosphorus, Sulphur etc. 4) Class-5 and its subclass (oxides & peroxides): eg.- Potassium nitrate, Aluminium nitrate etc. 5) Class-6 and its subclass (Toxic and Infectious): eg.- Epichlorhydrine, MDI, TDI etc. 6) Class-8 (corrosives) eg.- Acetic, acid, Carboic acid, phenol, Hydrogen fluoride, Iodine, Morpholine 7) Class-9 and its subclass (Miscellaneous): eg.- Polychlorinated biphenyls, Polychlorinated terphenyls, Dibromodifluoromethane, Benzaldehyde etc.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
Brief information of the project by SEAC		
PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.		
DECISION OF SEAC		


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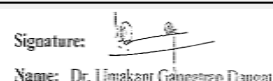
SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject:** Environment Clearance for Proposed Specialty Chemicals Manufacturing Unit at Plot No: 2/2, Nagothane MIDC, Velshet village, Taluka Roha, District Raigad, Maharashtra State

1.Name of Project	M/s Venus Ethoxyethers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pandurang S Vernekar
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No : 2/2, Nagothane MIDC
9.Taluka	Roha
10.Village	Velshet
Correspondence Name:	Mr. Pandurang S Vernekar
Room Number:	Plot no : 109-111
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Bicholim Industrial Estate, Bicholim
City:	Goa - 403 529
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 14395
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): 14395
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	1163923780

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
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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))	8 meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Organic Surface Active Agents.	0	6000	6000
2	Auxiliaries for Textile / Leather/ Cosmetics /Water Treatment/ Agrochemical/ Paints etc Industries	0	1000	1000
3	Esters	0	1000	1000
4	Glycol Ethers	0	1000	1000
5	Sulphonated / Sulphated Products/ Sulphosuccinates	0	500	500
6	Polyethers	0	1000	1000
7	Other organic chemicals like Blend of fatty acid ethoxylate	0	200	200
8	Amine Function Compounds	0	200	200
9	Fat liquers for Leathers	0	200	200

32.Total Water Requirement


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


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	4.5	4.5	0	0.9	0.9	0	3.6	3.6
Industrial Process	0	39	39	0	0	0	0	39	39
Cooling tower & thermopack	0	225.44	225.44	0	200.43	200.43	0	25.01	25.01
Gardening	0	184.5	184.5	0	184.5	184.5	0	0	0


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Fresh water requirement	0	453.44	453.44	0	385.83	385.83	0	67.61	67.61
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	-
	Size and no of RWH tank(s) and Quantity:	1 nos RWH tank of 100 KL capacity
	Location of the RWH tank(s):	North side of plant C
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	1 Lakh
	Details of UGT tanks if any :	Rain water harvesting & MIDC water storage tanks will be provided

35.Storm water drainage	Natural water drainage pattern:	Storm water drainage line will be provided within plant premises
	Quantity of storm water:	41.88 Kl/Hr
	Size of SWD:	0.6 m X 0.65 m

Sewage and Waste water	Sewage generation in KLD:	3.6 KLD sewage effluent will be generated due to domestic activity
	STP technology:	NA. domestic effluent load will be connected to the aeration tank of the ETP.
	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:	55.2 T/M
	Disposal of the construction waste debris:	Construction waste will be disposed through local municipal body.

Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Chemical Sludge from Wastewater treatment : 24 MT/A, Broken Glass ware : 25 Kg/M, MEE Residue : 0.357 MT/D, Discarded containers /Drums : 50 nos/M, Plastic Bags : 100 Nos/M, Spent Oil : 300 Lit/A, E-waste : 5 kg/M
	Biomedical waste (If applicable):	Biomedical waste can be generate from OHC of proposed plant. Cat : Yellow (c) - 5 kg/M
	STP Sludge (Dry sludge):	NA
	Others if any:	Non Hazardous Solid Waste like Fly Ash, Non Contaminated Empty drums,Plastic Bags will be generated from proposed activity.

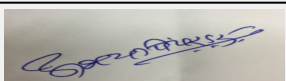
Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Hazardous waste generated from overall activity of the project will be disposed through CHWTSDF and MPCB authorized recycler as applicable
	Biomedical waste (If applicable):	Biomedical waste will be disposed through CBMWTSDf
	STP Sludge (Dry sludge):	NA
	Others if any:	Non Hazardous solid waste will be disposed through MPCB authorized vendor
Area requirement:	Location(s):	Hazardous waste will be stored in demarcated area near to the ETP
	Area for the storage of waste & other material:	1000 Sqm
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	0.50 Cr
	O & M cost:	0.64 Cr

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	5.1	6.5-7.5	5.5 to 9.0
2	BOD	mg/l	2400	<100	<100
3	COD	mg/l	7000	<250	<250
4	TDS	mg/l	5000	<2100	<2100
5	TSS	mg/l	3000	<100	<100
Amount of effluent generation (CMD):		67.61			
Capacity of the ETP:		100 CMD			
Amount of treated effluent recycled :		67.3 CMD			
Amount of water send to the CETP:		It will be ZLD project			
Membership of CETP (if require):		NA. It will be ZLD project			
Note on ETP technology to be used		<ul style="list-style-type: none"> • It will be ZLD project. • ETP of 100 CMD Capacity, comprises of Primary, Secondary and Tertiary Treatment facility will be provided. The domestic effluent load will be connected to the aeration tank of ETP. For further purification of treated effluent from tertiary treatment facility, two stage RO systems will be provided. • To treat reject from RO system, MEE with ATFD of 20 CMD capacity will be installed. 			
Disposal of the ETP sludge		ETP sludge will be disposed through CHWTSDF			

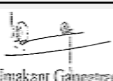
38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from Wastewater treatment	35.3	MT/A	0	24	24	CHWTSDF
2	Broken Glass ware	33.1	Kg/M	0	25	25	MPCB authorized recycler
3	MEE Residue	37.3	MT/D	0	0.357	0.357	CHWTSDF


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4	Discarded containers /Drums	33.1	Nos/M	0	50	50	MPCB authorized recycler
5	Plastic Bags	33.1	Nos/M	0	100	100	MPCB authorized recycler
6	Spent Oil	5.1	Lit/A	0	300	300	MPCB authorized recycler
7	E-waste	as per Schedule 1 of E-waste management rule,2016	kg/M	0	5	5	MPCB authorized recycler
8	Biomedical Waste	Yellow (c)	kg/M	0	5	5	Disposed through CBMWTSDF
9	Fly Ash (Non Hazardous Solid Waste)	-	MT/D	0	0.286	0.286	MPCB authorized Brick manufacturer
10	Non Contaminated Empty drums (Non Hazardous Solid Waste)	-	Nos/M	0	50	50	MPCB authorized vendor
11	Non Contaminated Plastic Bags (Non Hazardous Solid Waste)	-	Nos/M	0	100	100	MPCB authorized vendor

39.Stacks emission Details


Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	3 TPH Boiler	FO or Briquettes	01	34	0.6	230-250 Deg C
2	3 TPH Standby Boiler	FO or Briquettes	02	34	0.6	230-250 Deg C
3	Scrubber for Propylene Oxide	-	03	16	0.1	40 Deg C
4	Scrubber for Ethylene Oxide	-	04	16	0.1	40 Deg C
5	Reactor Vent Scrubber	-	05	16	0.1	40 Deg C
6	Reactor safety valve vent scrubber	-	06	16	0.1	40 Deg C
7	Diesel generator-1 500 KVA	HSD	07	5.0 above roof	0.2	80 Deg C
8	Diesel generator-2 500 KVA	HSD	08	5.0 above roof	0.2	80 Deg C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	222 L/Hr	222 L/Hr
2	FO	0	4.54 KL/D	4.54 KL/D
3	Briquettes (Alternate Fuel)	0	9.54 MT/D	9.54 MT/D


41.Source of Fuel Local vendor

42.Mode of Transportation of fuel to site By Road


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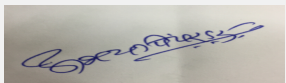
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43.Green Belt Development	Total RG area :	61432 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	15358
	List of proposed native trees :	Terminalia bellerica, Moullava spicata, Callicarpa tomentosa, Microcos paniculata, Calotropis gigentia, Plumeria rubra, Caesalpinia pulcherrima, Aegle marmelos, Carissa carandas, Mangifera indica, Derris indica, Holoptelea integrifolia, Terminalia arjuna, Ervatamia divaricata, Firmiana colorata, Neolamarckia cadamba, Cordia dichotoma, Pterospermum acerifolium, Bombax ceiba, Bridelia retusa, Azadirachta indica, Albizia lebbeeck , Macaranga peltata, Tabernaemontana alternifolia, Helicteres isora,
	Timeline for completion of plantation :	4 years after grant of Environmental Clearance

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Heterophragma quadriloculare	Waras	432	A native deciduous tree visited by nectar feeding birds. Large leaf area helps in settling of dust.
2	Oroxylum indicum	Tetu	439	A native ornamental tree.
3	Nerium oleander	Kaner	439	A native hardy species, drought resistant with fragrant flowers.
4	Schleichera oleosa	Kusum	439	A native tree found in abundance in Sahyadris.
5	Terminalia elliptica	Ain	439	A native evergreen broad leaved tree common in the Sahyadris.
6	Terminalia paniculata	Kindal	439	Kindal is a tropical tree with a large natural distribution in Western Ghats
7	Catunaregum spinosa	Gela	439	Mountain Pomegranate is an armed shrub or small native evergreen tree
8	Butea monosperma	Palash	439	A native brilliantly flowering tree fed by local birds fairly common and abundant
9	Erythrina variegata	Pangahara	439	A highly valued native ornamental tree.
10	Cassia fistula	Bahava	439	Native ornamental tree having flowers attracting bees and butterflies
11	Helicteres isora	Murudsheng	439	A native shrub extensively found in the tracts & plains of sahyadri used as roost plant by variety of birds.
12	Tabernaemontana alternifolia	Naag kuda	439	A small evergreen native tree
13	Macaranga peltata	Chandwar	439	A native tree found in abundance across the sahyadri range
14	Albizia lebbeeck	Sirish	439	A native tree with thick canopy.
15	Azadirachta indica	Neem	439	A native evergreen tree known for plantation in polluted area.

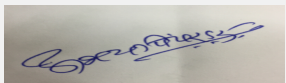

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16	Bridelia retusa	Asana	439	Native evergreen tree having medicinal importance.
17	Bombax ceiba	Sawar	439	A native tree with large showy flowers visited by birds.
18	Pterospermum acerifolium	Muchkund	439	A native evergreen tree used for ornamental plantations.
19	Cordia dichotoma	Shelu	439	Native deciduous tree attracting various insects
20	Neolamarckia cadamba	Kadamba	439	A native evergreen tree with thick canopy.
21	Firmiana colorata	Kaushi	439	A brilliantly flowering native tree abundant in forests of Western Ghats & Deccan
22	Ervatamia divaricata	Ananata	439	A native tree blooming through the year
23	Terminalia arjuna	Arjun	439	A native evergreen tree with large canopy
24	Holoptelea integrifolia	Vavala	439	A native tree
25	Derris indica	Karanja	439	A native tree blooming throughout the year
26	Mangifera indica	Amba	439	A native evergreen tree with large canopy & large leaf area which helps in dust settling
27	Carissa carandas	Karwanda	439	A native evergreen shrub
28	Aegle marmelos	Bael	439	A native evergreen tree
29	Caesalpinia pulcherrima	Shankasur	439	A native evergreen ever flowering shrub
30	Plumeria rubra	Chafa	439	An evergreen brilliantly flowering shrub
31	Calotropis gigentia	Rui	439	A native evergreen shrub with thick leaves which helps in dust settling
32	Microcos paniculata	Shirali	439	A native evergreen tree abundantly found across the Sahyadri ranges
33	Callicarpa tomentosa	Aisar	439	A native evergreen tree with beautiful flowers & thick hairy leaves which helps in dust settling
34	Moullava spicata	Waghati	439	A native evergreen shrub usually visited by birds and abundantly found in Sahyadris
35	Terminalia bellerica	Baheda	439	A native medicinally important tree
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
47.Energy				


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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	1000 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2000 KW
	During Operation phase (Demand load):	2000 KW
	Transformer:	2000 KW
	DG set as Power back-up during operation phase:	2 nos DG set of 500 KVA capacity
	Fuel used:	HSD : 222 L/Hr
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

NA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems

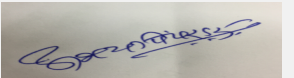
Source	Existing pollution control system	Proposed to be installed
Process Emissions	NA	5 nos Water scrubbers of 2000 CFM capacity will be provided
Boiler	NA	Individual Stack of 34 meter height will be provided for each boiler
D.G.. set	NA	stack of 5 meter above roof will be provided to each DG set

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 emissions	Dust suppression	5
2	Water Environment	Arrangement of sanitary facility like mobile toilets etc	10


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3	Solid Hazardous waste	Handling, transportation and disposal of Construction waste	12
4	Noise Environment	PUC certified vehicles etc, PPE	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Installation of Scrubbers, stacks and bagfilters	307	20
2	Water Environment	Construction of ETP, installation of MEE & RO Unit	385	60
3	Noise Environment	Noise Pollution Control, Installation of anti-vibration pads, & Enclosures.	90	10
4	Solid waste management	waste management	50	64
5	Environment Monitoring	Monitoring	0	4
6	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual healthmedical checkup of workers, Occupational Health (training, OHC center)	20	10
7	Green Belt	Development and maintenance of green belt	42.9	2.1
8	Rain water harvesting	Construction of RHW tank	10	1


51.Storage of chemicals (inflammable/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
2 Ethyl Hexanol	Liquid	Tank	20	20	25	Local	By Road
Acetic Acid	Liquid	Drum	5	5	5	Local /Imported	By Road
Nonyl Phenol	Liquid	Tank	120	120	400	Local /Imported	By Road
Dodecyl Phenol	Liquid	Drum	20	20	70	Local /Imported	By Road
Para Octyl Phenol	Solid	Bags	60	60	150	Local /Imported	By Road



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Allyl Alcohol	Liquid	Drum	10	10	10	Local /Imported	By Road
Monoethanol Amine	Liquid	Drum	10	10	20	Local /Imported	By Road
Diethanol Amine	Liquid	Drum	10	10	20	Local /Imported	By Road
Diethyl Triamine	Liquid	Drum	10	10	20	Local /Imported	By Road
Ethylene Diamine	Liquid	Drum	15	15	30	Local /Imported	By Road
Amino Ethyl Ethanol Amine	Liquid	Drum	10	10	20	Local /Imported	By Road
Benzyl Chloride	Liquid	Drum	2	2	2	Local	By Road
Bisphenol-A	Solid	Bags	2	2	2	Local /Imported	By Road
Butanol	Liquid	Drum	2	2	5	Local	By Road
Butylene Oxide	Liquid	Drum	4	4	20	Imported	By Road
Castor Oil	Liquid	Tank	100	100	600	Local	By Road
Caustic Pottash Flakes	Solid	Bags	5	5	5	Local	By Road
Caustic Soda Flakes	Solid	Bags	5	5	5	Local	By Road
Citric Acid	Solid	Bags	2	2	2	Local	By Road
Diethylene Glycol	Liquid	Tank	30	30	170	Local	By Road
Dimethyl Lauryl Amine	Liquid	Drum	5	5	5	Local /Imported	By Road
Dimethyl Octyl Amine	Liquid	Drum	5	5	5	Local /Imported	By Road
Dipropylene Glycol	Liquid	Drum	10	10	50	Local /Imported	By Road
Dipropylene Glycol	Liquid	Drum	10	10	50	Local /Imported	By Road
Ethylene Oxide	Liquid	Tank	40	40	4000	Reliance/local	Pipeline/Road
Coconut Fatty Acid	Liquid	Drum	20	20	80	Local /Imported	By Road
Lauric Fatty Acid	Solid	Bags	10	10	50	Local /Imported	By Road
Oleic Fatty Acid	Liquid	Drum	20	20	70	Local /Imported	By Road
Stearic Fatty Acid	Solid	Bags	50	50	150	Local /Imported	By Road
Alcohol C11 (Undecyl Alcohol, Exxal -11)	Liquid	Tank	30	30	50	Imported	By Road
Alcohol C18 (Stearyl Alcohol)	Solid	Bags	25	25	50	Local /Imported	By Road
Alcohol C24 (Decyltetradecanol, Isofol 24)	Liquid	Drum	20	20	30	Imported	By Road
Alcohol C10 (Decyl Alcohol, Exxal 10, Isodecanol)	Liquid	Tank	60	60	100	Imported	By Road
Alcohol C12-C14 (Lauryl Alcohol)	Liquid	Tank	200	200	850	Local /Imported	By Road
Alcohol C12-C15 (Neodol -25)	Liquid	Tank	25	25	40	Imported	By Road
Alcohol C12-C18 (Lauryl Stearyl Alcohol)	Liquid	Drum	50	50	100	Local /Imported	By Road



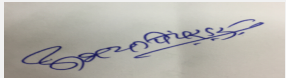
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Alcohol C13 (Tridecyl Alcohol /Isotridecanol)	Liquid	Tank	200	200	300	Imported	By Road
Alcohol C16-C18 (Ceto Stearyl Alcohol)	Solid	Bags	20	20	40	Local /Imported	By Road
Alcohol C18-C22 (Stearyl Behenyl Alcohol , Vegarol 1822)	Solid	Bags	10	10	20	Local /Imported	By Road
Alcohol C22 (Behenyl Alcohol)	Solid	Bags	10	10	20	Local /Imported	By Road
Alcohol C8 -C10 (Capryl Capric Alcohol , Alfol 810)	Liquid	Tank	25	25	30	Local /Imported	By Road
Alcohol C9-C11 (Neodol 91)	Liquid	Tank	25	25	40	Imported	By Road
Cocoamine	Liquid	Drum	20	20	30	Local /Imported	By Road
Oleyl Amine	Liquid	Drum	20	20	30	Local /Imported	By Road
Stearyl Amine	Solid	Bags	20	20	30	Local /Imported	By Road
Tallow Amine	Liquid	Drum	20	20	30	Local /Imported	By Road
Tallow Diamine	Liquid	Drum	20	20	30	Local /Imported	By Road
Glycerine (Glycerol)	Liquid	Drum	20	20	40	Local /Imported	By Road
Hydrogen Peroxide	Liquid	Drum	2	2	2	Local	By Road
Hydrogenated Castor Oil	Solid	Bags	50	50	200	Local	By Road
Iso Propyl Alcohol	Liquid	Drum	2	2	5	Local /Imported	By Road
Methanol	Liquid	Drum	4	4	10	Local	By Road
Phenol	Liquid	Tank	10	10	50	Local /Imported	By Road
Phosphorous Pentoxide	Liquid	Drum	2	2	4	Local /Imported	By Road
Polypropylene Glycol (Ppg -1000)	Liquid	Drum	20	20	80	Local /Imported	By Road
Polypropylene Glycol (Ppg -2000)	Liquid	Drum	50	50	100	Local /Imported	By Road
Propylene Glycol	Liquid	Drum	10	10	20	Local /Imported	By Road
Propylene Oxide	Liquid	Tank	60	60	2500	Local /Imported	By Road
Sodium Mono Chloro Acetate	Solid	Bags	10	10	20	Local	By Road
Sodium Sulphate	Solid	Bags	5	5	10	Local	By Road
Sorbitan Mone Laurate	Liquid	Drum	20	20	40	Local /Imported	By Road
Sorbitan Mone Oleate	Liquid	Drum	20	20	40	Local /Imported	By Road
Sorbitan Mono Stearate	Solid	Bags	10	10	20	Local /Imported	By Road
Sorbitol 70 %	Liquid	Tank	10	10	40	Local	By Road
Styrenated Phenol	Liquid	Tank	10	10	20	Local /Imported	By Road


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Styrene	Liquid	Drum	10	10	40	Local /Imported	By Road
Sulfamic Acid	Solid	Bags	10	10	40	Local	By Road
Urea (Technical Grade)	Solid	Bags	5	5	10	Local	By Road

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	22538 sqm
	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):	12 meters
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f) Category : B-1
	Court cases pending if any	NA


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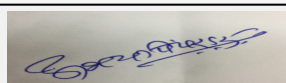
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Other Relevant Informations

Above mentioned products are the groups of different products. therefore detailed list of products are as bellow

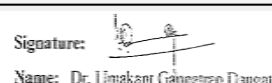
- 1) Organic Surface Active Agents. - 6000 MT/M
 - 1.1 Alkyl Phenol (Nonyl Phenol / Paraoctyl Phenol Dodecyl Phenol) Ethylene Oxide Condensate And /or
 - 1.2 Fatty Alcohol (Alcohol C11 , Alcohol C12 -14, Alcohol C13 , Alcohol C16 - C18 etc) Ethylene Oxide Condensate And / or
 - 1.3 Fatty Amine (Cocoamine , Oleyl Amine, Tallow Amine Tallow Diamine Ethylene Oxide Condensate And /or
 - 1.4 Fatty Acid (Coconut Fatty Acid, Lauric Fatty Acid , Oleic Fatty Acid, Steric Fatty Acid etc) Ethylene Oxide Condensate And /or
 - 1.5 Castor Oil Ethylene Oxide Condensate And /Or
 - 1.6 Styrenated Phenol Ethylene Oxide Condensate And /Or
 - 1.7 Fatty Alcohol (Alcohol C11 , Alcohol C12 -14, Alcohol C13 etc, Ethylene Oxide, Propylene Oxide Condensate And / or
 - 1.8 Fatty Alcohol (Alcohol C11 , Alcohol C12 -14, Alcohol C13 , Alcohol C16 - C18 etc) Ethylene Oxide Condensate Sulphate Sodium /Ammonium Salt And /or
 - 1.9 Sorbitan Esters (Sorbitan Mono Oleate, Sorbitan Mono Laurate, Sorbitan Mono Stearate etc) Ethylene Oxide Condensate And/or
 - 1.10 Ethylene Oxide / Propylene Oxide Co Polymers And /or
 - 1.11 Polyethylene Glycols (PEGs) And /or
 - 1.12 Amines (Monoethanol Amine, Ethylene Diamine etc.) Ethylene Oxide Condensate And /or
- 2) Auxiliaries for Textile / Leather/ Cosmetics /Water Treatment/ Agrochemical/ Paints etc Industries - 1000 MT/M
 - 2.1 Blend of Fatty Alcohol Ethylene Oxide Condensates And/ or
 - 2.2 Blend of Castor Oil Ethylene Oxide Condensates and Fatty Amine Ethylene Oxide Condensates, Fatty Alcohol Ethylene Oxide Condensates etc. And /or
 - 2.3 Blend of Fatty Alcohol Ethylene Oxide condensate and its sulphate sodium /ammonium salt And /or
 - 2.4 Blend of various Other Organic Surface Active agents And /or
- 3) Esters - 1000 MT/M
 - 3.1 Sorbitan Esters like Sorbitan Mono Stearate, Sorbitan Mono Oleate Sorbitan Mono Laurate, Sorbitan Tri Oleate etc. And /or
 - 3.2 Fatty Alcohol , Fatty Acid Stearate like Stearyl Stearate, Oleyl Oleate, Tridecyl Stearate etc. And /or
 - 3.3 Polyethylene Glycol Mono Oleate, Polyethylene Glycol Dioleate, Ethylene Glycol Monostearate etc. And /or
 - 3.4 Phosphate Esters like Fatty Alcohol Phosphates ester, Fatty Alcohol Ethylene Oxide condensate Phosphate Esters And/or
- 4) Glycol Ethers - 1000 MT/M
 - 4.1 Ethylene Glycol Mono Butyl Ether And/ or
 - 4.2 Diethylene Glycol Mono Butyl Ether And/ or
 - 4.3 Ethylene Glycol Mono Methyl Ether And/ or
 - 4.4 Diethylene Glycol Mono Methyl Ethers And/ or
 - 4.5 Polyethylene Glycol Mono Butyl Ether And/ or
 - 4.6 Polypropylene Glycol Mono Butyl Ether And/ or
- 5) Sulphonated / Sulphated Products/ Sulphosuccinates - 500 MT/M
 - 5.1 Fatty Alcohol (Alcohol C12 -14) Ethoxylate Sulphate Sodium / Ammonium salt And /Or
 - 5.2 Alkyl Phenol (Nonyl Phenol / Para Octyl Phenol) Ethoxylate Sulphate Sodium/ Ammonium salt And /or
 - 5.3 2 Ethyl Hexyl Sulphate Sodium / Ammonium salt And /or
 - 5.4 Disodium Dioctyl Sulphosuccinate And/ or
- 6) Polyethers - 1000 MT/M
 - 6.1 Polyethylene Glycols And/ or
 - 6.2 Polypropylene Glycols And/ or
 - 6.3 Polyalkylene Glycols And/ or
- 7) Other organic chemicals like Blend of fatty acid ethoxylate - 200 MT/M
- 8) Amine Function Compounds - 200 MT/M
 - 8.1 Triethanolamine
- 9) Fat liquers for Leathers - 200 MT/M



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

Brief information of the project by SEAC

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

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

DECISION OF SEAC


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

Specific Conditions by SEAC:

- 1) PP to submit layout plan showing internal road of six meters and turning radius of nine meters, 33% green belt, location of pollution control equipment, location of hazardous chemical storage, parking areas, entry/exit gates etc.
- 2) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house gases emission and ozone depletion potential etc.
- 3) PP to carry out HAZOP and QRA and include in the EIA/EMP report
- 4) PP to submit hazardous chemical handling protocol.
- 5) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 6) PP to explore possibility to plant indigenous trees on the land adjacent to their plot on the bank of river AMBA with the permission of MIDC.
- 7) PP to include separate chapter on the applicability of various Notifications, Office Memorandum issued by MoEF&CC on the Eco sensitive Areas of the Western Ghats.

FINAL RECOMMENDATION

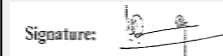
The Committee decided to Grant ToR subject to the above observations, PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.



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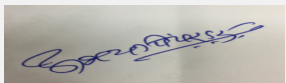
Dr. Umakant Dangat (Chairman SEAC-I)

SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject:** Environment Clearance for Proposed Establishment of Common Effluent Treatment Plant (CETP) at Plot No P - 30, Ambad MIDC area, Village Ambad, Tehsil Nasik, Dist. Nasik, Maharashtra by Nasik CETP Foundation

1.Name of Project	Proposed Establishment of Common Effluent Treatment Plant (CETP) at Plot No P - 30, Ambad MIDC area, Village Ambad, Tehsil Nasik, Dist. Nasik, Maharashtra by Nasik CETP Foundation
2.Type of institution	Private
3.Name of Project Proponent	Nashik CETP Foundation
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No P - 30, Ambad MIDC area, Village Ambad, Tehsil Nasik, Dist. Nasik, Maharashtra
9.Taluka	Nashik
10.Village	Ambad
11.Area of the project	MIDC Ambad
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval IOD/IOA/Concession/Plan Approval Number: MIDC Plan approval Approved Built-up Area: 8900
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.)	8900 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 8900
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	110000000

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)			



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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable. Proposed project is for establishment of CETP of 500 CMD.	0	0	0


32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	12 cmd
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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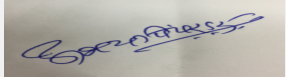
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water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

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	1	1	0	0.2	0	0	0.8	0.8
Industrial Process	0	11	11	0	5	5	0	6	6

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

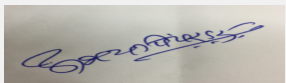

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35.Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	Sewage generation in KLD:	0.8 CMD
	STP technology:	Not applicable. Sewage will be treated in proposed CETP.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of debris will be generate.
	Disposal of the construction waste debris:	Construction waste debris will be disposed off as per norms.
Waste generation in the operation Phase:	Dry waste:	Boiler Ash: 0.500 MT/Day, Empty Containers (MS/Fibre Drums/Glass Bottles etc.): 100 Nos /Annum, Empty containers/ HDPE drums: 400 Nos./ Annum, HDPE bags: 10 MT / Annum, Paper waste: 1 MT/Annum
	Wet waste:	--
	Hazardous waste:	Chemical sludge: 365 T/Annum, Spent Carbon: 5 T/Annum
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Boiler Ash: Landfill / brick manufacturer, Empty Containers (MS/Fibre Drums/Glass Bottles etc.): After decontamination Sold to scrap dealers, Empty Containers HDPE Drums: After decontamination Sold to scrap dealers., HDPE bags.: After decontamination Sold to scrap dealers, paper waste: Sold to scrap dealers
	Wet waste:	--
	Hazardous waste:	Chemical sludge: For landfill to approved CHWTSDF site, Spent Carbon: For landfill to approved CHWTSDF site
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	As per requirement
	Area for the storage of waste & other material:	As per requirement
	Area for machinery:	--


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

37. Effluent Characteristics



Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	--	6-9	6-9
2	Total Suspended Solids	mg/L	130	100	100
3	Bio-Chemical Oxygen Demand (B.O.D)3 days	mg/L	NA	100	100
4	Chemical Oxygen Demand (C.O.D)	mg/L	800-1200	250	250
5	Chlorides	mg/L	600-900	1000	1000
6	Sulphates	mg/L	85 to 100	1000	1000
7	Oil & Grease	mg/L	<10	10	10
8	Phosphates asPO4	mg/L	20 to 50	Not Specified	Not Specified
9	Copper as Cu	mg/L	10 to 12	3	3
10	Tin	mg/L	2 to 5	Not Specified	Not Specified
11	Cadmium	mg/L	Traces	Not Specified	Not Specified
12	Silver	mg/L	Traces	Not Specified	Not Specified
13	Aluminum	mg/L	1 to 5	Not Specified	Not Specified
14	Chromium	mg/L	50 to 130	2	2
15	Cyanide	mg/L	5 to 10	Not Specified	Not Specified
16	Iron	mg/L	40 to 50	3	3
17	Zinc	mg/L	70 to 100	15	15
18	Nickel	mg/L	15 to 20	Not Specified	Not Specified
19	Total Dissolved Solids (TDS)	mg/L	2200 to 2500	2100	2100

Amount of effluent generation (CMD):	500
Capacity of the ETP:	500 cmd
Amount of treated effluent recycled :	partly recycle
Amount of water send to the CETP:	Not applicable.
Membership of CETP (if require):	Not applicable. Proposed project is establishment of CETP.
Note on ETP technology to be used	pH correction > Chromium & Cyanide treatment > Neutralization > Common equalization > Flocculator > Primary clarifier > Pressure Sand filter > Activated carbon filter > UF system > RO system > MEE system > ATFD system
Disposal of the ETP sludge	To CHWTSDF

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from wastewater treatment	35.3	TPA	0	365	365	For Landfill to CHWTSDF
2	Spent carbon	36.2	TPA	0	5	5	For Landfill to CHWTSDF

39. Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Steam boiler of 1500 kg/hr (6 barg steam)	Briquette ~ 6 T/day	1	as per norms	as per norms	as per norms
2	DG set 100 KVA	HSD ~ 22 Litres / hr	2	as per norms	as per norms	as per norms

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	0	6 TPD	6 TPD
2	HSD	0	22 Litres / hr	22 Litres / hr
41.Source of Fuel		From nearby source		
42.Mode of Transportation of fuel to site		By road		

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	from MSEDCL
	During Construction Phase: (Demand Load)	200 KVA
	DG set as Power back-up during construction phase	DG set: 100 KVA
	During Operation phase (Connected load):	200 KVA
	During Operation phase (Demand load):	200 KVA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	DG set: 100 KVA
	Fuel used:	HSD ~ 22 Litres / hr
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

Details will be given in EIA report

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution	Not applicable	Adequate stack height
Water pollution	Not applicable	ETP, UF system, RO system, MEE system, ATFD system
Hazardous waste generation	Not applicable	disposal to CHWTSDF

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


51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Details will be given in EIA report	Details will be given in EIA report	Details will be given in EIA report


b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Details will be given in EIA report	Details will be given in EIA report	Details will be given in EIA report	Details will be given in EIA report			
51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	Not applicable					
Parking details:	Number and area of basement:	Not applicable					
	Number and area of podia:	Not applicable					
	Total Parking area:	As per MIDC norms					
	Area per car:	Not applicable					
	Area per car:	Not applicable					
	Number of 2-Wheelers as approved by competent authority:	Not applicable					
	Number of 4-Wheelers as approved by competent authority:	Not applicable					
	Public Transport:	Not applicable					
	Width of all Internal roads (m):	Min 6 m					
	CRZ/ RRZ clearance obtain, if any:	Not applicable					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable					
	Category as per schedule of EIA Notification sheet	7 (h)					
	Court cases pending if any	Not applicable					


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	Other Relevant Informations	Proposed project is establishment of Common effluent treatment plant within MIDC area. The total capacity of CETP is 500 cmd.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-07-2017

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 7(h)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF& CC published in April, 2015.

PP made presentation for the TOR based on Model TOR issued by MoEF&CC for proposed CETP for electroplating industries situated in Ambad MIDC, Nasik having capacity of 500 CMD.

DECISION OF SEAC

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


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

Specific Conditions by SEAC:

- 1) PP to submit registration documents of CETP Foundation.
- 2) PP to submit copy of DPR approved by NEERI on the web site.
- 3) PP to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc
- 4) PP proposes the transport of raw effluent by tankers as the industries and small and the topography is difficult. PP to submit a justification from MIDC/Competent authority as to why pipe line for transport of raw effluent from industry to the CETP is not possible.
- 5) PP to include plan for ultimate disposal sludge containing heavy metals.
- 6) PP to submit their plan for disposal of treated effluent in the EIA/EMP report.
- 7) PP to provide 100% back to the CETP as its an emergency facility.
- 8) PP to explore possibility to recover heavy metals like chromium, cyanide, silver, zinc etc.


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.


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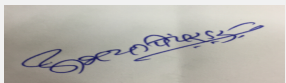
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SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject: Environment Clearance for Environmental clearance MPCB**

1.Name of Project	R G MOULDING
2.Type of institution	Private
3.Name of Project Proponent	VAIBHAV RAMRAO TAYADE
4.Name of Consultant	RAMRAO GOMAJI TAYADE
5.Type of project	GRAM PANCHAYAT INDUSTRIAL ESTATE
6.New project/expansion in existing project/modernization/diversification in existing project	NEW PROJECT
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	GUT NO.67 ,PLOT NO.6 ,VILLAGE- WAGDAON KOLHATI
9.Taluka	AURANGABAD
10.Village	WADGAON KOLHATI
11.Area of the project	GRAM PANCHAYAT
12.IOD/IOA/Concession/Plan Approval Number	NOC
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	GRAM PANCHAYAT, WADGAON KOLHATI
15.Total Plot Area (sq. m.)	1600 Sq.ft
16.Deductions	NA
17.Net Plot area	1500 sq.ft.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 130
	b) Non FSI area (sq. m.): 19
	c) Total BUA area (sq. m.): 2000000
19.Total ground coverage (m2)	140
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14
21.Estimated cost of the project	1000000

22.Number of buildings & its configuration


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	plot no.6 gut no.67	1	5
23.Number of tenants and shops	1		
24.Number of expected residents / users	1		
25.Tenant density per hectare	NA		
26.Height of the building(s)			



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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30ft
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	40ft
29.Existing structure (s) if any	complete
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	NA	NA	NA	NA


32.Total Water Requirement

Dry season:	Source of water	NA
	Fresh water (CMD):	.001
	Recycled water - Flushing (CMD):	.03
	Recycled water - Gardening (CMD):	.001
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	0.032
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	.005
	Excess treated water	REUSED


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Wet season:	Source of water	NA
	Fresh water (CMD):	.001
	Recycled water - Flushing (CMD):	.02
	Recycled water - Gardening (CMD):	.0005
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	0.0215
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	.005
	Excess treated water	REUSED

Details of Swimming pool (If any)


NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Cooling tower & thermopack	Not applicable	0.04	0.04	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	NA
Size and no of RWH tank(s) and Quantity:	NA
Location of the RWH tank(s):	NA
Quantity of recharge pits:	NA
Size of recharge pits :	NA
Budgetary allocation (Capital cost) :	NA
Budgetary allocation (O & M cost) :	NA
Details of UGT tanks if any :	NA


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35.Storm water drainage	Natural water drainage pattern:	NA
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	NA
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	PLASTIC
	Disposal of the construction waste debris:	REUSED

Waste generation in the operation Phase:	Dry waste:	10KG/DAY
	Wet waste:	10KG/DAY
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	0
	Others if any:	0


Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Area requirement:	Location(s):	WADGAON KOLHATI , GUT NO. INDUSTRIAL AREA
	Area for the storage of waste & other material:	WORKING AREA ,INDUSTRIAL AREA WADGAON KOLHATI
	Area for machinery:	15*4 ft

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)
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1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	OIL	NA	200 Ltr.	250 Ltr.
41.Source of Fuel		supplier		
42.Mode of Transportation of fuel to site		safe tank		

43.Green Belt Development	Total RG area :	NA
	No of trees to be cut :	NA
	Number of trees to be planted :	5
	List of proposed native trees :	15
	Timeline for completion of plantation :	GREEN TREE HEALTH FOR FREE


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	NA	LIMB, VAD	20	FOR PURE FRESH AIR AND MAINTAIN WEATHER

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


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47. Energy

Power requirement:	Source of power supply :	MSCE
	During Construction Phase: (Demand Load)	20
	DG set as Power back-up during construction phase	15
	During Operation phase (Connected load):	15
	During Operation phase (Demand load):	15
	Transformer:	NA
	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:

PROPOSED TO USE SOLAR PANEL FOR ANS, LIGHTS, COMPUTER , AND ALWAYS OPEN MORE AREA FOR AIR HENCE NO NEED TO USE ELECTRICITY FOR CEILING FANS

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	10 %	NA

50. Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1000000
	O & M cost:	0


51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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


b) Operation Phase (with Break-up):

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


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51.Storage of chemicals (inflammable/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
Parking details:	Number and area of basement:	2
	Number and area of podia:	NA
	Total Parking area:	1500 Sq.ft
	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:	4
	Public Transport:	1
	Width of all Internal roads (m):	30 Ft.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	0
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA


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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
Brief information of the project by SEAC		
DECISION OF SEAC		
The proposal is deferred as PP remained absent for the meeting.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days		


SEAC-AGENDA-0000000031

SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject: Environment Clearance for Chichghat Lift Irrigation Scheme**

1.Name of Project	Chichghat Lift Irrigation Scheme at Near Village Sawangi Taluka Kuhl, District Nagpur Maharashtra
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 Project)
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 Kuhl, District Nagpur Maharashtra
9.Taluka	Kuhl
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.Area of the project	MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008
12.IOD/IOA/Concession/Plan Approval Number	MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008 IOD/IOA/Concession/Plan Approval Number: MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008 Approved Built-up Area:
13.Note on the initiated work (If applicable)	No any work has initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	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


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23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable where as required internal and main excess road shall be developed with sufficient width
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	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	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA


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

35.Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable


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Sewage and Waste water	Sewage generation in KLD:	Not applicable
	STP technology:	Not applicable
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable


36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Various construction sites would be properly leveled. The leveling of various construction sites shall be made mandatory for the contractor, involved in construction work. The details shall be covered in EIA Study.
	Disposal of the construction waste debris:	The spoil material will be stored or dumped properly in 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.
Waste generation in the operation Phase:	Dry waste:	Not applicable as this is a Lift irrigation Project. Small quantity of domestic waste shall be generated by operation staff.
	Wet waste:	Not Applicable
	Hazardous waste:	Contaminated soil near DG sets and fuel storage area shall be generate
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Adequate facilities for collection of domestic waste during operation phase shall be provided for safe disposal.
	Wet waste:	Not applicable
	Hazardous waste:	Contaminated soil shall be stored separately and will be managed as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and MPCB direction
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Adequate space will be provided for storage of waste so handling of the same become easy
	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 for the Solid Waste management is included in proposed Environmental Management Cost for the project
	O & M cost:	O & M Cost is also included in proposed Environmental Management Cost for the project



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37. Effluent Characteristics							
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated
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 Sets	Required fuel shall be provided	1	3.5 m	75 mm	165	
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		Required Vehicle shall be provided for transportation of fuel where as storage facility shall be provided					


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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 :	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place. All along the length of the inspection path shall be planted with avenue trees. Native fast growing tree species shall be provided. Avenue plantation can also considered for afforestation.
	List of proposed native trees :	Native fast growing plant species shall be planted as per suggestion by concerned forest department
	Timeline for completion of plantation :	Plantation will be done on regular basis and wherever required

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

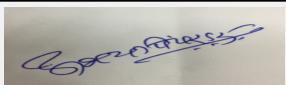
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal

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


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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
Emission from Construction activities, handling of construction material and excavated debris	Not applicable	Regular water sprinkling shall be done. Transportation of construction material by closed trucks. Disposal of excavated material at safe place so as to be used during construction work, refilling and leveling of low land area.

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)
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1	Water sprinkling & Green belt development	Water sprinkling at all internal location and emission prone area. Green belt development shall be continue with construction activities	Cost of the same shall be included after detailed assessment in EIA/EMP report
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Soil Conservation plan, Command area development plan, Green Belt development Plan, Biodiversity & Wild life conservation plan, Fisheries Development Plan, Muck management plan, Public Health Delivery plan, Sanitation & solid waste management plan, Restoration of site etc.	Soil Conservation plan, Command area development plan, Green Belt development Plan, Biodiversity & Wild life conservation plan, Fisheries Development Plan, Muck management plan, Public Health Delivery plan, Sanitation & solid waste management plan, Restoration of site etc.	EMP cost shall be detailed in EIA/EMP Report after detailed assessment	O & M cost shall also be detailed in EIA/EMP Report after detailed assessment

51.Storage of chemicals (inflammable/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:	pproach and internal road shall be developed for proper transportation of construction material during construction period. It shall be ensured to maintain existing road for transportation of material. Proper traffic arrangement shall be ensured to avoid the unwanted accidents during transportation.
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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:	Public Transport facility are available at approachable distance at Khampatee area at Mauda area
	Width of all Internal roads (m):	Required width shall be provided as per recommendation
	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 available
	Category as per schedule of EIA Notification sheet	1(c), namely "River Valley Projects"
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-08-2017
Brief information of the project by SEAC		


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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 and Nag River near village Sawangi in Kuhi Tehsil of Nagpur District.

PP has obtained forest clearance from competent authority.

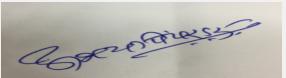
Scheme envisages construction of pump house to lift 15.495 Mm³ of water annually from Kanhan River to irrigate CCA of 4495 Ha. It also includes following work,

1. Construction of approach channel 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 total 12714 nos. 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 could not submit the EIA/EMP report and other documents for appraisal hence the TOR was expired and now PP submitted a fresh application for the grant of TOR.

DECISION OF SEAC


**Abhay Pimparkar (Secretary
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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 carry out Public Consultation as per the procedure prescribed in the EIA Notification, 2006.

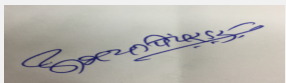
PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

Specific Conditions by SEAC:

- 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 Clause 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.

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.



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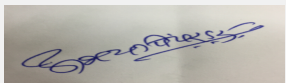
**Signature: Dr. Umakant Dangat
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)**

SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject: Environment Clearance for Chichghat Lift Irrigation Scheme**

1.Name of Project	Chichghat Lift Irrigation Scheme at Near Village Sawangi Taluka Kuhu, District Nagpur Maharashtra
2.Type of institution	Government
3.Name of Project Proponent	M/s. 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 Project)
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 Kuhu, District Nagpur Maharashtra
9.Taluka	Kuhu
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.Area of the project	MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008
12.IOD/IOA/Concession/Plan Approval Number	MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008 IOD/IOA/Concession/Plan Approval Number: MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008 Approved Built-up Area: 4495
13.Note on the initiated work (If applicable)	No any work has initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MWRRRA Approval (MWRRRA/2008/PRCL/VIDC/Chichghat/1224) dated 25th March, 2008
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 4495
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



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23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable where as required internal and main excess road shall be developed with sufficient width
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	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	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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

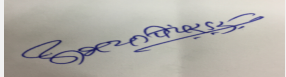
Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA


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

35.Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable


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Sewage and Waste water	Sewage generation in KLD:	Not applicable
	STP technology:	Not applicable
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable


36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Various construction sites would be properly leveled. The leveling of various construction sites shall be made mandatory for the contractor, involved in construction work. The details shall be covered in EIA Study.
	Disposal of the construction waste debris:	The spoil material will be stored or dumped properly in 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.
Waste generation in the operation Phase:	Dry waste:	Not applicable as this is a Lift irrigation Project. Small quantity of domestic waste shall be generated by operation staff.
	Wet waste:	Not Applicable
	Hazardous waste:	Contaminated soil near DG sets and fuel storage area shall be generate
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Adequate facilities for collection of domestic waste during operation phase shall be provided for safe disposal.
	Wet waste:	Not applicable
	Hazardous waste:	Contaminated soil shall be stored separately and will be managed as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and MPCB direction
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Adequate space will be provided for storage of waste so handling of the same will become easy
	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 for the Solid Waste management is included in proposed Environmental Management Cost for the project
	O & M cost:	O & M Cost is also included in proposed Environmental Management Cost for the project



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37. Effluent Characteristics							
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated	No hazardous waste will be generated
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 Sets	Required fuel shall be provided	1	3.5 m	75 mm	165	
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		Required Vehicle shall be provided for transportation of fuel where as storage facility shall be provided					


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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 :	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place. All along the length of the inspection path shall be planted with avenue trees. Native fast growing tree species shall be provided. Avenue plantation can also considered for afforestation.
	List of proposed native trees :	Native fast growing plant species shall be planted as per suggestion by concerned forest department
	Timeline for completion of plantation :	Plantation will be done on regular basis and wherever required

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

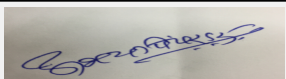
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal	Proper plantation including Tree, Shrubs and small plants shall be planted at every available place and along with both the side of canal

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


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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

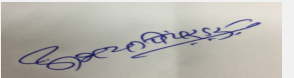
Source	Existing pollution control system	Proposed to be installed
Emission from Construction activities, handling of construction material and excavated debris	Not applicable	Regular water sprinkling shall be done. Transportation of construction material by closed trucks. Disposal of excavated material at safe place so as to be used during construction work, refilling and leveling of low land area.

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)
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1	Water sprinkling & Green belt development	Water sprinkling at all internal location and emission prone area. Green belt development shall be continue with construction activities	Cost of the same shall be included after detailed assessment in EIA/EMP report
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Soil Conservation plan, Command area development plan, Green Belt development Plan, Biodiversity & Wild life conservation plan, Fisheries Development Plan, Muck management plan, Public Health Delivery plan, Sanitation & solid waste management plan, Restoration of site etc.	Soil Conservation plan, Command area development plan, Green Belt development Plan, Biodiversity & Wild life conservation plan, Fisheries Development Plan, Muck management plan, Public Health Delivery plan, Sanitation & solid waste management plan, Restoration of site etc.	EMP cost shall be detailed in EIA/EMP Report after detailed assessment	O & M cost shall also be detailed in EIA/EMP Report after detailed assessment

51.Storage of chemicals (inflammable/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:	pproach and internal road shall be developed for proper transportation of construction material during construction period. It shall be ensured to maintain existing road for transportation of material. Proper traffic arrangement shall be ensured to avoid the unwanted accidents during transportation.
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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:	Public Transport facility are available at approachable distance at Khamptee area at Mauda area
	Width of all Internal roads (m):	Required width shall be provided as per recommendation
	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 available
	Category as per schedule of EIA Notification sheet	1(c), namely "River Valley Projects" as per EIA Notification 2006
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-08-2017
Brief information of the project by SEAC		
DECISION OF SEAC		


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During deliberations PP informed that they have wrongly uploaded two application for the same project and requested to delist this application.


On PP's request SEAC-1 decided to delist the application.

Specific Conditions by SEAC:

FINAL RECOMMENDATION


Kindly find SEAC decision above.

SEAC-AGENDA-00000000031


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SEAC-I)**

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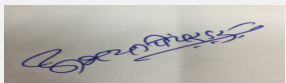
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SEAC-1**SEAC Meeting number: 142 nd Meeting of SEAC -1 Meeting Date September 13, 2017****Subject:** Environment Clearance for Construction of 2 X 900 MT LPG Mounded Storage Vessels and 1 x 60 Station Flexi carousel of 25000 MT/M bottling capacity by Bharat Petroleum Corporation Limited at Sanaswadi, Shirur, Pune.

1.Name of Project	Construction of 2 X 900 MT LPG Mounded Storage Vessels and 1 x 60 Station Flexi carousel of 25000 MT/M bottling capacity by Bharat Petroleum Corporation Limited at Sanaswadi, Shirur, Pune.
2.Type of institution	Semi Government
3.Name of Project Proponent	Bharat Petroleum Corporation Limited , Pune LPG Bottling Plant.
4.Name of Consultant	ABC Techno Labs India Private Limited, A-355, Third Floor, Balaji Bhavan, Plot No. 42A, Sector 11, CBD Belapur, Navi Mumbai - 400614. Tel.: 02227580044, Mobile no. : 8422068888, Email ID: chaitanyasathe@abctechnolab.com
5.Type of project	Storage/Filling of LPG
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable (The existing LPG Bottling facility was established prior to EIA Notification 2006).
8.Location of the project	Plot No. 1069/70/71/72/73
9.Taluka	Shirur
10.Village	Sanaswadi
11.Area of the project	Not applicable
12.IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work will be initiated without obtaining Environmental Clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	750000000

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		



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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	7 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	(i) 2100 MT (3x 300 MT + 2x 600 MT) Mounded Storage Vessel; (ii) 2x 24 Station Carousel for LPG cylinder filling = 15000 MT/M Bottling 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	Project activity consist of receipt/ storage/ filling/ dispatch of LPG Cylinders	(i) 2100 MT of storage capacity; (ii) 180000 MT/ Y	(i) 1800 MT of storage capacity ; (ii) 120000 MT/ Y	(i) 3900 MT of Storage capacity; (ii) 300000 MT/Y


32.Total Water Requirement

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


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


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	8	0	8	2	0	2	6	0	6
Industrial Process	5	0	5	1	0	1	4	0	4
Gardening	1	0	1	1	0	1	0	0	0
Fresh water requirement	8 (Make-up water for fire fighting storage tank)	0	8 (Make-up water for fire fighting storage tank)	8 (Make-up water for fire fighting storage tank)	0	8 (Make-up water for fire fighting storage tank)	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15 m
	Size and no of RWH tank(s) and Quantity:	20x 20
	Location of the RWH tank(s):	Within the plant premises
	Quantity of recharge pits:	Existing bore well will be used to recharge ground water.
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	20,000
	Budgetary allocation (O & M cost) :	5,000
	Details of UGT tanks if any :	15 kl Under Ground Tank for storage of service water.

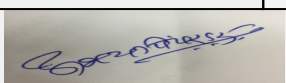
35.Storm water drainage	Natural water drainage pattern:	The storm water will have a natural flow.
	Quantity of storm water:	-
	Size of SWD:	300 mm x 300 mm

Sewage and Waste water	Sewage generation in KLD:	6
	STP technology:	Septic tank and soak pits are provided
	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:	The solid waste generation on the proposed site will be due to the various construction materials like cement, brick, steel, sand stone, paint and varnishes.
	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works and metal scraps will be sold to registered scrap dealers as per corporation procedure.

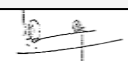
Waste generation in the operation Phase:	Dry waste:	9.6 kg/day
	Wet waste:	14.4 kg/day
	Hazardous waste:	(i) Spent oil from D.G.Set: 10 litres/ annum; (ii) Grease and Cotton waste: 25 litres/ annum; (iii) Tank sludge from cleaning of bullets: 500 litres/ 5 years
	Biomedical waste (If applicable):	Not application
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	(i) Oily Sludge: 1 KL/Y; (ii) Scrap cylinder: 100/m



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Mode of Disposal of waste:	Dry waste:	Will be handed over to local body.
	Wet waste:	Will be converted into compost and used as manure for green belt development.
	Hazardous waste:	Will be stored in MS drums and sent to authorised pre-processors. The tank bottom sludge shall be handed over to common incineration facility or to the agency approved by Pollution Control Board.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Will be handed over to authorised vendor.
Area requirement:	Location(s):	Within the plant premises.
	Area for the storage of waste & other material:	10 m ²
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	50,000
	O & M cost:	30,000

37. Effluent Characteristics


Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	COD	mg/L	160	0	250
2	BOD	mg/L	56	0	100
3	TSS	mg/L	0.138	0	100
4	pH	-	9	7.5	7.3-7.7
5	TDS	mg/L	800	310	-
Amount of effluent generation (CMD):		4			
Capacity of the ETP:		4			
Amount of treated effluent recycled :		1			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Standard ETP of make approved by MPCB is being used.			
Disposal of the ETP sludge		Handed over to MPCB authorised party.			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	Litres/annum	10	0	10	To authorised vendor

39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	D.G. Set	HSD: 0.068 KL	2	8	0.15	70 C
2	FW Engine	Diesel	2	8	0.15	70 C


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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0.034 KL	0.034 KL	0.068 KL
41.Source of Fuel		From petroleum retail outlets.		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	Total RG area :	40468 m2
	No of trees to be cut :	No trees will be cut.
	Number of trees to be planted :	100
	List of proposed native trees :	Azardirachta indica, Bauhinia purpurea, Cassia fistula, Ficus religiosa, Langerstroemia flosreginae, Mangifera Indica, Michelia champaca, Millingtonia hortensis, Plumeria alba, Plumeria rubra, Putranjivarox burghii , Saraca asoca, Tabebuia rosea
	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	Azardirachta indica	Neem	10	Native, Medicinal value, controls soil erosion, Evergreen.
2	Bauhinia purpurea	Raktachandan	5	Fragrant flowers and leaves, evergreen tree
3	Cassia fistula	Bahaya	5	Medicinal value, Drought tolerant species, ornamental, flowering plant
4	Ficus religiosa	Peepal	10	Medicinal plant, antibacterial, anti fungal, very sacred tree, Shade giving
5	Langerstroemia flosreginae	Tamhan	6	Creates shade, attracts birds/butterflies/bees, good for screening
6	Mangifera Indica	Mango	6	Fruit plant, fragrant flowers or leaves, attracts birds/butterflies/bees
7	Michelia champaca	Son chafa	10	Fragrant flowers or leaves, attracts birds/butterflies/bees, evergreen tree
8	Millingtonia hortensis	Jasmine Tree	10	Fragrant flowers or leaves, plant for pooja, evergreen tree
9	Plumeria alba	Dev chafa	10	Flowering, Fast Growing, Hardy, Ornamental form
10	Plumeria rubra	Frangipani, Red Plumeria	10	Flowering, Medicinal value, Fast Growing, Hardy, Ornamental
11	Putranjivarox burghii	Jivanputra, Patravanti	5	Medicinal value, ornamental, Pollution resistant plant
12	Saraca asoca	Sita Ashok, Jasundi	8	Indigenous, Pollution resistant, gives shade

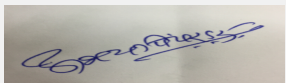

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13	Tabebuia rosea	Basant rani	5	Flowering, Shade giving, Drought Tolerant
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	-	-	-	
47.Energy				
Power requirement:	Source of power supply :	MSEDCL		
	During Construction Phase: (Demand Load)	40 KVA		
	DG set as Power back-up during construction phase	3x 350 KVA		
	During Operation phase (Connected load):	450 MW		
	During Operation phase (Demand load):	600 KVA		
	Transformer:	1000 KVA		
	DG set as Power back-up during operation phase:	3x 250 KVA and 830 KVA		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	None present		
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		
Not applicable	Not applicable	Not applicable		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20,00,000		
	O & M cost:	10,00,000		
51.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	


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1	Water for dust suppression	Dust control	0.75
2	Site sanitation, Safety and Disinfection	Workers health	3
3	Environmental Monitoring	Air, water, noise, soil sampling and testing	0.5
4	Health Check-up	Routine health check-up for workers	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	-	1	0.5
2	Water pollution control	-	6	2
3	Occupational health	Routine health check-up for workers	0.5	1
4	Green belt development	Tree plantation and green area development	2	1
5	Solid waste management	-	0.5	0.2
6	Environmental monitoring and management	Air, water, noise, soil sampling and testing	0.5	0.3

51.Storage of chemicals (inflammable/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
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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	250 m ²
	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):	3.5
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10 km radius from the project site
	Category as per schedule of EIA Notification sheet	6 (b) Isolated storage and handling of hazardous chemicals
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-03-2017

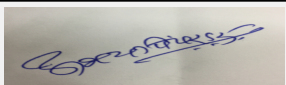
Brief information of the project by SEAC

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

The proposal is for construction of 2x900 MT LPG mounded storage vessels and 1x60 station flexi carousel of 25000 MT/M capacity.

Public Hearing is applicable under the provisions of the EIA Notification, 2006


DECISION OF SEAC



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

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


Specific Conditions by SEAC:

- 1) PP to submit layout plan showing 33% green belt, adequate internal road width and turning radius required for heavy vehicles, location of emergency equipment, sewage treatment plant, parking areas etc.
- 2) PP to submit details of proposed sewage treatment facility.
- 3) PP to submit copies of Disaster Management Plan duly submitted to the district authority.
- 4) PP to include details of water availability for handling emergency fire and explosion situations and water balance in the EIA report
- 5) PP to submit copies of HAZOP and QRA studies along with suggestions and mitigation measures for proposed activities.

FINAL RECOMMENDATION


The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

SEAC-AGENDA-0000000031


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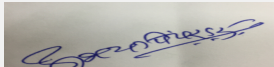
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Subject: Environment Clearance for Common Municipal Solid Waste Management Facility (CMSWMF) at Manda, Titwala- West in Kalyan, Dist. Thane, Maharashtra.

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.Area of the project	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.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
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

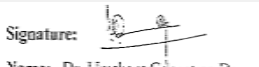
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Compost Plant	Not applicable	Not applicable



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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				



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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)			
	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	



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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


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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 Characteristics

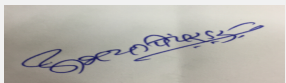
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	0	6-8	7.2	5.5 - 9.0
2	Dissolved Solids	Mg/l	3500	2000	2100
3	Chemical Oxygen Demand	Mg/l	1700	NA	250
4	Bio Chemical Oxygen Demand	Mg/l	800	100	100
5	Oil and Grease	Mg/l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


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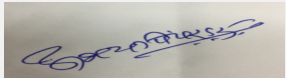
40.Details of Fuel to be used

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	Chattiyam	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	Sisoo	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


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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


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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							



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	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
Brief information of the project by SEAC		


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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.

During deliberation PP informed that the total land for the project is having 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

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

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

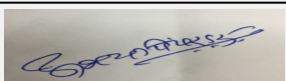
PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

Specific Conditions by SEAC:

- 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.

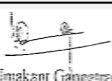
FINAL RECOMMENDATION

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.


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