159th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 159th (A) - Day-2 Meeting Date February 2, 2019

Subject: Environment Clearance for Environmental Clearance for proposed production capacity enhancement of Adima Oganics (I) Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Adima Organics (I) Pvt. Ltd.					
2.Type of institution	Private					
3.Name of Project Proponent	Mr. Sandeep Dattatraya Deshmukh					
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.					
5.Type of project	Expansion of Fine & Specialty Chemicals manufacturing unit , Schedule 5(f), Category B-1 under EIA Notification 2006					
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in exisiing project					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No, since not applicable					
8.Location of the project	Plot No. 103 & 104, Phase-IV, STICE, Musalgaon, Taluka - Sinnar, District- Nashik					
9.Taluka	Sinnar					
10.Village	Musalgaon					
Correspondence Name:	Mr. Sandeep Dattatraya Deshmukh					
Room Number:	178/A					
Floor:						
Building Name:						
Road/Street Name:	Mahatma Nagar					
Locality:	Nasik					
City:	Nasik					
11.Area of the project	Notified STICE (Sinnar Taluka Industrial Co-operative Estate)					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number:					
	Approved Built-up Area: 1558.90					
13.Note on the initiated work (If applicable)	Currently operational manufacturing unit					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)						
15.Total Plot Area (sq. m.)	4064.09 sq. m.					
16.Deductions	Not applicable					
17.Net Plot area	Not applicable					
	a) FSI area (sq. m.): Not applicable					
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): Not applicable					
	c) Total BUA area (sq. m.): 1588.90					
10 (I) A	Approved FSI area (sq. m.): Not applicable					
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): Not applicable					
	Date of Approval: 19-06-2000					
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	5600000.00					

22.Number of buildings & its configuration



Serial number	Building Name & number			Nu	mber of floors	Height of the building (Mtrs)			
1	1	Not applicable	;	Ν	Not applicable				
2	1	Not applicable	;	Ν	lot applicable	Not applicable			
3	1	Not applicable	•	Ν	lot applicable	Not applicable			
4	1	Not applicable	;	Ν	lot applicable	Not applicable			
5	1	Not applicable	;	Ν	lot applicable	Not applicable			
6	1	Not applicable	;	Ν	lot applicable	Not applicable			
7	1	Not applicable		Ν	lot applicable	Not applicable			
8	1	Not applicable	•	Ν	lot applicable	Not applicable			
9	1	Not applicable	•	Ν	lot applicable	Not applicable			
10	1	Not applicable	;	Ν	lot applicable	Not applicable			
11	1	Not applicable	;	Ν	lot applicable	Not applicable			
12	ľ	Not applicable	;	Ν	lot applicable	Not applicable			
13	1	Not applicable	;	Ν	lot applicable	Not applicable			
14	R	Not applicabl	e	Ν	lot applicable	Not applicable			
15	1	Not applicable	;	Ν	lot applicable	Not applicable			
23.Number tenants an	r of d shops	Not applicat	le						
24.Number expected r users	r of esidents /	Not applicat	le						
25.Tenant per hectar	ant density ctare Not applicable								
26.Height building(s	of the)	the							
27.Right o (Width of t from the n station to proposed l	f way the road earest fire the ouilding(s)	9							
28.Turning for easy ac fire tender movement around the excluding for the pla	y radius ccess of from all building the width ntation	9 m							
29.Existing	J (s) if any	Manufacturi	ng plant & ass	ociated in	frastructure are prese	nt on project plot			
30.Details demolition disposal (I applicable	30.Details of the demolition with disposal (If applicable) Not applicable								
	31.Production Details								
Serial Number	Pro	duct	Existing (N	AT/M)	Proposed (MT/M)	Total (MT/M)			
1	N PROPYL	BROMIDE	5.0		95.0	100.0			
2	N BUTYL	BROMIDE	20.0		130.0	150.0			
3	N HEXYL	BROMIDE	10.0		190.0	200.0			

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 2 of	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	102	(Chairman SEAC-I)

4	3-CHLORO CHLO	PROPIONYL DRIDE	2	2.0	Production will be stopped				
5	3-PICOTYL HYDROC	CHLORIDE HLORIDE	2	2.0	Production will be stopped				
6	Alpha Bron Phenyl A	no 2-Chloro cetic Acid			10.0	10.0			
7	Methyl Alpl Chloro Phe	ha Bromo 2- enyl Acetate			10.0	10.0			
8	1,4-DII BUT	BROMO TANE			10.0	10.0			
9	TRIE PHOSPHON	THYL NOACETATE			20.0	20.0			
10	Bromoace Dimethy	etaldehyde yl Aectal			20.0	20.0			
11	DECYL E	BROMIDE			10.0	10.0			
12	Pthalazino	one Stage 1			2.0	2.0			
13	Glyc	ocuril			20.0	20.0			
14	2,3-Diox	ko Indole			20.0	20.0			
15	Sulphurio proc	c acid (By- duct)			123.21	123.21			
16	Hydrobrom proc	bromic acid (By- product)			12.0	12.0			
17	Methyl ac proc	Methyl acetate (By- product)			16.74	16.74			
18	Calcium solution (E	bromide 3y-product)			18.63	18.63			
19	Phsophori proc	ic acid (By- duct)			0.10	0.10			
	-	3	2.Tota	l Wate	r Requiremen	t			
		Source of v	vater	Not applica	ble				
		Fresh wate	r (CMD):	Not applica	ble				
		Recycled w Flushing (0	ater - CMD):	Not applica	ot applicable				
Recycled Gardening		Recycled w Gardening	ater - (CMD): Not applica		able				
Swimming make up (C		pool Cum):	Not applica	ble					
Dry season:		Total Wate Requireme :	Total Water Requirement (CMD) :		Not applicable				
		Fire fightin Undergrou tank(CMD)	ng - nd water :	Not applicable					
		Fire fightin Overhead v tank(CMD)	ng - vater :	Not applicable					
Excess tr		Excess trea	ted water	Not applica	ble				



		So	urce of wat	er	Not applicable	е					
		Fre	esh water (CMD):	Not applicable	e					
Recycled water - Flushing (CMD):			Not applicable	е							
		Re Ga	cycled wate rdening (C	er - MD):	Not applicable	е					
		Sw ma	imming po ke up (Cur	ol n):	Not applicable	е					
Wet seaso	n:	Tot Re :	tal Water quirement	(CMD)	Not applicable	e					
		Fir Un tan	e fighting derground k(CMD):	water	Not applicable	e					
		Fir Ove tan	e fighting erhead wat k(CMD):	er	Not applicable	e			20		
		Exe	cess treate	d water	Not applicable	е					
Details of pool (If an	Swimming y)	Not	t applicable								
33.Details of Total water consumed											
Particula rs	Cons	ump	otion (CMD)	Loss	Loss (CMD)			Effluent (CMD)		
Water Require ment	Existing	ſ	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	0.6		1.9	2.5	0.2		0.2	0.4	1.9	2.3	
Industrial Process	0.2		16.8	17.0		0.47	0.47	0.2	16.33	16.53	
Cooling tower & thermopa ck	3.2		14.0	17.2	1.9	9.36	11.26		2.84	2.84 (3.1 Boile condensate recovery)	
Gardening	1.1 (Recycl	ed)	5.6	6.7	1.1 (Recycled)	5.6	6.7				
				Y						-	
		Lev wa	vel of the G ter table:	round	18.36 m bgl (1	Pre monsoor	1)				
		Siz tan Qu	e and no o ik(s) and antity:	f RWH	1 m x 2 m x 1	1 m x 2 m x 1 m = 2 m3, 1 No. Tank of 2 m3 capacity					
	SY	Loo tan	cation of th k(s):	ne RWH							
34.Rain V Harvestii	Water ng	Qu pit	antity of re s:	echarge							
(RWH) Size of recharge pits :											
		Bu (Ca	dgetary all apital cost)	ocation :	Rs. 2,00,000/-						
		Bu (O	dgetary all & M cost)	ocation :	Rs. 75,000/-						
		De if a	tails of UG ny :	Γ tanks	 Fire fightin Day to day 	g water stor usage water	rage tar r storag	nk of 100 K te tank of 2	L capacity 5 KL capaci	ty	
					•						

1 - Contraster			Signature:
CC67			Name: Dr. Umakant Gangatrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 4 of	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	102	(Chairman SEAC-I)
SEAC-I)	Date: February 2, 2019	102	(Chairman SEAC-I)

	Natural water drainage pattern:	
drainage	Quantity of storm water:	1.02 m3/hr.
	Size of SWD:	Width = 0.6 m , Depth = 0.762 m & Length = 265.1 m
	Sewage generation in KLD:	2.3
	STP technology:	Domestic Sewage will be treated in aeration tank of ETP
Sowage and	Capacity of STP (CMD):	-
Waste water	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	-
	Budgetary allocation (O & M cost):	-
	36.Soli	d waste Management
Waste generation in	Waste generation:	-
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	-
	Dry waste:	-
	Wet waste:	-
Waste generation	Hazardous waste:	Spent Solvent - 10.5 T/M, Distillation Residue - 1.1 T/M, Discarded Containers - 300 Nos./Month, ETP Sludge - 3.025 T/M, MEE Residue - 218.4 T/A
Phase:	Biomedical waste (If applicable):	
	STP Sludge (Dry sludge):	
	Others if any:	
	Dry waste:	
	Wet waste:	
Mode of Disposal	Hazardous waste:	Spent Solvent, Distillation Residue, ETP Sludge & MEE Residue to CHWTSDF and Discarded Containers - Sale to authorized recyclers
of waste:	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	-
	Others if any:	
	Location(s):	
Area requirement:	Area for the storage of waste & other material:	Hazardous waste storage area - 10 sq.m.
	Area for machinery:	
Budgetary allocation	Capital cost:	
O&M cost):	O & M cost:	

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C466			Name: Dr. Umakant Gångatrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 5 of	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	102	(Chairman SEAC-I)

	37.Effluent Charecterestics								
Serial Number	Parameters	Unit	Inlet E Charect	Effluent terestics	Outlet Effluent Charecterestics		Effluent discharge standards (MPCB)		
1	pH		4	.0	8	.0	6-8.5		
2	TDS	mg/l	210	0.0	190	0.0	2100.0		
3	BOD	mg/l	300	0.0	9	0	100.0		
4	COD	mg/l	600	0.0	24	0.0	250.0		
5	0 & G	mg/l	2	.5	1	.2	10.0		
Amount of e (CMD):	effluent generation	21.67							
Capacity of	the ETP:	ETP of 25 C capacity	MD capacity	y, Stripper M	IEE of 12 CM	1D capacity 8	& R.O of 25 CMD		
Amount of t recycled :	rreated effluent	18.5 CMD &	à 3.1 CMD B	Boiler conden	isate recover	У	0		
Amount of v	water send to the CETP:								
Membershi	p of CETP (if require):								
Note on ETP technology to be used The HCOD-HTDS effluent from manufacturing process will be sent to Stripper MI & LCOD-LTDS effluent will be sent to conventional ETP, MEE condensate along will be sent to aeration tank of secondary treatment which will be further sent to R.O system along with boiler & cooling tower blow downs, R.O rej will be subjected to MEE & R.O permeate will be reused thus the project will be Zero Liquid Discharge activity.							e sent to Stripper MEE E condensate along with reatment which will be blow downs, R.O reject s the project will be		
Disposal of the ETP sludge ETP slude will be disposed to CHWTSDF									
38.Hazardous Waste Details									
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Spent solvent	20.2	T/M	0.05	10	10.05	CHWTSDF		
2	Distillation Residue	20.3	T/M	0.1	1.0	1.1	CHWTSDF		
3	ETP Sludge	35.3	T/M	0.025	3.0	3.025	CHWTSDF		
4	MEE Residue	37.3	T/A		218.4	218.4	CHWTSDF		
5	Discarded Comtainers	33.1	Nos./M	100.0	200.0	300.0	Sale To Authorized Dealers /CHWTSDF		
		39.St	acks em	ission D	etails				
Serial Number	Section & units	Fuel Us Quar	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases		
1	Common stack attached to 2 boilers of 1.1 TPH	Furnace Oil - 580 l/day		1	30.0	0.45	134 0C		
2	D.G of 63 kVA	Diesel - 500 l/month (D.G set will be operated only during power failure)		2	3.0	0.42	174 OC		
3	2 Stage alkaline scrubber attached to process reactors			3	10.0 (Above roof)				
	2 Stage alkaline				10.0				

agaomes			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 6 of	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	102	(Chairman SEAC-I)

5	Alkaline attached t storag	scrubber to Bromine ge tank				5	7.0 (Above tank)			
40.Details of Fuel to be used										
Serial Number	Тур	oe of Fuel			Existing	J	Prop	osed	Total	
1	Fu	rnace Oil			250 l/da	у	330	l/day	580 l/day	
2		Diesel			200 l/mon	th	300 1/	month	500 l/month	
41.Source of	of Fuel			Furna Diese	ace Oil - D.M. el - Sourced f	I.K Petro Tr from local v	aders & Carri endor	ers Pvt. Ltd.	, Navi Mumbai and	
42.Mode of	Transportat	ion of fuel to	site	Tank	er by Road					
		Total RG a	rea :		1341.00					
		No of trees	s to be	e cut						
		Number of be planted	f trees	to	166					
43.Green Belt Development List of propose native trees :					Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleichera oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Trema orientalis, Pongamia pinnata, Neolamarckia cadamba, Pterospermum acerifolium, Dalbergia sissoo & Millingtonia hortensis					
		Timeline for completion plantation	or 1 of :		1 year after	r grant of E	c			
	44.Nu	mber and	l list	of t	rees spe	cies to k	oe planteo	l in the g	ground	
Serial Number	Name of	the plant	Co	ommo	n Name	Qua	antity	Characte	eristics & ecological importance	
1	1 Cassia fistula		Bahava		Native tr tracts of Distirct ha attractin butt	ee of forest of Nashik wing flowers g bees and erflies		7		
2	2 Bombax ceiba			Sawar		A native tree wit flowers large num & in	deciduous h fragrant attracting 7 iber of birds nsects		7	
3 Asltonia shcolaris		Saptaparni		A native tree wit flowers having co higher dr	evergreen h fragrant & leaves mparatively ust settling idex	7				
4	Macaran	Macaranga peltata Ch		Chandwar		A native t abundanc plains Dis	ive tree found in dance across the ains of Nahik District		7	
5	Schleiche	era oleosa		Kus	sum	A native trees of for Nashil	deciduous rest tracts of c District		7	

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 7 of	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	102	(Chairman SEAC-I)

6	Microcos paniculata	Shirali	A native evergreen medium sized tree of forest tracts of Nashik District	7
7	Terminalia elliptica	Ain	A native evergreen tree of forest tracts of Nashik District	7
8	Terminalia paniculata	Kindal	A native deciduous tree of forest tracts of Nashik District	7
9	Terminalia bellirica	Baheda	A native deciduous tree of forest tracts of Nashik District	7
10	Cordia dichotoma	Shelu	A native deciduous tree of forest tracts of Nashi District attracting large number of insects	S ⁷
11	Helicteres isora	Murudsheng	A native deciduous medium sized tree of forest tracts of Nashik District visited by large number of birds	7
12	Holoptelea integrifolia	Ainsadada	A native deciduous tree of forest tracts of Nashik District	7
13	Butea monosperma	Palash	A native brilliantly flowering tree abundant the Nashik District visited by large number of birds	7
14	Oroxylum indicum	Tetu	A native ornamental tree	7
15	Erythrina suberosa	Pangara	A native deciduous medium sized tree of forest tracts of Nashik Distirct visited by large number of birds	7
16	Azadirachta indica	Kadulimb	A native evergreen tree capable of surviving in comparatively polluted environs	7
17	Trema orientalis	Ghol	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index	7
18	Pongamia pinnata	Karanj	A native deciduous tree well suited to intense heat and sunlight and drought tolerant	7
19	Neolamarckia cadamba	Kadamba	A native evergreen tree with tremendous blooms attracting large number of insects	7
				1

		Signature:
		Name: Dr. Umakant Gangatrao Dangat
C Meeting No: 159th (A) - Day-2 Meeting	Page 8 of	Dr. Umakant Dangat
Date: February 2, 2019	102	(Chairman SEAC-I)
1	AC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	AC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 102

20	Pteros acerii	erospermum Karn .cerifolium		A native evergreen tree with large & hain leaves having comparatively high dust settling index generally used for ornamental plantatio		evergreen rge & hairy having ively high ing index v used for l plantation	7
21	Dalberg	ia sissoo	Shis	ham	A native of tree attrac number of	evergreen cting large of insects	7
22	Millingtoni	a hortensis	Kaval	nimb	A native fa flowering tr ornamenta	st growing ree used for l plantation	19
45	5.Total qua	ntity of plants o	n grou	nd			
46.Num	nber and	list of shru	os an	d bushes	s species	to be pla	anted in the podium RG:
Serial Number		Name		C/C Dista	ince		Area m2
1							
	47.Energy						
		Source of powe supply :	r	MSEDCL			5
		During Construction Phase: (Demand Load)		-			
		DG set as Power back-up during construction phase					
Dor		During Operati phase (Connec load):	on ted	600 kW			
require	ement:	During Operati phase (Demano load):	ration and 750 kVA				
		Transformer:	~	Existing 25	0 kVA		
		DG set as Power back-up during operation phase:		63 kVA			
		Fuel used:		Diesel			
Details of high tension line passing through the plot if any:							
48.Energy saving by non-conventional method:							
Energy con	servation wi	ll be achieved by	nstallir	ng solar light	s within pro	ject premises	S
	49.Detail calculations & % of saving:						
Serial Number	E	nergy Conservat	tion M	easures	easures Saving %		
1		Solar li	ghts				14
		50.De	tails	of pollut	ion cont	rol Syste	ms
Source		Existing pollution control system				Pro	oposed to be installed

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 9 of	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	102	(Chairman SEAC-I)

1.1 TPH Steam boile	er	Stac									
1.1 TPH Steam boile	er					Existing common stack of 30 m height for both steam boilers			eight for both steam		
Manufacturi process	ing 2 stage	2 stage alkaline scrubber with stack of 10 m above roof			height						
Bromine storage tan	Alkal	ine scrubber	with stack of storage tank	7 m height a	above						
Manufacturi process	ing					2 stage alkaline scrubber with stack of 10 m height above roof			ack of 10 m height		
Manufacturi process	ing					2 stage a	lkaline s	scrubh ab	er with st ove roof	ack of 10 m height	
D.G		S	Stack of 3.0 m	1							
Budgetary	allocation	Capital co	st:	1,68,000.00)				4	\wedge	
(Capital O&M	cost and cost):	O & M cos	t:	40,000.00							
51	.Envir	onment	tal Mar	nageme	ent p	lan Bı	ıdge	tar	y Allo	ocation	
		a)	Construc	c <mark>tion ph</mark> a	ase (w	ith Brea	ak-up):			
Serial Number	Attri	butes	Para	meter		Total (Cost pe	r ann	um (Rs. 1	In Lacs)	
1			-	-							
	b) Operation Phase (with Break-up):										
Serial Number	Comp	onent	Descr	iption	Capit	al cost Rs Lacs	. In	Oper	ational a cost (Rs	nd Maintenance . in Lacs/yr)	
1	Air Polluti	Air Pollution Control		stallation of 2 nos. wo stage alkaline ubbers for process reactors		12.0				0.6	
2	Water I Cor	Water Pollution Control		lation of ETP to 25 acity along ollation of MEE of 12 city & RO of capacity		1.55			:	25.0	
3	Occupatio	Occupational Health		cional Health cional Health			3.5				0.8
4	No	Noise		Installation of anti- vibration pads, & Construction of enclosures for D.G & Boilers		2.5					
5	Solid Manag	Solid Waste s Management		Purchase of additional containers/bags for storage of solid waste, concrete paving of hazardous waste storage area		1.5				0.3	
6	Gree	n Belt	Green develop mainte	n belt oment & enance		1.6478.00			1.87	7146.00	
Abhay Pimparkar (Secretary SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 Date: February 2, 2019											

7	Rain Wat	er Harvestii	Rain water harvest tank of 2 m3 & sett up of RWH system	ing ing n	2.0		0.75		
8	Energy o	conservation	Installation of sola lighting within proj premises	ar ect	1.68		0.4		
9	Envi Mon Man	ronment itoring & agement	Monitoring of vario environmental parameters	ous			15.4	0	
51.S	torag	e of ch	emicals (infl	amabl	e/expl	osive/ha	zardou	s/toxic	
	substances)								
Descri	ption	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in	Consumption / Month in MT	Source of Supply	Means of transportation	
Liquid B	romine	Liquid	Tanks	250	200	413.33	Local &	Road	
n Buta	anol	Liquid	Tanks	75	60	148	Loacl & Imported	Road	
n Prop	anol	Liquid	Tanks	75	60	53.33	Local & Imported	Road	
n Hex	anol	Liquid	Tanks	75	60	135.41	Imported	Road	
Tetrahyd	rofuran	Liquid	Drums	12	10	3.7	Local & Imported	Road	
n Dec	anol	Liquid	Tanks	25	20	7.83	Imported	Road	
o-Chlorophe Aci	enyl Acetic d	Solid	Bags	25	20	7.7	Imported	Road	
Metha	anol	Liquid	Tanks	25	20	4.16	Loacl	Road	
Sulpl	hur	Solid	Bags	20	15	23.33	Local	Road	
Glyo	xal	Liquid	Drums	120	100	21	Local & Imported	Road	
Ure	ea	Solid	Bags	120	100	16.66	Local	Road	
Vinyl Ac	cetate	Liquid	Drums	25	20	14	Local	Road	
Triethyl P	hosphite	Liquid	Drums	25	20	21	Imported	Road	
Ethyl Chlor	roacetate	Liquid	Drums	12	10	16	Local	Road	
Phtha	lide	Solid	Bags	1.5	1	2.083	Local	Road	
Anili	ine	Liquid	Drums	13	10	17.5	Local	Road	
Dimethyl	Oxalate	Liquid	Drums	70	60	23.33	Local Local &	Road	
Pophospho	oric Acia	Liquia	Drums	70	60	/./٥	Imported	Road	
Dichloron	nethane	Liquid	Drums	25	20	16.66	Local	Road	
Sulphur	ic acid	Liquid	Drums	15	10	13.33	Local	Road	
Polyphosph	noric Acid	Liquid	Carboys	12	10	25	Local	Road	
Benzoyl p	eroxide	Liquid	Carboys	0.6	0.5	0.416	Local	Road	
ABC A	Acid	Powder	Bags	7	5	8.33	Local	Road	
Vinyl ac mono	cetate mer	Liquid	Drums	13	10	8.33	Local	Road	
Calcium h	ydroxide	Powder	Bags	7	5	5	Local	Road	
			52.Any Ot	her Info	rmation	l			
Abhay Pimp SEAC-I)	Signature: Signature: Signature: Signature: Signature: Signature: Name: Dr. Umakant Gangetero Dangat bhay Pimparkar (Secretary FAC-1) Date: February 2, 2019 Page 11 of 102 Chairman SFAC-1)								

No Information Availabl	le	
	53.	Traffic Management
	Nos. of the junction to the main road & design of confluence:	
	Number and area of basement:	
	Number and area of podia:	
	Total Parking area:	20.0 sq.m.
	Area per car:	-
	Area per car:	
Parking details:	Number of 2- Wheelers as approved by competent authority:	
	Number of 4- Wheelers as approved by competent authority:	
	Public Transport:	
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	No
	Other Relevant Informations	NA
S	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-01-2018
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS
Environmental Impacts of the project	Not Applicable	
Water Budget	Not Applicable	

Abhay Pimparkar (Secretary SEAC Meeting No: 159th (A) - Day-2 Meeting Page 12 Dr. SEAC I) Data: February 2, 2010 of 102 (Ch	Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 12	Signature: Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat	
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Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

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

DECISION OF SEAC

agger or anger			Signature: Name: Dr. Umakan Gangetrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 13	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

PP to ascertain and submit notification stating that existing plot is located in the Notified Industrial Estate/Park/Area. In absence of the credible documents regaridng notified Industrial Estate/Park/Area, PP to carry out Public Consultation as per procedure stipulated in the EIA Notification 2006 and submit complinace report of the issues raised during Public Consultation.

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

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

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

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

Specific Conditions by SEAC:

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

2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of culde-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

3) PP to carry out life cycle analysis of the activities carried out on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc

4) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.

5) PP to carry out HAZOP and QRA and submit disaster management plan.

6) PP to include water and carbon foot print monitoring in the EMP.

7) PP to submit hazardous chemical handling protocol

8) PP to include technical note on the change of catalyst from Red Phosphorous to Sulphur with respect to the environmental Impact in the EIA report.

9) PP to submit structural stability certificate to accommodate proposed expansion in the existing units.

10) PP to submit clarification and technical note on consumption of water, energy, fuel with respect to the increase in the proposed production quantity.

11) PP to submit copy of water supply permission obtained from the competent Authority.

12) PP to submit plant layout showing existing and proposed equipments location.

13) PP to submit design details of boiler and associated pollution control equipments.

14) PP to submit clarification on the generation of spent acids and calcium bromide waste as byproduct and confirm the cateogry as per Hazardous Waste (M&H) Rule, 2016.

15) PP to submit design details of scrubbers.

16) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

FINAL RECOMMENDATION

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



159th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 159th (A) - Day-2 Meeting Date February 2, 2019

Subject: Environment Clearance for Environmental Clearance for proposed production capacity enhancement of Adima Oganics (I) Pvt. Ltd.

1.Name of Project	Adima Organics (I) Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sandeep Dattatraya Deshmukh
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Expansion of Fine & Specialty Chemicals manufacturing unit , Schedule 5(f), Category B-1 under EIA Notification 2006
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in exisiing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No, since not applicable
8.Location of the project	Plot No. 103 & 104, Phase-IV, STICE, Musalgaon, Taluka - Sinnar, District- Nashik
9.Taluka	Sinnar
10.Village	Musalgaon
Correspondence Name:	Mr. Sandeep Dattatraya Deshmukh
Room Number:	178/A
Floor:	
Building Name:	
Road/Street Name:	Mahatma Nagar
Locality:	Nasik
City:	Nasik
11.Area of the project	Notified STICE (Sinnar Taluka Industrial Co-operative Estate)
	-
12.IOD/IOA/Concession/Plan	IOD/IOA/Concession/Plan Approval Number:
	Approved Built-up Area: 1558.90
13.Note on the initiated work (If applicable)	Currently operational manufacturing unit
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	
15.Total Plot Area (sq. m.)	4064.09 sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
	a) FSI area (sq. m.): Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 1588.90
	Approved FSI area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 19-06-2000
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	5600000.00

22.Number of buildings & its configuration



Is a Violation Case: No

	Signature:
Page 15	Dr. Umakant Dangat
of 102	(Chairman SEAC-I)

Serial number	Building Name & number			Nu	mber of floors	Height of the building (Mtrs)			
1	1	Not applicable	;	Ν	lot applicable	Not applicable			
2	Not applicable			Ν	lot applicable	Not applicable			
3	1	Not applicable	•	Ν	lot applicable	Not applicable			
4	1	Not applicable	;	Ν	lot applicable	Not applicable			
5	1	Not applicable	;	Ν	lot applicable	Not applicable			
6	1	Not applicable	;	Ν	lot applicable	Not applicable			
7	1	Not applicable		Ν	lot applicable	Not applicable			
8	1	Not applicable	•	Ν	lot applicable	Not applicable			
9	1	Not applicable	•	Ν	lot applicable	Not applicable			
10	1	Not applicable	;	Ν	lot applicable	Not applicable			
11	1	Not applicable	;	Ν	lot applicable	Not applicable			
12	ľ	Not applicable	;	Ν	lot applicable	Not applicable			
13	1	Not applicable	;	Ν	lot applicable	Not applicable			
14	R	Not applicabl	e	Ν	lot applicable	Not applicable			
15	1	Not applicable	;	Ν	lot applicable	Not applicable			
23.Number tenants an	r of d shops	Not applicat	le						
24.Number expected r users	r of esidents /	Not applicat	Not applicable						
25.Tenant per hectar	density e	Not applicat	le						
26.Height building(s	of the)								
27.Right o (Width of t from the n station to proposed l	f way the road earest fire the ouilding(s)	9							
28.Turning for easy ac fire tender movement around the excluding for the pla	y radius ccess of from all building the width ntation	9 m							
29.Existing	J (s) if any	Manufacturi	ng plant & ass	ociated in	frastructure are prese	nt on project plot			
30.Details demolition disposal (I applicable	ils of the ion with I (If ble)								
31.Production Details									
Serial Number	Pro	duct	Existing (N	AT/M)	Proposed (MT/M)	Total (MT/M)			
1	N PROPYL	BROMIDE	5.0		95.0	100.0			
2	N BUTYL	BROMIDE	20.0		130.0	150.0			
3	N HEXYL	BROMIDE	10.0		190.0	200.0			

altro aners			Signature: Name: Dr. Umakant Gangetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 16	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

4	3-CHLORO CHLO	DPROPIONYL 2.0 LORIDE 2.0		0	Production will be stopped			
5	3-PICOTYL HYDROC	CHLORIDE HLORIDE	2	2.0	Production will be stopped			
6	Alpha Bron Phenyl A	no 2-Chloro cetic Acid			10.0	10.0		
7	Methyl Alpl Chloro Phe	ha Bromo 2- enyl Acetate			10.0	10.0		
8	1,4-DIH BUT	BROMO TANE			10.0	10.0		
9	TRIE PHOSPHON	THYL NOACETATE			20.0	20.0		
10	Bromoace Dimethy	etaldehyde yl Aectal			20.0	20.0		
11	DECYL E	BROMIDE			10.0	10.0		
12	Pthalazino	one Stage 1			2.0	2.0		
13	Glyc	ocuril			20.0	20.0		
14	2,3-Diox	ko Indole			20.0	20.0		
15	Sulphurio proc	c acid (By- duct)			123.21	123.21		
16	Hydrobrom proc	Hydrobromic acid (By- product)			12.0	12.0		
17	Methyl ac proc	cetate (By- duct)			16.74	16.74		
18	Calcium solution (E	bromide 3y-product)			18.63	18.63		
19	Phsophori proc	ic acid (By- duct)		-	0.10	0.10		
	-	3	2.Tota	l Wate	r Requiremen	t		
		Source of v	vater	Not applicable				
		Fresh wate	r (CMD):	Not applica	ble			
		Recycled w Flushing (0	ater - CMD):	Not applicable				
		Recycled water - Gardening (CMD):		Not applicable				
Dry season:		Swimming make up (C	pool Cum):	Not applicable				
		Total Wate Requireme :	r nt (CMD)	Not applicable				
		Fire fightin Undergrou tank(CMD)	ng - nd water :	Not applicable				
		Fire fightin Overhead v tank(CMD)	ng - vater :	Not applicable				
		Excess trea	ted water	Not applicable				



		So	urce of wat	er	Not applicable	e					
		Fre	Fresh water (CMD):		Not applicable						
		Recycled water - Flushing (CMD):			Not applicable						
			cycled wate rdening (C	er - MD):	Not applicable	е					
		Sw ma	imming po ke up (Cur	ol n):	Not applicable	e					
Wet seaso	1:	Tot Rec :	tal Water quirement	(CMD)	Not applicable	е					
		Fir Un tan	e fighting derground k(CMD):	water	Not applicable	e					
		Fir Ove tan	e fighting erhead wat k(CMD):	er	Not applicable	e			10		
		Exe	cess treate	d water	Not applicable	e					
Details of pool (If an	Swimming y)	No	t applicable								
			33.	Detai	ls of Total	water co	nsun	ned			
Particula rs	Cons	ump	otion (CMD)	Loss	(CMD)	5		Effluent (CMD)		
Water Require ment	Existing	Γ	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	0.6		1.9	2.5	0.2		0.2	0.4	1.9	2.3	
Industrial Process	0.2		16.8	17.0		0.47	0.47	0.2	16.33	16.53	
Cooling tower & thermopa ck	3.2		14.0	17.2	1.9	9.36	11.26		2.84	2.84 (3.1 Boile condensate recovery)	
Gardening	1.1 (Recycl	ed)	5.6	6.7	1.1 (Recycled)	5.6	6.7				
				Y				-			
		Lev wa	vel of the G ter table:	round	18.36 m bgl (1	18.36 m bgl (Pre monsoon)					
		Siz tan Qu	e and no o ik(s) and antity:	f RWH	1 m x 2 m x 1	1 m x 2 m x 1 m = 2 m3, 1 No. Tank of 2 m3 capacity					
	5	Loo tan	cation of th k(s):	e RWH							
34.Rain V Harvestii	Water Ng	Qu pit	antity of re s:	echarge	·						
(RWH)	5	Siz :	e of rechar	rge pits							
			dgetary all pital cost)	ocation :	^l Rs. 2,00,000/-						
		Bu (O	dgetary all & M cost)	ocation :	^l Rs. 75,000/-	Rs. 75,000/-					
		De if a	tails of UG	T tanks	1. Fire fightin 2. Day to day	g water stoi usage watei	rage tar storag	nk of 100 K te tank of 2	L capacity 5 KL capaci	ty	

2-000 march			Signature:
C669			Name: Dr. Umakant Gangatrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 18	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	Natural water drainage pattern:	-		
drainage	Quantity of storm water:	1.02 m3/hr.		
	Size of SWD:	Width = 0.6 m , Depth = 0.762 m & Length = 265.1 m		
	Sewage generation in KLD:	2.3		
	STP technology:	Domestic Sewage will be treated in aeration tank of ETP		
bue aneway	Capacity of STP (CMD):	-		
Waste water	Location & area of the STP:	-		
	Budgetary allocation (Capital cost):	-		
	Budgetary allocation (O & M cost):	-		
	36.Solie	d waste Management		
Waste generation in	Waste generation:	-		
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	-		
	Dry waste:			
	Wet waste:	-		
Waste generation	Hazardous waste:	Spent Solvent - 10.5 T/M, Distillation Residue - 1.1 T/M, Discarded Containers - 300 Nos./Month, ETP Sludge - 3.025 T/M, MEE Residue - 218.4 T/A		
Phase:	Biomedical waste (If applicable):			
	STP Sludge (Dry sludge):			
	Others if any:			
	Dry waste:	-		
	Wet waste:			
Mode of Disposal	Hazardous waste:	Spent Solvent, Distillation Residue, ETP Sludge & MEE Residue to CHWTSDF and Discarded Containers - Sale to authorized recyclers		
of waste:	Biomedical waste (If applicable):			
	STP Sludge (Dry sludge):			
	Others if any:	-		
	Location(s):			
Area requirement:	Area for the storage of waste & other material:	Hazardous waste storage area - 10 sq.m.		
	Area for machinery:			
Budgetary allocation	Capital cost:			
O&M cost):	0 & M cost:			

	Signature:
	Name: Dr. Umakant Gangetrao Dangat
Page 19	Dr. Umakant Dangat
of 102	(Chairman SEAC-I)
Q	g Page 19 of 102

37.Effluent Charecterestics										
Serial Number	Parameters	Unit	Inlet E Charect	ffluent erestics	Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)			
1	pH		4	.0	8	.0	6-8.5			
2	TDS	mg/l	210	0.0	190	0.0	2100.0			
3	BOD	mg/l	300	0.0	9	0	100.0			
4	COD	mg/l	600	0.0	24	0.0	250.0			
5	0 & G	mg/l	2	.5	1	.2	10.0			
Amount of e (CMD):	effluent generation	21.67								
Capacity of	the ETP:	ETP of 25 C capacity	CMD capacity	7, Stripper M	IEE of 12 CM	1D capacity 8	& R.O of 25 CMD			
Amount of t recycled :	reated effluent	18.5 CMD &	& 3.1 CMD B	oiler conden	isate recover	у	0			
Amount of v	water send to the CETP:									
Membershi	p of CETP (if require):									
Note on ET	P technology to be used	The HCOD- & LCOD-LT domestic set further sent will be subj Zero Liquid	The HCOD-HTDS effluent from manufacturing process will be sent to Stripper MEE & LCOD-LTDS effluent will be sent to conventional ETP, MEE condensate along with domestic sewage will be sent to aeration tank of secondary treatment which will be further sent to R.O system along with boiler & cooling tower blow downs, R.O reject will be subjected to MEE & R.O permeate will be reused thus the project will be Zero Liquid Discharge activity.							
Disposal of	the ETP sludge	ETP slude v	vill be dispos	sed to CHWT	SDF					
	38.Hazardous Waste Details									
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal			
1	Spent solvent	20.2	T/M	0.05	10	10.05	CHWTSDF			
2	Distillation Residue	20.3	T/M	0.1	1.0	1.1	CHWTSDF			
3	ETP Sludge	35.3	T/M	0.025	3.0	3.025	CHWTSDF			
4	MEE Residue	37.3	T/A		218.4	218.4	CHWTSDF			
5	Discarded Comtainers	33.1	Nos./M	100.0	200.0	300.0	Sale To Authorized Dealers /CHWTSDF			
		39.St	acks em	ission Do	etails					
Serial Number	Section & units	Fuel Us Quai	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases			
1	Common stack attached to 2 boilers of 1.1 TPH	Furnace Oil	l - 580 l/day	1	30.0	0.45	134 OC			
2	D.G of 63 kVA	Diesel - 500 l/month (D.G set will be operated only during power failure)		2	3.0	0.42	174 OC			
3	2 Stage alkaline scrubber attached to process reactors	-	-	3	10.0 (Above roof)					
4	2 Stage alkaline scrubber attached to process reactors	-	-	4	10.0 (Above roof)					

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 20	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

5	Alkaline attached t storag	e scrubber to Bromine ige tank				5	7.0 (Above tank)			
40.Details of Fuel to be used										
Serial Number	Тур	oe of Fuel			Existing	J	Prop	osed	Total	
1	Fu	rnace Oil			250 l/da	у	330	l/day	580 l/day	
2		Diesel			200 l/mon	th	300 1/	month	500 l/month	
41.Source of	of Fuel			Furna Diese	ace Oil - D.M el - Sourced f	I.K Petro Tr from local v	aders & Carri endor	ers Pvt. Ltd.	, Navi Mumbai and	
42.Mode of	Transportat	ion of fuel to	site	Tank	er by Road					
		Total RG a	rea :		1341.00					
		No of trees	s to be	e cut						
		Number of be planted	f trees	to	166					
43.Green Belt Development		List of proposed native trees :			Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleichera oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Trema orientalis, Pongamia pinnata, Neolamarckia cadamba, Pterospermum acerifolium Dalbergia sissoo & Millingtonia hortensis					
		Timeline for completion plantation	or 1 of :		1 year after grant of EC					
	44.Nu	mber and	l list	of t	rees spe	cies to k	oe planteo	l in the g	ground	
Serial Number	Name of	the plant	Co	ommon Name		Qua	antity	Characte	eristics & ecological importance	
1	Cassia	fistula	Č,	Bahava		Native tr tracts of Distirct ha attractin butt	ee of forest of Nashik wing flowers g bees and erflies		7	
2	Bombax ceiba			Sawar		A native tree wit flowers large num & in	ve deciduous vith fragrant rs attracting 7 umber of birds a insects		7	
3	3 Asltonia shcolaris			Saptaparni		A native tree wit flowers having co higher dr	evergreen h fragrant & leaves mparatively ust settling idex	7		
4	Macaranga peltata			Chandwar		A native tree found in abundance across the plains of Nahik District			7	
5	Schleiche	era oleosa		Kusum		A native trees of for Nashil	e deciduous orest tracts of ik District		7	

[]			
agger or the set			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 21	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

6	Microcos paniculata	Shirali	A native evergreen medium sized tree of forest tracts of Nashik District	7
7	Terminalia elliptica	Ain	A native evergreen tree of forest tracts of Nashik District	7
8	Terminalia paniculata	Kindal	A native deciduous tree of forest tracts of Nashik District	7
9	Terminalia bellirica	Baheda	A native deciduous tree of forest tracts of Nashik District	7
10	Cordia dichotoma	Shelu	A native deciduous tree of forest tracts of Nashi District attracting large number of insects	S ⁷
11	Helicteres isora	Murudsheng	A native deciduous medium sized tree of forest tracts of Nashik District visited by large number of birds	7
12	Holoptelea integrifolia	Ainsadada	A native deciduous tree of forest tracts of Nashik District	7
13	Butea monosperma	Palash	A native brilliantly flowering tree abundant the Nashik District visited by large number of birds	7
14	Oroxylum indicum	Tetu	A native ornamental tree	7
15	Erythrina suberosa	Pangara	A native deciduous medium sized tree of forest tracts of Nashik Distirct visited by large number of birds	7
16	Azadirachta indica	Kadulimb	A native evergreen tree capable of surviving in comparatively polluted environs	7
17	Trema orientalis	Ghol	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index	7
18	Pongamia pinnata	Karanj	A native deciduous tree well suited to intense heat and sunlight and drought tolerant	7
19	Neolamarckia cadamba	Kadamba	A native evergreen tree with tremendous blooms attracting large number of insects	7
				1

agent theres?			Signature: Name: Dr. Umakant Gaupetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 22	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

20	Pterosr acerii	permum Karni folium		nikar	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation		7
21	Dalberg	ia sissoo	Shis	ham	A native e tree attrac number e	evergreen cting large of insects	7
22	Millingtoni	a hortensis	Kaval	nimb	A native fa flowering tr ornamenta	st growing ree used for l plantation	19
45	.Total qua	ntity of plants or	n grou	nd			
46.Num	nber and	list of shrul	os an	d bushes	s species	to be pla	anted in the podium RG:
Serial Number		Name		C/C Dista	ince		Area m2
1							
				47.E	nergy		
		Source of powe supply :	r	MSEDCL			5
		During Constru Phase: (Deman Load)	iction d				
		DG set as Power back-up during construction phase					
Dor	107	During Operati phase (Connect load):	on ted	600 kW			
require	ement:	During Operation phase (Demand load):		750 kVA			
		Transformer:	er: Existing 25		0 kVA		
		DG set as Power back-up during operation phase:		63 kVA			
		Fuel used:		Diesel			
	c î	Details of high tension line pa through the plo any:	ssing ot if				
	5	48.Energy	savi	ng by no	n-conver	ntional m	ethod:
Energy con	servation wi	ll be achieved by	nstallir	ng solar light	s within proj	ject premises	6.
		49.D	etail	calculati	ons & %	of saving	g:
Serial Number	E	nergy Conservat	ion M	easures	Saving %		
1		Solar lig	ghts				14
		50.De	tails	of pollut	ion cont	rol Syste	ms
Source		Existing pollution	on cont	rol system		Pre	oposed to be installed

appropringes			Signature: Name: Dr. Umakant Gangetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 23	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

1.1 TPH Steam boile	er	Stack of 30 m height								
1.1 TPH Steam boile	er						Existing common stack of 30 m height for both steam boilers			
Manufacturi process	ing 2 stag	2 stage alkaline scrubber with stack of 10 m height above roof								
Bromine storage tar	Alkal	Alkaline scrubber with stack of 7 m height above storage tank								
Manufacturi	ing					2 stage a	lkaline s	scrubh ab	oer with sta	ack of 10 m height
Manufacturi	ing					2 stage a	lkaline s	scrubl	ove roof	ack of 10 m height
D.G		S	Stack of 3.0 n	1						
Budgetary	allocation	Capital co	st:	1,68,000.00)					\wedge
(Capital O&M	cost and cost):	0 & M cos	t:	40,000.00						
51	.Envir	onment	tal Mar	nageme	ent p	lan Bu	ıdge	etar	y Allo	cation
		a)	Constru	c <mark>tion ph</mark> a	nse (w	ith Brea	ak-up):		
Serial Number	Attri	ibutes	Para	meter		Total C	Cost pe	r ann	um (Rs. I	n Lacs)
1			-	-						
		b) Operat	ion Phas	e (wit	h Break	k-up)	•		
Serial Number	Comp	ponent	Descr	iption	Capit	tal cost Rs. In Lacs		Oper	ational a cost (Rs.	nd Maintenance in Lacs/yr)
1	Air Polluti	Air Pollution Control		n of 2 nos. e alkaline for process ctors		12.0).6
2	Water I Coi	Water Pollution Control		lation of ETP to 25 acity along allation of MEE of 12 city & RO of capacity		1.55			2	5.0
3	Occupatio	Occupational Health		Breathing oves, Boots, Ear Plugs ual health- heckup of cers f		3.5).8
4	No	Noise		on of anti- 1 pads, & 1 action of 2 for D.G & 1 lers		2.5		2.5		
5	Solid Manag	Solid Waste Management Solid Waste Management Solid Waste Management Solid Waste Storage of so Concrete p hazardou Storage		f additional s/bags for solid waste, paving of us waste ge area		1.5).3
6	Gree	en Belt	Gree develop mainte	n belt oment & enance	1.6478.00 1.87146.00			146.00		
Abhay Pimp SEAC-I)	Abhay Pimparkar (Secretary SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 Date: February 2, 2019									

7	Rain Wate	er Harvestir	Rain water harvest tank of 2 m3 & sett up of RWH system	ing ing n	2.0		0.75		
8	Energy o	conservatior	Installation of sola lighting within proj premises	ar ect	1.68		0.4		
9	Envi Moni Man	ronment itoring & agement	Monitoring of vario environmental parameters	ous			15.4	0	
51.S	torag	e of ch	emicals (infl	amabl	e/expl	osive/ha	zardou	s/toxic	
	J		sub	stance	es)			-,	
	Maximum Quantity of								
Descri	ption	Status	Location	Storage Capacity in MT	Storage at any point of time in	Consumption / Month in MT	Source of Supply	Means of transportation	
Liquid B	romine	Liquid	Tanks	250	200	413.33	Local &	Road	
n But	anol	Liquid	Tanks	75	60	148	Loacl & Imported	Road	
n Prop	oanol	Liquid	Tanks	75	60	53.33	Local & Imported	Road	
n Hex	anol	Liquid	Tanks	75	60	135.41	Imported	Road	
Tetrahyd	rofuran	Liquid	Drums	12	10	3.7	Local & Imported	Road	
n Dec	anol	Liquid	Tanks	25	20	7.83	Imported	Road	
o-Chlorophe Aci	enyl Acetic id	Solid	Bags	25	20	7.7	Imported	Road	
Metha	anol	Liquid	Tanks	25	20	4.16	Loacl	Road	
Sulp	hur	Solid	Bags	20	15	23.33	Local	Road	
Glyo	xal	Liquid	Drums	120	100	21	Local & Imported	Road	
Ure	ea	Solid	Bags	120	100	16.66	Local	Road	
Vinyl A	cetate	Liquid	Drums	25	20	14	Local	Road	
Triethyl P	hosphite	Liquid	Drums	25	20	21	Imported	Road	
Ethyl Chlo	roacetate	Liquid	Drums	12	10	16	Local	Road	
Phtha	lide	Solid	Bags	1.5	1	2.083	Local	Road	
Anili	Ine	Liquid	Drums	13	10	17.5	Local	Road	
Pophospho	Oxalate oric Acid	Liquid	Drums	70	60	7.75	Local &	Road	
Dichloror	nethane	Liquid	Drums	25	20	16.66	Local	Boad	
Sulphur	ic acid	Liquid	Drums	15	10	13 33	Local	Road	
Polyphosph	noric Acid	Liquid	Carboys	12	10	25	Local	Road	
Benzovl r	eroxide	Liquid	Carboys	0.6	0.5	0.416	Local	Road	
ABC	Acid	Powder	Bags	7	5	8.33	Local	Road	
Vinyl ao mono	cetate mer	Liquid	Drums	13	10	8.33	Local	Road	
Calcium h	ydroxide	Powder	Bags	7	5	5	Local	Road	
			52.Any Ot	her Info	ormation				
Abhay Pimi SEAC-I)	ortesso parkar (Sec	eretary S	EAC Meeting No: 159th Date: Februar	ı (A) - Day-2 ry 2, 2019	? Meeting	Page 25 D of 102 (0	Signature: Name: Dr. Umaka Pr. Umakant Chairman SI	nt Gåugetzeo Dangen Dangat EAC-I)	

No Information Availabl	le	
	53.	Traffic Management
	Nos. of the junction to the main road & design of confluence:	
	Number and area of basement:	
	Number and area of podia:	
	Total Parking area:	20.0 sq.m.
	Area per car:	-
	Area per car:	
Parking details:	Number of 2- Wheelers as approved by competent authority:	
	Number of 4- Wheelers as approved by competent authority:	
	Public Transport:	-
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	No
	Other Relevant Informations	NA
SY	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-01-2018
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS
Environmental Impacts of the project	Not Applicable	
Water Budget	Not Applicable	

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 26 of 102	Signature: Name: Dr. Umakant Gangetzeo Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

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

DECISION OF SEAC

agger or anger			Signature: Name: Dr. Umakan Gangetrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 27	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

PP to ascertain and submit notification stating that existing plot is located in the Notified Industrial Estate/Park/Area. In absence of the credible documents regaridng notified Industrial Estate/Park/Area, PP to carry out Public Consultation as per procedure stipulated in the EIA Notification 2006 and submit complinace report of the issues raised during Public Consultation.

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

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

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

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

Specific Conditions by SEAC:

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

2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of culde-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

3) PP to carry out life cycle analysis of the activities carried out on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc

4) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.

5) PP to carry out HAZOP and QRA and submit disaster management plan.

6) PP to include water and carbon foot print monitoring in the EMP.

7) PP to submit hazardous chemical handling protocol

8) PP to include technical note on the change of catalyst from Red Phosphorous to Sulphur with respect to the environmental Impact in the EIA report.

9) PP to submit structural stability certificate to accommodate proposed expansion in the existing units.

10) PP to submit clarification and technical note on consumption of water, energy, fuel with respect to the increase in the proposed production quantity.

11) PP to submit copy of water supply permission obtained from the competent Authority.

12) PP to submit plant layout showing existing and proposed equipments location.

13) PP to submit design details of boiler and associated pollution control equipments.

14) PP to submit clarification on the generation of spent acids and calcium bromide waste as byproduct and confirm the cateogry as per Hazardous Waste (M&H) Rule, 2016.

15) PP to submit design details of scrubbers.

16) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

FINAL RECOMMENDATION

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



159th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 159th (A) - Day-2 Meeting Date February 2, 2019

Subject: Environment Clearance for Proposed expansion of manufacturing of Iso Propyl Alcohol- Petroleum products and petrochemical based processing facility at Plot No K1-K8, MIDC Taloja, Panvel by Deepak Fertilizers and Petrochemicals Corporation Limited

Is a Violation Case: No

1.Name of Project	Proposed expansion of manufacturing of Iso Propyl Alcohol- Petroleum products and petrochemical based processing facility at Plot No K1-K8, MIDC Taloja, Panvel by Deepak Fertilizers and Petrochemicals Corporation Limited
2.Type of institution	Private
3.Name of Project Proponent	Deepak Fertilizers and Petrochemicals Corporation Limited
4.Name of Consultant	Aditya Environmental Services Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes.
8.Location of the project	Plot No K1-K8, MIDC Taloja, Panvel
9.Taluka	Panvel
10.Village	Taloja
Correspondence Name:	Mr. Deepak Pande
Room Number:	-
Floor:	
Building Name:	
Road/Street Name:	-
Locality:	
City:	
11.Area of the project	MIDC Taloja
	MIDC approved plot plan
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: MIDC approved plot plan
	Approved Built-up Area: 270889
13.Note on the initiated work (If applicable)	Expansion within existing project.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approved plot plan
15.Total Plot Area (sq. m.)	385584 sq m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
	a) FSI area (sq. m.): Not applicable
Non-FSI)	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 14050
	Approved FSI area (sq. m.): 306399
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): NA
	Date of Approval: 28-08-2015
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	8437500000

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 29 of 102	Signature: Name: Dr. Umakant Gangata Dr. Umakant Dangat (Chairman SEAC-I)
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	2	2.Num	ber of l	ouildin	igs & its conf	iguration		
Serial number	Buildin	g Name & 1	number	N	umber of floors	Height of the building (Mtrs)		
1	ľ	Not applicabl	e		Not applicable	Not applicable		
23.Number tenants an	r of d shops	Not applica	Not applicable					
24.Number expected r users	r of esidents /	Not applica	ble					
25.Tenant per hectar	density e	Not applica	ble					
26.Height building(s	of the)							
27.Right o (Width of f from the n station to proposed l	f way the road learest fire the ouilding(s)	Min. 6 m				020,		
28.Turning for easy ac fire tender movement around the excluding for the pla	g radius ccess of from all e building the width ntation	Min. 9 m						
29.Existing	g (s) if any	Existing fac	ility is for m	anufacturin	g of Petroleum products	and petrochemical based processing.		
30.Details demolition disposal (I applicable	of the with f	Not applicable						
			31.P	roduc	tion Details			
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Liqui	d CO2	72,000	MT/A	0 MT/A	72,000 MT/A		
2	Amn	nonia	140,400	0 MT/A	0 MT/A	140,400 MT/A		
3	Meth	nanol	99,996	MT/A	0 MT/A	99,996 MT/A		
4	Weak N	itric acid	445,500	0 MT/A	0 MT/A	445,500 MT/A		
5	Concentra	ated nitric cid	129,600	0 MT/A	0 MT/A	129,600 MT/A		
6	Multiple o Fert	Jrade NPK ilizer	6,00,00	0 MT/A	525000 MT/A	11,25,000 MT/A		
7	Technic ammoniu plus am nitrat	al grade m nitrate" monium e melt	444,000) MT/A	0 MT/A	444,000 MT/A		
8	Iso propy (II	yl alcohol PA)	70200	MT/A	110000 MT/A	180200 MT/A		
9	Electric	c power	9.4	MW	0 MT/A	9.4 MW		
10	Ste	am	1,056 N	/day	0 MT/A	1,056 MT/day		

agentares			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 30	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

0 MT/A

25,000 MT/A

25,000 MT/A

Bentonite sulphur pastilles

11

12 Iso propyl alcohol (for drum filling operation (packaging operation) only)		15,000 MT/A		0 MT/A	15,000 MT/A				
Di iso propyl ether (DIPE) (for drum filling operation (packaging operation) only		15000 MT/A		0 MT/A	15000 MT/A				
14	Gas base generation DG s	ed power (excluding sets)	17.9	MW	0 MT/A	17.9 MW			
15	Propane (E	By product)	33,000) MT/A	15,000 MT/A	48,000 MT/A			
16	Calcium p (By pr	phosphate oduct)	210	MT/A	0 MT/A	210 MT/A			
17	Crude I proc	DIPE (By luct)	1,440	MT/A	0 MT/A	1,440 MT/A			
18	18 Di iso propyl ether (DIPE) (By product)		0 MT/A		7000 MT/A	7000 MT/A			
19	19 Hydrogen gas (By product)		960 MT/A		0 MT/A	960 MT/A			
20	Crude I mixture (B	PA/NPA By product)	1,080 MT/A		1500 MT/A	2580 MT/A			
		3	2.Tota	l Wate	r Requiremen	t			
		Source of	water	MIDC Taloja					
		Fresh wate	er (CMD):	23142 CMI					
		Recycled v Flushing (Recycled water - Flushing (CMD):		Not applicable				
		Recycled water - Gardening (CMD):		Not applicable					
		Swimming make up (pool Cum):	Not applicable					
Dry season: R : : : : : : : : : : : :		Total Water Requirement (CMD) :		23863 CMD (23142 CMD from MIDC and 721 CMD recycle)					
		Fire fightin Undergrou tank(CMD	ng - Ind water):	Not applica	ble				
		Fire fightin Overhead tank(CMD	ng - water):	Not applica	ble				
Exc		Excess treat	ated water	Not applica	ble				



Source of water			ater	Not applicable						
		Fresh water	Fresh water (CMD):		Not applicable					
		Recycled wa Flushing (C	ater - CMD):	Not applicable						
	Recycled wa Gardening	Recycled water - Gardening (CMD):		able						
Swimmin make up			pool um):	Not applic	able					
Wet seaso	n:	Total Water Requirements	r nt (CMD)	Not applic	cable					
		Fire fightin Undergroun tank(CMD)	g - nd water :	Not applic	cable					
		Fire fightin Overhead w tank(CMD)	g - vater :	Not applic	able		<u> </u>	Ç,		
		Excess trea	ted water	Not applic	able					
Details of Swimming pool (If any) Not applicable										
33.Details of Total water consumed										
Particula rs	Const	umption (CM	ID)		Loss (CMD)		Effluent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	172	0	172	18.5	0	18.5	153.5	0	153.5	
Industrial Process	2358	480	2838	1188.7	130	1668.7	1169.3	350	1169.3	
Cooling tower & thermopa ck	18813	2040	20853	16004.02	1669	18044.02	2808.98	371	2808.98	
		Level of the water table	Ground							
		Size and no tank(s) and Quantity:	of RWH							
	c V	Location of tank(s):	the RWH	[
34.Rain V Harvestin	Water ng	Quantity of pits:	recharge							
(RWH)		Size of rech :	arge pits							
			allocation	ı						
		(Capital cos	st) :							
		(Capital cos Budgetary a (O & M cos	st) : allocation t) :							
		(Capital cos Budgetary a (O & M cos Details of U if any :	st) : allocation t) : JGT tanks							

approximates			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 32	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	Natural water drainage pattern:	
drainage	Quantity of storm water:	
	Size of SWD:	Detailed drawing is attached as Annexure 6
	•	
	Sewage generation in KLD:	153.5 cmd
	STP technology:	Sewage water is used as food to bacteria in bioreactor at ETP.
Sewage and	Capacity of STP (CMD):	
Waste water	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	-
	Budgetary allocation (O & M cost):	-
	36.Solie	d waste Management
Waste generation in the Pre Construction	Waste generation:	Ready mixed concrete will be used to avoid/minimise civil debris and dust emission. Also soil will be refilled back.
and Construction phase:	Disposal of the construction waste debris:	Scrap generated will be sold to recycler.
	Dry waste:	-
	Wet waste:	-
Waste generation in the operation Phase:	Hazardous waste:	Spent catalyst, Residue and wastes, Discarded containers/liners, Used oil filters (non-metallic), Residues and wastes (silica gel), Date expired, discarded and off specification drugs (Ni Cd batteries), Used/Spent oil, Waste/residue containing oil, Used containers, Spray cans, spent catalyst, Used denoxed catalyst as spent catalyst, ,Used oil filters (nonmetallic), Date expired, discarded and off specification drugs (Lead acid batteries), Date expired, discarded and off specification drugs (Dry
	Biomedical waste (If applicable):	Soiled waste, Glassware
	STP Sludge (Dry sludge):	
	Others if any:	
	Dry waste:	
	Wet waste:	
Mode of Disposal	Hazardous waste:	Hazardous waste will be disposed of to CHWTSDF/ sale to authorized Recycler or Reuser as per Hazardous waste rule 2016.
of waste:	Biomedical waste (If applicable):	Biomedical waste will be disposed off as per Biomedical waste rule 2016.
	STP Sludge (Dry sludge):	
	Others if any:	
	Location(s):	Within plot
Area requirement:	Area for the storage of waste & other material:	
	Area for machinery:	

appropringes?			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 33	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

Budgetary allocation		Capital cost:								
(Capital co O&M cost)	ost and):	O & M cost:								
		1	37.Ef	fluent C	harecter	estics				
Serial Number Parameters		Unit	Inlet E Charect	Inlet Effluent Out Charecterestics Char		Effluent erestics	Effluent discharge standards (MPCB)			
1	р	Η		4	- 9	6 -	8.5	6 - 8.5		
2	Oil and	grease	mg/lit	2 -	- 3	<	10	< 10		
3	BC	DD	mg/lit	200 -	- 300	< 1	100	< 100		
4	TI	DS	mg/lit	1000	-1500	< 2	100	< 2100		
5	Ammonica	al nitrogen	mg/lit	1800 -	- 2000	<	50	< 50		
6	Nitrate	nitrogen	mg/lit	150	- 200	<	20	< 20		
7	Phos	phate	mg/lit	80-	100	< .	5.0	< 5.0		
8	Free Am nitro	nmonical ogen	mg/lit	100	-150	<	4	< 4		
9	Suspend	ed solids	mg/lit	70 -	- 80	<1	.00	<100		
Amount of (CMD):	effluent gene	eration	4131.78 +	721(from IP.	A expansion)) = 4852.78 (CMD			
Capacity of	the ETP:		4200 CMD				3			
Amount of recycled :	created efflue	ent	721 CMD							
Amount of	water send to	o the CETP:	4131.78 CMD							
Membershi	p of CETP (if	f require):	Yes. Unit is	es. Unit is already member of CETP.						
Note on ETP technology to be used RO > F resins to be used 1. Existing the second				1. Existing: Low TDS effluent stream > Collection tank > Reaction tank > Ammonia stripper > Denitrification reactor I > Sec. clarifier I > Denitrification reactor II > Aeration tank > Sec. clarifier II > Final Polishing tank High TDS effluent stream > RO > Permeate recycle, 2. Proposed: Ceramic based membranes , ion exchange resins followed by bioreactor						
Disposal of	the ETP sluc	lge	ETP sludge	ETP sludge will be sent to CHWTSDF for landfill.						
			38.H a	zardous	Waste D	etails				
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Spent o	catalyst	18.1	MT/Y	48.34	210	258.34	Sale to authorized party approved by CPCB/ MPCB		
2	Residue a	nd wastes	31.1	MT/Y	10	115	125	Sale to recycler/ CHWTSDF		
3	Disca	arded ers/liners	33.3	MT/Y	346	0	346	Sale to authorized party for decontamination		
4	Used oil f meta	ilters (non allic)	5.2	No/Y	25	6	31	CHWTSDF		
5	Residues a (silica	and wastes a gel)	31.1	MT/2 years	60 MT/2 years	0	60 MT/2 years	Sale to authorized party / recycler		
6	Date e discarde specificatio Cd bat	xpired, d and off n drugs (Ni tteries)	28.3	once in 5 years	400 No once in 5 years	60 No once in 5 years	460 No once in 5 years	Sale to reuser		
7	Used/ S	pent oil	5.1	KL/Y	130	7	137	Sale to authorized party approved by CPCB/ MPCB		

approximest?			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 34	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

8	Waste/ residue containing oil	5.2	5.2 MT/Y		2	12	CHWTSDF
9	Used containers	33.3	No/Y	3012	0	3012	CHWTSDF
10	Spray cans	33.3	No/Y	900	200	1100	CHWTSDF
11	Platinum, Rhodium catalyst as spent catalyst	17.2	Kg/Y	100	0	100	CHWTSDF/sale to recycler
12	Used denoxed catalyst as spent catalyst	17.2	MT/6 years	10	0	10	CHWTSDF/sale to recycler
13	Used oil filters (nonmetallic)	5.2	No/Y	20	0	20	CHWTSDF
14	Date expired, discarded and off specification drugs (Lead acid batteries)	28.3	No/Y	34	20	54	Sale to reuser
15	Date expired, discarded and off specification drugs (Dry cell batteries)	28.3	No/Y	300	50	350	Sale to reuser
16	Chemical sludge from waste water treatment	35.3	TPM	30	0	30	sent to CHWTSDF
17	Ion exchange resins	35.2	TPM	0	100	100	sent to CHWTSDF
		39.S	tacks em	ission D	etails		
Serial Number	Section & units	Fuel Us Qua	sed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Ammonia Primary reformer (existing)	Natural Ga sm3	Natural Gas - 94218.5 sm3/day		30	1.373	170 deg C
2	Boiler A & B (existing)	Natural ga - 32400 sm MTPI	Natural gas / Naphtha - 32400 sm3/day or 50 MTPD each		30 (common stack)	1	125 deg C
3	Methanol Primary reformer (Existing)	Natural G sm3	as - 60150 /day		30	1.373	115 deg C
4	CNA Plant 1 (Existing)		-		42	0.075	25 deg C
5	CNA Plant 2 (Existing)		-		42	0.075	25 deg C
6	CNA Plant 3 (Existing)		-		42	0.075	25 deg C
7	WNA-I Plants (Existing)		-		39	0.953	38 deg C
8	WNA II Plants (Existing)	-			39	0.953	38 deg C
9	WNA III Plants (Existing)	-			60	0.953	38 deg C
10	WNA IV Plants(Existing)				52	0.953	130 Deg C
11	ANP Prilling tower (Existing)	-	-		84	1.5	50 Deg C
12	LDAN Prilling tower (Existing)				84	1.3	50 Deg C
13	ANP cyclone separator (Existing)	-			30	1.5	34 Deg C
14	ANP vacuum pump(Existing)	-			27.8	0.2	35 deg C
Abhay Pimparkar (Secretary SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 Page 35 of 102 Signature: Dr. Umakant Dangat (Chairman SEAC-I)							

15	LDAN ventury scrubber(Existing)		 24.5	1.5	41 deg C
16	Boiler C (Standby) (Existing)	Natural Gas - 12600 sm3/day	 30.5	1	125 Deg C
17	Boiler D (Standby) (Existing)	Natural gas / FO – 54000 sm3/day or 40 MTPD	 63	1	170 Deg C
18	CES - A engine exhaust boiler(Existing)	Natural Gas - 30750 sm3/day	 30.75	1.5	205 deg C
19	CES - B engine exhaust boiler(Existing)	Natural Gas - 30750 sm3/day	 30.75	1.5	205 deg C
20	CO2 liquifier 1 (Existing)		 8	0.025	24 Deg C
21	CO2 liquifier 2 (Existing)		 8	0.025	24 Deg C
22	Stripper 1 (Existing)		 5.1	0.511	-60 Deg C
23	Stripper 2 (Existing)		 5.1	0.511	-60 Deg C
24	Combined (1 Nos) (Existing)		 8	0.075	122 Deg C
25	Turbine - 1 (Existing)	Natural Gas - 37120 sm3/day	 30	1.067	125 Deg C
26	HRSG - 1(Existing)	Natural gas/ Naphtha - 19584 sm3/day or 30 MTPD	30	1.067	125 Deg C
27	Turbine - 2 (Existing)	Natural Gas - 37120 sm3/day	 30	1.067	125 Deg C
28	HRSG - 2 (Existing)	Natural gas/ Naphtha - 19584 sm3/day or 30 MTPD	 30	1.067	125 Deg C
29	Turbine - 3 (Existing)	Natural Gas - 42888 sm3/day	 30	1.5	550 Deg C
30	HRSG - 3 (Existing)		 30	1.5	190 Deg C
31	Turbine - 4 Existing)	Natural Gas - 42888 sm3/day	 30	1.5	550 Deg C
32	HRSG - 4(Existing)		 30	1.5	190 Deg C
33	Turbine - 5 (Existing)	Natural Gas - 45984 sm3/day	 30	1.5	550 Deg C
34	HRSG - 5 (Existing)		 30	1.5	190 Deg C
35	G P Vent (Existing)		 30	0.64	110 Deg C
36	780 weak nitric acid plant(Existing)		 48	1.3	131 deg C
37	600 TPD LDAN prilling towers, dryers(Existing)		 2	1.3	38.5 deg C
38	300 TPD HDAN Scrubber (existing)		 11	1.1	50 Deg C
39	300 TPD HDAN prilling tower(Existing)		 2	1.2	50 Deg C

Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 Page 36 of 102
	Thate (IFA) (Existing)			0.504	
59	Flare (IPA) (Existing)		 66	0.584	
58	Flare (NH3 storage)		 40	0.254	
57	Flare (NH3) (existing)		 50	0.254	
56	Boiler 70 TPH (Existing)	Coal - 320 TPD	 66 (common stack for 36 TPH and 70 TPH boiler)	1.9	140
55	Boiler 36 TPH (Existing)	Coal - 166 TPD	 66 (common stack for 36 TPH and 70 TPH boiler)	1.9	140
54	Process stack 2 (Existing)		 60	2.8	45 Deg C
53	Process stack 1 (Existing)		 60	2.8	45 Deg C
52	DG set - 750 KVA (Existing)	Diesel	 6.32	0.203	156 Deg C
51	DG set - 1010 KVA (Existing)	Diesel	 30	0.152	176 Deg C
50	DG set - 1500 KVA (Existing)	Diesel	 6.5	0.152	170 Deg C
49	DG set - 200 KVA (Existing)	Diesel	3	0.152	88 Deg C
48	DG set - 1000 KVA x 1 Nos (Existing)	Diesel	 6.5	0.254	183 Deg C
47	DG set - 1000 KVA x 1 No (Existing)	Diesel	 6.5	0.254	183 Deg C
46	DG set 1 x 500 KVA (existing)	Diesel	 4.5	0.254	112 Deg C
45	DG set 1 x 500 KVA (Existing)	Diesel	 4.5	0.254	150 Deg C
44	Batch and feed tank(Existing)		 10	0.152	55 Deg C
43	Pastillator 2		 8	0.152	52 Deg C
42	Pastillator 1		 8	0.152	52 Deg C
41	15 TPH boiler(Existing)	Natural gas / FO - 28800 sm3/day or 26 MTPD	 86 (Common stack for 40 TPH and 15 TPH boiler)	1.8	180 Deg C
40	40 TPH boiler (Existing)	Natural gas / FO- 73920 sm3/day or 49 MTPD	 86 (Common stack for 40 TPH and 15 TPH boiler)	1.8	180 Deg C

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 37	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

60	Flare (IPA) (Proposed)							
61	DG set (capacity- 200 KVA) (Proposed)	Die	sel- 200 Lit/ Day		3	0.152	88 Deg C	
40.Details of Fuel to be used								
Serial Number	Type of Fuel		Existin	g	Prop	osed	Total	
1	Natural gas (Ammon primary reformer)	ia	94218.5 sm	3/day	(0	94218.5 sm3/day	
2	Natural gas / naphtha (B A & B)	Boiler	32400 sm3/day o each	r 50 MTPD	(0	32400 sm3/day or 50 MTPD each	
3	Natural gas / naphtha (B A & B)	Boiler	32400 sm3/day o each	r 50 MTPD	(0	32400 sm3/day or 50 MTPD each	
4	Natural gas (Methan primary reformer)	ol	60150 sm3	/day	(0	60150 sm3/day	
5	Natural gas (Boiler standby)	С	12600 sm3	/day	(0	12600 sm3/day	
6	Natural gas or FO (Boil standby)	er D	54000 sm3/day o	r 40 MTPD	(54000 sm3/day or 40 MTPD	
7	Natural Gas (CES engine)	A	30750 sm3	/day		0	30750 sm3/day	
8	Natural Gas (CES - engine)	В	30750 sm3/day		0		30750 sm3/day	
9	Natural Gas (Turbine	1)	37120 sm3/day		0		37120 sm3/day	
10	Natural gas or naphtha (HRSG 1)		19584 sm3/day or 30 MTPD		0		19584 sm3/day or 30 MTPD	
11	Natural Gas (Turbine	2)	37120 sm3	/day	0		37120 sm3/day	
12	Natural gas or napht (HRSG 2)	ha	19584 sm3/day or 30 MTPD		0		19584 sm3/day or 30 MTPD	
13	Natural Gas (Turbine	3)	42888 sm3/day		0		42888 sm3/day	
14	Natural Gas (Turbine	4)	42888 sm3/day		0		42888 sm3/day	
15	Natural Gas (Turbine	5)	45984 sm3/day		0		45984 sm3/day	
16	Natural gas /FO (40 T boiler)	PH	73920 sm3/day Or 49 MT/Day		0		73920 sm3/day Or 49 MT/Day	
17	Natural gas /FO (15 T boiler)	PH	28800 sm3/da MT/Day	y Or 26 y	0		28800 sm3/day Or 26 MT/Day	
18	Diesel (DG set - 500 KVA x 2 Nos, DG set - 1000 KVA x 2 Nos, DG set - 200 KVA, DG set - 1500 KVA, DG set - 1010 KVA		8000 Lit/day		- 500 KVA x 2 1000 KVA x 2 200 KVA, DG 8000 Lit/day 0 YA, DG set - KVA 0		0	8000 Lit/day
19	Diesel (DG set - 750 K	50 KVA) 250 J		250 Lit/Hr		C	250 Lit/Hr	
20	Coal (Boiler 36 TPH)	166 TPI	D	(0	166 TPD	
21	Coal (Boiler 70 TPH)	320 TPI	D	(0	320 TPD	
22	Natural Gas (NPK pla	nt)	5000 sm3/	/day	0		5000 sm3/day	
23	DG set - 515 KVA (Prop	osed)	0		200 Lit/ Day		200 Lit/ Day	
41.Source	of Fuel		Local / Imported				•	
42.Mode of Transportation of fuel to site		Liquid raw mater GAIL NG pipeline	ial will be tra s	ansported by	road tanker	s & Natural Gas by		



		Total RG area :		106505.81 and periphe 125915.58	106505.81 (K1 - K5, periphery, MIDC main road divider), 3513.03(K6 and periphery), 15896.74 (K7,K8 and periphery) hence total GB area 125915.58 sq.m. (32.65% of plot area)					
		No of trees	s to be cut	Nil	Nil					
43.Gree Develop	n Belt ment	Number of be planted	trees to	Around 970 22220 no. c	0 no. of tree of trees plant	s in and arou ed on degrae	und complex being planted and ded forest land (50 Acre).			
		List of pro native tree	posed es :							
		Timeline for completion of plantation :		Already 222 is more tha	220 no of tre n 90 %.	es planted p	ost EC application and survival rate			
	44.Nu	mber and	l list of t	trees spe	cies to b	e plante	d in the ground			
Serial Number	Name of	the plant	Commo	on Name	Qua	ntity	Characteristics & ecological importance			
1	Kadamba, Karanj, Badam, S Kaduniml Mango, W	ba, Gulmohor, nj, Jambhul, n, Saptparni, .imb, Ashoka, , Wad, Pimpal			97	00	002-			
2	Awala, Ka Kanchan, chinch, s shisam, Ka	iranj,Apta, Nim, Wad, Satawan, shid, Hirda					-			
45	5.Total qua	ntity of plan	its on grou	nd						
46.Nun	ıber and	list of sl	nrubs an	d bushes	s species	to be pla	anted in the podium RG:			
Serial Number		Name		C/C Distance		Area m2				
1	Chafa, Bo oth	ganvel, Bitti er bushes	and							
				47.Eı	nergy					



		Source of power supply :	Inhouse cogenera	ation plant & MSEDCL			
		During Construction Phase: (Demand Load)	Inhouse cogenera	ation plant & MSEDCL			
		DG set as Power back-up during construction phase	Existing DG set				
Dee		During Operation phase (Connected load):	7 MW				
require	wer ement:	During Operation phase (Demand load):	4 MW				
		Transformer:	2 Nos. of 8 MVA,	2 Nos. of 2.5 MVA			
		DG set as Power back-up during operation phase:	515 KVA				
		Fuel used:	Diesel				
		Details of high tension line passing through the plot if any:	-				
		48.Energy savi	ng by non-co	nventional method:			
It is propos	ed to install	200 KW solar energy par	nels.				
		49.Detail	calculations	& % of saving:			
Serial Number	Е	nergy Conservation M	easures	Saving %			
1							
	-	50.Details	of pollution o	control Systems			
Source	Ex	isting pollution contro	ol system	Proposed to be installed			
Air pollution sources	Scrubber	r for process mission, Cyo ESP	clone separator,	flare			
Water pollution sources		ETP, RO		ceramic membranes, resins, bioreactor			
Hazardous waste generation	Dispo	sal to CHWTSDF/ Author	rize recycler	Disposal through authorized recycler			
Budgetary	allocation	Capital cost:					
(Capital O&M	cost and cost):	O & M cost:					
51	.Envire	onmental Mar	nagement	plan Budgetary Allocation			
		a) Constru	ction phase (with Break-up):			
Serial Number	Attri	butes Para	meter	Total Cost per annum (Rs. In Lacs)			
1	Ambie	ent Air As per N	JAAQMS	1.62			
2	No	hise As per M	JAAQMS	AAQMS 0.1			

agent anes			Signature: Name: Dr. Umakant Gangetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 40	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

3	Dust cor sp	ntrol by wa orinking	by water		5				
b) Operation Phase (with Break-up):									
Serial Number	Coi	mponent	Descriptio	n	Capital cost Rs. In Lacs		Dperational and Maintenance cost (Rs. in Lacs/yr)		
1	Air Pollu Mo	tion Contro onitoring	ol & flare		1350)	27		
2	Nois	e Pollution Control	Acoustic DG	set	125		2.5		
3	Wate Control	er Pollution & monitor	ceramic membr ing resins, biorea	ranes, ctor	2600)	52		
4	Solid ar Waste	nd Hazardo manageme	nt Solid and Haza Naste manage	rdous ment	20		1		
5	Gr dev	reen belt relopment	Green belt developmen	t nt	312		40		
6	Occupat	ional Healt Safety	h & fire hydrant sys sensor	stem,	400		10		
7	Other Gr	een Initiat	ives Solar Powe	er	162		2		
8	Other Gr	een Initiat	ives Energy Conserv (LED)	vation	25		1		
51.S	torag	e of c	hemicals (in	flam	able/ex	plosive/	hazardou	s/toxic	
	0	, 	SU	ıbsta	nces)				
					Maximum				
Descrip	otion	Status	Location	Storage Capacity in MT	Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation	
Ammo	nia	Existing	Within plot	16098	13000	50700	Self production / Imported	Tanker	
Ammo	nia	Existing	Within plot	2480	3000	50700	Self production / Imported	Tanker	
DNA	Ą	Existing	Within plot	2 x 2093	2 x 1700	41063	Self production	Tanker	
CNA	ł	Existing	Within plot	3 x 175	3 x 140	0	Self production	Tanker	
CNA	4	Existing	Within plot	2 x 289	2 x 230	0	Self production	Tanker	
Metha	nol	Existing	Within plot	4498	3500	0	Self production	Tanker	
Dhoonhor	cO2	Existing	Within plot	2 X 158	2 X 125	0	Self production	Tanker	
Phosphor	ic acid	Existing	Within plot	2 x 3039	2 x 2430	27700	Imported	Tanker	
Sulphuri		Existing	Within plot	2 x 3000	475	11000	I ocal market	Tanker	
Crude I	DIPE	Existing	Within plot	43	35	0	Self production	Tanker	
Crude I	DIPE	Existing	Within plot	64	50	0	Self production	Tanker	
Crude I	DIPE	Existing	Within plot	45	36	0	Self production	Tanker	
DIPE (10)0 %)	Existing	Within plot	25	20	120	Self production	Tanker	
Propyle	ene	Existing	Within plot	3 x 500	3 x 400	7200	BPCL/GAIL/HPCL	Tanker	
Propa	ne	Existing	Within plot	500	400		Self production	Tanker	
IPA		Existing	Within plot	5000	4000		Self production	Tanker	
Off spec p	roduct	Existing	Within plot	72	56		Self production		
Azeo pro	oduct	Existing	Within plot	72	56		Self production		
Dry Pro	duct	Existing	Within plot	2 x 72	2 x 56		Self production	Tanker	

 Abhay Pimparkar (Secretary SEAC-I)
 SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019
 Page 41 of 102
 Signature: Dr. Umakant Gaugetree Dangat (Chairman SEAC-I)

Phosphoric acid(food grade)	Existing	Within plot		20	16	3	Imported	Tanker			
Dil Phos acid tank	Existing	Within plot		100	80		Self production				
Caustic lye	Existing	Within plot		30	24	120	Local Market	Tanker			
DIPE storage tank (2 Nos)	Proposed	Within plot		2 x 60	2 x 48		Self production	Tanker			
Heavy & light weight storage tanks (2 Nos)	Proposed	Within plot		2 x 60	2 x 48		Self production	Tanker			
IPA offspec storage tank (One No)	Proposed	Within plot		900	720		Self production				
IPA storage tanks (Pharma or specialty grade) (2Nos)	Proposed	Within plot		2 x 260	2 x 200		Self production	Tanker			
Day tank of heavy components(2Nos)	Proposed	Within plot		2 x 12	2 x 10		Self production				
Day tank DIPE (2 Nos)	Proposed	Within plot		2 x 22	2 x 16		Self-production				
		52.A	ny C)ther Ir	nformat	ion					
No Information Availa	able						a V				
		53.	Traf	fic Mar	nageme	nt					
	Nos. o to the design conflu	f the junction main road & of ence:			6	,00	9				
	Numb basem	Number and area of basement:		-							
	Numbo podia:	Number and area of podia:		-							
	Total I	Total Parking area:		38884.7							
	Area p	Area per car:		-							
	Area p	Area per car:									
Parking details:	Number Wheel approve comperation	Number of 2- Wheelers as approved by competent authority:									
	Numbe Wheel approv compe author	Number of 4- Wheelers as approved by competent authority:									
	Public	Transport:									
C	Width roads	of all Internal (m):	Mi. 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								
	Catego schedu Notific	ory as per ile of EIA cation sheet	5 (e)-	- B							

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 42	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	Court cases pending if any				
	Other Relevant Informations				
	Have you previously submitted Application online on MOEF Website.				
	Date of online submission	10-10-2016			
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS			
Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge, PP proposes scrubber to the process vents. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.				
Water Budget	PP submitted water bud at Sr. No 33 of the Cons	get calculations in the EIA report and also indicated water requirement olidated Statement.			
Waste Water Treatment	PP proposes zero liquid discharge effluent treatment for the proposed expansion.				
Drainage pattern of the project	PP considered contour o	n the site while designing the storm water drains.			
Ground water parameters	As per data submitted b site.	y PP ground water parameters are within the prescribed limits at project			
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 36 & 38 of the Consolidated Statement.				
Air Quality & Noise Level issues	As per data submitted b project site.	y PP Air Quality and Noise parameters are within the prescribed limits at			
Energy Management	The electrical demand for proposes a numbers of 2	or proposed project is 4MW which will be supplied by MSEDCL. PP 200 KVA DG Sets.			
Traffic circulation system and risk assessment	PP has indicated in the lay out plan total 36048.97 Sq.m. area for parking and internal roads will be of minimum six meter width along with nine meters of turning radius for smooth circulation of traffic.				
Landscape Plan	PP proposes to provide existing green belt.	33% green belt. PP to provide drip irrigation to the propsoed and			
Disaster management system and risk assessment	PP carried out HAZOP a	nd Risk Assessment and submitted Emergency Plan.			
Socioeconomic impact assessment	PP has carried out socio	economic impact study and included in the EIA report.			
Environmental Management Plan	PP proposed EMP cost of capital cost and Rs. 52.4	f Rs.3937.5 Lakhs during construction phase and Rs. 102 Lakhs as 6 Lakh as O & M cost to maintain environmental parameters.			
Any other issues related to environmental sustainability	Not Applicable				
	Brief informa	tion of the project by SEAC			

agent Aness			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 43	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

PP obtained ToR under category 5(e)B1 of the schedule attached to the EIA Notification,2006 in the 137th meeting of SEAC-I held on 14th to 18th October,2016 for the expansion of manufacturing facility of Iso Propyl Alcohol.

Now PP submitted EIA/EMP reprot for appraisal.

The proposal was considered in the 148th meeting held on 28.02.2018 wherein the proposal was deferred till compliance of following points,

1. PP to submit their plan to achieve Zero Liquid Discharge.

2. The plan of the factory shows there is no space remained for the development of 33% green belt as industry is very old in the MIDC. In view of constrain of the space PP advised to obtain open space from MIDC in the area to develop green belt and submit related documents.

3. PP to reserve 2.5% of the project cost as CSR fund and maintain separate accounts for the same. CSR plan shall be prepared in consultation with the District Authorities.

4. PP to provide solar energy for administrative building and street lights.

5. PP to submit building plan of IPA manufacturing facility along with elevation and dimensions.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit structural stability certificate of the exisitng buillings on site.

2) PP to prepare and implment CER plan in consultation with the District Auhtority as per OM issued by MoEF&CC dated 01.05.2018.

3) PP to include water and carbon foot print in the monitoirng of EMP.

4) PP to ensure completion of Zero Liquid Discharge ETP for proposed expansion before applying for the Consent to Operate.

FINAL RECOMMENDATION

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



159th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 159th (A) - Day-2 Meeting Date February 2, 2019

Subject: Environment Clearance for Proposed expansion of manufacturing of Iso Propyl Alcohol- Petroleum products and petrochemical based processing facility at Plot No K1-K8, MIDC Taloja, Panvel by Deepak Fertilizers and Petrochemicals Corporation Limited

Is a Violation Case: No

1.Name of Project	Proposed expansion of manufacturing of Iso Propyl Alcohol- Petroleum products and petrochemical based processing facility at Plot No K1-K8, MIDC Taloja, Panvel by Deepak Fertilizers and Petrochemicals Corporation Limited				
2.Type of institution	Private				
3.Name of Project Proponent	Deepak Fertilizers and Petrochemicals Corporation Limited				
4.Name of Consultant	Aditya Environmental Services Private Limited				
5.Type of project	Not applicable				
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing project				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes.				
8.Location of the project	Plot No K1-K8, MIDC Taloja, Panvel				
9.Taluka	Panvel				
10.Village	Taloja				
Correspondence Name:	Mr. Deepak Pande				
Room Number:	-				
Floor:					
Building Name:					
Road/Street Name:					
Locality:	-				
City:					
11.Area of the project	MIDC Taloja				
	MIDC approved plot plan				
12.IOD/IOA/Concession/Plan	IOD/IOA/Concession/Plan Approval Number: MIDC approved plot plan				
	Approved Built-up Area: 270889				
13.Note on the initiated work (If applicable)	Expansion within existing project.				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approved plot plan				
15.Total Plot Area (sq. m.)	385584 sq m				
16.Deductions	Not applicable				
17.Net Plot area	Not applicable				
	a) FSI area (sq. m.): Not applicable				
Non-FSI)	b) Non FSI area (sq. m.): Not applicable				
	c) Total BUA area (sq. m.): 14050				
	Approved FSI area (sq. m.): 306399				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): NA				
	Date of Approval: 28-08-2015				
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	8437500000				

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 45 of 102	Signature: Name: Dr. Umakant Gangetrao Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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	2	2.Num	ber of l	ouildin	igs & its conf	iguration
Serial number	Buildin	g Name & 1	number	N	umber of floors	Height of the building (Mtrs)
1	ľ	Not applicabl	e		Not applicable	Not applicable
23.Number tenants an	r of d shops	Not applica	ble			·
24.Number expected r users	r of esidents /	Not applica	ble			
25.Tenant per hectar	density e	Not applica	ble			
26.Height building(s	of the)					
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)						
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation						
29.Existing	g (s) if any	Existing fac	ility is for m	anufacturin	g of Petroleum products	and petrochemical based processing.
30.Details demolition disposal (I applicable	of the with f	Not applica	ble			
			31.P	roduc	tion Details	
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)
1	Liqui	d CO2	72,000	MT/A	0 MT/A	72,000 MT/A
2	Amn	nonia	140,400	0 MT/A	0 MT/A	140,400 MT/A
3	Meth	nanol	99,996	MT/A	0 MT/A	99,996 MT/A
4	Weak N	itric acid	445,500	0 MT/A	0 MT/A	445,500 MT/A
5	Concentra	ated nitric cid	129,600	0 MT/A	0 MT/A	129,600 MT/A
6	Multiple o Fert	Multiple grade NPK Fertilizer 6,		0 MT/A	525000 MT/A	11,25,000 MT/A
7 Technical grade ammonium nitrate" plus ammonium nitrate melt		al grade m nitrate" monium e melt	444,000 MT/A 0 MT/A		0 MT/A	444,000 MT/A
8	Iso propy (II	yl alcohol PA)	70200	MT/A	110000 MT/A	180200 MT/A
9	Electric	c power	9.4	MW	0 MT/A	9.4 MW
10	Ste	am	1,056 N	/T/day	0 MT/A	1,056 MT/day

aggeotometer			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 46	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

0 MT/A

25,000 MT/A

25,000 MT/A

Bentonite sulphur pastilles

11

12	Iso propyl a drum filling (packaging on	alcohol (for g operation operation) ly)	15,000 MT/A		0 MT/A	15,000 MT/A		
13	13 Di iso propyl ether (DIPE) (for drum filling operation (packaging operation) only		15000 MT/A		0 MT/A	15000 MT/A		
14	Gas base generation DG s	ed power (excluding sets)	17.9	MW	0 MT/A	17.9 MW		
15	Propane (E	By product)	33,000) MT/A	15,000 MT/A	48,000 MT/A		
16	Calcium p (By pr	ohosphate oduct)	210	MT/A	0 MT/A	210 MT/A		
17	Crude D proc	DIPE (By luct)	1,440	MT/A	0 MT/A	1,440 MT/A		
18	Di iso pro (DIPE) (By	opyl ether y product)	0 M	IT/A	7000 MT/A	7000 MT/A		
19	Hydroge	n gas (By luct)	960 1	MT/A	0 MT/A	960 MT/A		
20	Crude I mixture (B	PA/NPA by product)	1,080 MT/A		1500 MT/A	2580 MT/A		
		3	2.Tota	l Wate	r Requiremen	t		
		Source of	water	MIDC Taloj	a			
		Fresh wate	er (CMD):	23142 CMI				
		Recycled w Flushing (vater - CMD):	Not applicable				
		Recycled w Gardening	vater - (CMD):	Not applicable				
		Swimming make up (pool Cum):	Not applica	ble			
Dry seasor	Dry season: Total Wat Requirem :		er ent (CMD)	23863 CMI	0 (23142 CMD from MIDO	C and 721 CMD recycle)		
Fir Un tar		Fire fightin Undergrou tank(CMD)	ng - Ind water):	Not applica	ble			
	Fire Over tank Exce		ng - water):	Not applica	ble			
			ated water	Not applica	ble			



		Source of w	ater	Not applicable							
		Fresh water	r (CMD) :	Not applic	Not applicable						
Recycled wate Flushing (CM)			ater - CMD):	Not applic	able						
Recycled water - Gardening (CMD):				Not applic	able						
		Swimming make up (C	pool um):	Not applic	able						
Wet seaso	n:	Total Water Requirements	r nt (CMD)	Not applic	able						
		Fire fightin Undergroun tank(CMD)	g - nd water :	Not applic	cable						
		Fire fightin Overhead w tank(CMD)	g - vater :	Not applic	able		5	Ņ,			
		Excess trea	ted water	Not applic	able						
Details of pool (If an	Swimming y)	Not applicab	le								
		33	3.Detai	ls of Tot	al water o	consume	d				
Particula rs	Const	umption (CM	ID)		Loss (CMD)		Effluent (CMD)				
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic	172	0	172	18.5	0	18.5	153.5	0	153.5		
Industrial Process	2358	480	2838	1188.7	130	1668.7	1169.3	350	1169.3		
Cooling tower & thermopa ck	18813	2040	20853	16004.02	1669	18044.02	2808.98	371	2808.98		
		Level of the water table	Ground								
		Size and no tank(s) and Quantity:	of RWH								
	c V	Location of tank(s):	the RWH	·							
34.Rain V Harvestii	Water ng	Quantity of pits:	recharge								
(RWH)	5	Size of rech :	arge pits								
			allocation	L							
		(Capital cos	st) :								
		(Capital cos Budgetary a (O & M cos	st) : allocation t) :								
		(Capital cos Budgetary a (O & M cos Details of U if any :	st) : allocation t) : JGT tanks	 							

appropringes?			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 48	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	i					
	Natural water drainage pattern:					
drainage	Quantity of storm water:					
	Size of SWD:	Detailed drawing is attached as Annexure 6				
	Sewage generation in KLD:	153.5 cmd				
	STP technology:	Sewage water is used as food to bacteria in bioreactor at ETP.				
Sewage and	Capacity of STP (CMD):					
Waste water	Location & area of the STP:	-				
	Budgetary allocation (Capital cost):	-				
	Budgetary allocation (O & M cost):	-				
	36.Soli	d waste Management				
Waste generation in	Waste generation:	Ready mixed concrete will be used to avoid/minimise civil debris and dust emission. Also soil will be refilled back.				
and Construction phase:	Disposal of the construction waste debris:	Scrap generated will be sold to recycler.				
	Dry waste:					
	Wet waste:					
Waste generation in the operation Phase:	Hazardous waste:	Spent catalyst, Residue and wastes, Discarded containers/liners, Used oil filters (non-metallic), Residues and wastes (silica gel), Date expired, discarded and off specification drugs (Ni Cd batteries), Used/Spent oil, Waste/residue containing oil, Used containers, Spray cans, spent catalyst, Used denoxed catalyst as spent catalyst, ,Used oil filters (nonmetallic), Date expired, discarded and off specification drugs (Dry acid batteries), Date expired, discarded and off specification drugs (Dry				
	Biomedical waste (If applicable):	Soiled waste, Glassware				
	STP Sludge (Dry sludge):					
	Others if any:					
	Dry waste:					
	Wet waste:					
Mada of Dignoral	Hazardous waste:	Hazardous waste will be disposed of to CHWTSDF/ sale to authorized Recycler or Reuser as per Hazardous waste rule 2016.				
of waste:	Biomedical waste (If applicable):	Biomedical waste will be disposed off as per Biomedical waste rule 2016.				
	STP Sludge (Dry sludge):					
	Others if any:					
	Location(s):	Within plot				
Area requirement:	Area for the storage of waste & other material:					
	Area for machinery:					
	-	Signatures				

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 49 of 102	Signature: Name: Dr. Umakant Gangetreo Dang Dr. Umakant Dangat (Chairman SEAC-I)
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

Budgetary allocation		Capital cost:								
(Capital co O&M cost)	ost and):	O & M cos	t:							
	37.Effluent Charecterestics									
Serial Number	erial Parameters Unit		Inlet Effluent Out Charecterestics Cha		Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)			
1	р	Η		4	- 9	6 -	8.5	6 - 8.5		
2	Oil and	grease	mg/lit	2 -	- 3	<	10	< 10		
3	BC	DD	mg/lit	200 -	- 300	< 1	100	< 100		
4	TI	DS	mg/lit	1000	-1500	< 2	100	< 2100		
5	Ammonica	al nitrogen	mg/lit	1800 -	- 2000	<	50	< 50		
6	Nitrate	nitrogen	mg/lit	150	- 200	<	20	< 20		
7	Phos	phate	mg/lit	80-	100	< .	5.0	< 5.0		
8	Free Am nitro	nmonical ogen	mg/lit	100	-150	<	4	< 4		
9	Suspend	ed solids	mg/lit	70 -	- 80	<1	.00	<100		
Amount of (CMD):	effluent gene	eration	4131.78 +	721(from IP.	A expansion)) = 4852.78 (CMD			
Capacity of	the ETP:		4200 CMD				3			
Amount of recycled :	created efflue	ited effluent 721 CMD								
Amount of water send to the CETP: 4131.78 CM				78 CMD						
Membershi	p of CETP (if	f require):	Yes. Unit is	already mer	nber of CET	Ρ.				
Note on ETP technology to be used RO > resins				 Existing: Low TDS effluent stream > Collection tank > Reaction tank > Ammonia stripper > Denitrification reactor I > Sec. clarifier I > Denitrification reactor II > Aeration tank > Sec. clarifier II > Final Polishing tank High TDS effluent stream > RO > Permeate recycle, 2. Proposed: Ceramic based membranes , ion exchange resins followed by bioreactor 						
Disposal of	the ETP sluc	lge	ETP sludge	will be sent	to CHWTSD	F for landfill				
			38.H a	zardous	Waste D	etails				
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Spent o	catalyst	18.1	MT/Y	48.34	210	258.34	Sale to authorized party approved by CPCB/ MPCB		
2	Residue a	nd wastes	31.1	MT/Y	10	115	125	Sale to recycler/ CHWTSDF		
3	Disca	arded ers/liners	33.3	MT/Y	346	0	346	Sale to authorized party for decontamination		
4	Used oil f meta	ilters (non allic)	5.2	No/Y	25	6	31	CHWTSDF		
5	Residues a (silica	and wastes a gel)	31.1	MT/2 years	60 MT/2 years	0	60 MT/2 years	Sale to authorized party / recycler		
6	Date e discarde specificatio Cd bat	xpired, d and off n drugs (Ni tteries)	28.3	once in 5 years	400 No once in 5 years	60 No once in 5 years	460 No once in 5 years	Sale to reuser		
7	Used/ S	pent oil	5.1	KL/Y	130	7	137	Sale to authorized party approved by CPCB/ MPCB		

aggro Brees			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 50	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

8	Waste/ residue containing oil	5.2	MT/Y	10	2	12	CHWTSDF	
9	Used containers	33.3 No/Y		3012	0	3012	CHWTSDF	
10	Spray cans	33.3	33.3 No/Y		200	1100	CHWTSDF	
11	Platinum, Rhodium catalyst as spent catalyst	17.2	17.2 Kg/Y		0	100	CHWTSDF/sale to recycler	
12	Used denoxed catalyst as spent catalyst	17.2	MT/6 years	10	0	10	CHWTSDF/sale to recycler	
13	Used oil filters (nonmetallic)	5.2	No/Y	20	0	20	CHWTSDF	
14	Date expired, discarded and off specification drugs (Lead acid batteries)	28.3	No/Y	34	20	54	Sale to reuser	
15	Date expired, discarded and off specification drugs (Dry cell batteries)	28.3	No/Y	300	50	350	Sale to reuser	
16	Chemical sludge from waste water treatment	35.3	TPM	30	0	30	sent to CHWTSDF	
17	Ion exchange resins	35.2	TPM	0	100	100	sent to CHWTSDF	
		39.S	tacks em	ission D	etails			
Serial Number	Section & units	Fuel Used with Quantity		Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Ammonia Primary reformer (existing)	Natural Gas - 94218.5 sm3/day			30	1.373	170 deg C	
2	Boiler A & B (existing)	Natural ga - 32400 sm MTPI	Natural gas / Naphtha - 32400 sm3/day or 50 MTPD each		30 (common stack)	1	125 deg C	
3	Methanol Primary reformer (Existing)	Natural G sm3	as - 60150 /day		30	1.373	115 deg C	
4	CNA Plant 1 (Existing)		-		42	0.075	25 deg C	
5	CNA Plant 2 (Existing)				42	0.075	25 deg C	
6	CNA Plant 3 (Existing)	-			42	0.075	25 deg C	
7	WNA-I Plants (Existing)				39	0.953	38 deg C	
8	WNA II Plants (Existing)				39	0.953	38 deg C	
9	WNA III Plants (Existing)	-			60	0.953	38 deg C	
10	WNA IV Plants(Existing)	-			52	0.953	130 Deg C	
11	ANP Prilling tower (Existing)				84	1.5	50 Deg C	
12	LDAN Prilling tower (Existing)				84	1.3	50 Deg C	
13	ANP cyclone separator (Existing)				30	1.5	34 Deg C	
14	ANP vacuum pump(Existing)	-			27.8	0.2	35 deg C	
Abhay Pimp SEAC-I)	Abhay Pimparkar (Secretary SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 Page 51 of 102 Signature: Interview Dangat (Chairman SEAC-I)							

15	LDAN ventury scrubber(Existing)		 24.5	1.5	41 deg C
16	Boiler C (Standby) (Existing)	Natural Gas - 12600 sm3/day	 30.5	1	125 Deg C
17	Boiler D (Standby) (Existing)	Natural gas / FO – 54000 sm3/day or 40 MTPD	 63	1	170 Deg C
18	CES - A engine exhaust boiler(Existing)	Natural Gas - 30750 sm3/day	 30.75	1.5	205 deg C
19	CES - B engine exhaust boiler(Existing)	Natural Gas - 30750 sm3/day	 30.75	1.5	205 deg C
20	CO2 liquifier 1 (Existing)		 8	0.025	24 Deg C
21	CO2 liquifier 2 (Existing)		 8	0.025	24 Deg C
22	Stripper 1 (Existing)		 5.1	0.511	-60 Deg C
23	Stripper 2 (Existing)		 5.1	0.511	-60 Deg C
24	Combined (1 Nos) (Existing)		 8	0.075	122 Deg C
25	Turbine - 1 (Existing)	Natural Gas - 37120 sm3/day	 30	1.067	125 Deg C
26	HRSG - 1(Existing)	Natural gas/ Naphtha - 19584 sm3/day or 30 MTPD	30	1.067	125 Deg C
27	Turbine - 2 (Existing)	Natural Gas - 37120 sm3/day	 30	1.067	125 Deg C
28	HRSG - 2 (Existing)	Natural gas/ Naphtha - 19584 sm3/day or 30 MTPD	 30	1.067	125 Deg C
29	Turbine - 3 (Existing)	Natural Gas - 42888 sm3/day	 30	1.5	550 Deg C
30	HRSG - 3 (Existing)		 30	1.5	190 Deg C
31	Turbine - 4 Existing)	Natural Gas - 42888 sm3/day	 30	1.5	550 Deg C
32	HRSG - 4(Existing)		 30	1.5	190 Deg C
33	Turbine - 5 (Existing)	Natural Gas - 45984 sm3/day	 30	1.5	550 Deg C
34	HRSG - 5 (Existing)		 30	1.5	190 Deg C
35	G P Vent (Existing)		 30	0.64	110 Deg C
36	780 weak nitric acid plant(Existing)		 48	1.3	131 deg C
37	600 TPD LDAN prilling towers, dryers(Existing)		 2	1.3	38.5 deg C
38	300 TPD HDAN Scrubber (existing)		 11	1.1	50 Deg C
39	300 TPD HDAN prilling tower(Existing)		 2	1.2	50 Deg C

Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 Page 52 of 102

40	40 TPH boiler (Existing)	Natural gas / FO- 73920 sm3/day or 49 MTPD	 86 (Common stack for 40 TPH and 15 TPH boiler)	1.8	180 Deg C
41	15 TPH boiler(Existing)	Natural gas / FO – 28800 sm3/day or 26 MTPD	 86 (Common stack for 40 TPH and 15 TPH boiler)	1.8	180 Deg C
42	Pastillator 1		 8	0.152	52 Deg C
43	Pastillator 2		 8	0.152	52 Deg C
44	Batch and feed tank(Existing)		 10	0.152	55 Deg C
45	DG set 1 x 500 KVA (Existing)	Diesel	 4.5	0.254	150 Deg C
46	DG set 1 x 500 KVA (existing)	Diesel	 4.5	0.254	112 Deg C
47	DG set - 1000 KVA x 1 No (Existing)	Diesel	 6.5	0.254	183 Deg C
48	DG set - 1000 KVA x 1 Nos (Existing)	Diesel	 6.5	0.254	183 Deg C
49	DG set - 200 KVA (Existing)	Diesel	3	0.152	88 Deg C
50	DG set - 1500 KVA (Existing)	Diesel	 6.5	0.152	170 Deg C
51	DG set - 1010 KVA (Existing)	Diesel	 30	0.152	176 Deg C
52	DG set - 750 KVA (Existing)	Diesel	 6.32	0.203	156 Deg C
53	Process stack 1 (Existing)		 60	2.8	45 Deg C
54	Process stack 2 (Existing)		 60	2.8	45 Deg C
55	Boiler 36 TPH (Existing)	Coal – 166 TPD	 66 (common stack for 36 TPH and 70 TPH boiler)	1.9	140
56	Boiler 70 TPH (Existing)	Coal - 320 TPD	 66 (common stack for 36 TPH and 70 TPH boiler)	1.9	140
57	Flare (NH3) (existing)		 50	0.254	
58	Flare (NH3 storage) (existing)		 40	0.254	
59	Flare (IPA) (Existing)		 66	0.584	
			1	1	3

agent anes			Signature: Name: Dr. Umakan Gangetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 53	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

60	Flare (IPA) (Proposed)						
61	DG set (capacity- 200 KVA) (Proposed)	Die	sel- 200 Lit/ Day		3	0.152	88 Deg C
40.Details of Fuel to be used							
Serial Number	Type of Fuel		Existin	g	Prop	osed	Total
1	Natural gas (Ammon primary reformer)	ia	94218.5 sm	3/day	(0	94218.5 sm3/day
2	Natural gas / naphtha (B A & B)	Boiler	32400 sm3/day o each	r 50 MTPD	(0	32400 sm3/day or 50 MTPD each
3	Natural gas / naphtha (B A & B)	Boiler	32400 sm3/day o each	r 50 MTPD	(0	32400 sm3/day or 50 MTPD each
4	Natural gas (Methan primary reformer)	ol	60150 sm3	/day	(0	60150 sm3/day
5	Natural gas (Boiler standby)	С	12600 sm3	/day	(0	12600 sm3/day
6	Natural gas or FO (Boil standby)	er D	54000 sm3/day o	r 40 MTPD	(54000 sm3/day or 40 MTPD
7	Natural Gas (CES engine)	A	30750 sm3	/day		0	30750 sm3/day
8	Natural Gas (CES - engine)	В	30750 sm3/day		0		30750 sm3/day
9	Natural Gas (Turbine	1)	37120 sm3/day		0		37120 sm3/day
10	Natural gas or naphtha (HRSG 1)		19584 sm3/day or 30 MTPD		0		19584 sm3/day or 30 MTPD
11	Natural Gas (Turbine	2)	37120 sm3	/day	0		37120 sm3/day
12	Natural gas or napht (HRSG 2)	ha	19584 sm3/day or 30 MTPD		0		19584 sm3/day or 30 MTPD
13	Natural Gas (Turbine	3)	42888 sm3/day		0		42888 sm3/day
14	Natural Gas (Turbine	4)	42888 sm3/day		0		42888 sm3/day
15	Natural Gas (Turbine	5)	45984 sm3/day		0		45984 sm3/day
16	Natural gas /FO (40 T boiler)	PH	73920 sm3/day Or 49 MT/Day		0		73920 sm3/day Or 49 MT/Day
17	Natural gas /FO (15 T boiler)	PH	28800 sm3/da MT/Day	y Or 26 y	0		28800 sm3/day Or 26 MT/Day
18	Diesel (DG set - 500 KVA x 2 Nos, DG set - 1000 KVA x 2 Nos, DG set - 200 KVA, DG set - 1500 KVA, DG set - 1010 KVA		8000 Lit/day		0		8000 Lit/day
19	Diesel (DG set - 750 K	Diesel (DG set – 750 KVA) 250 Lit/Hr		250 Lit/Hr		C	250 Lit/Hr
20	Coal (Boiler 36 TPH)	166 TPI	D	(0	166 TPD
21	Coal (Boiler 70 TPH)	320 TPI	D	(0	320 TPD
22	Natural Gas (NPK pla	nt)	5000 sm3/	/day	0		5000 sm3/day
23	DG set - 515 KVA (Prop	osed)	0		200 Lit/ Day		200 Lit/ Day
41.Source	of Fuel		Local / Imported				•
42.Mode of Transportation of fuel to site		Liquid raw mater GAIL NG pipeline	ial will be tra s	ansported by	road tanker	s & Natural Gas by	



		Total RG area :		106505.81 and periphe 125915.58	106505.81 (K1 - K5, periphery, MIDC main road divider), 3513.03(K6 and periphery), 15896.74 (K7,K8 and periphery) hence total GB area 125915.58 sq.m. (32.65 % of plot area)				
		No of trees	s to be cut	Nil	Nil				
43.Gree Develop	n Belt ment	Number of be planted	f trees to	Around 970 22220 no. c	0 no. of tree of trees plant	s in and arou ed on degra	und complex being planted and ded forest land (50 Acre).		
		List of pro native tree	posed es :						
		Timeline for completion of plantation :		Already 222 is more that	220 no of tre n 90 %.	es planted p	ost EC application and survival rate		
	44.Nu	mber and	l list of t	trees spe	cies to b	e plante	d in the ground		
Serial Number	Name of	the plant	Commo	on Name	Qua	ntity	Characteristics & ecological importance		
1	Kadamba, Karanj, Badam, S Kaduniml Mango, W	Kadamba, Gulmohor, Karanj, Jambhul, Badam, Saptparni, Kadunimb, Ashoka, Mango, Wad, Pimpal			97	9700			
2	Awala, Ka Kanchan, chinch, S shisam, Ka	iranj,Apta, Nim, Wad, Satawan, shid, Hirda					-		
45	5.Total qua	ntity of plan	its on grou	nd					
46.Nun	ıber and	list of sl	nrubs an	d bushes	s species	to be pla	anted in the podium RG:		
Serial Number		Name		C/C Distance		Area m2			
1	Chafa, Bo oth	ganvel, Bitti er bushes	and		¥				
				47.Eı	nergy				
	5	C	G						



		Source of power supply :	Inhouse cogenera	ation plant & MSEDCL			
		During Construction Phase: (Demand Load)	Inhouse cogenera	ation plant & MSEDCL			
		DG set as Power back-up during construction phase	Existing DG set				
Dee		During Operation phase (Connected load):	7 MW				
require	ement:	During Operation phase (Demand load):	4 MW				
		Transformer:	2 Nos. of 8 MVA,	2 Nos. of 2.5 MVA			
		DG set as Power back-up during operation phase:	515 KVA				
		Fuel used:	Diesel				
		Details of high tension line passing through the plot if any:					
		48.Energy savi	ng by non-co	nventional method:			
It is propose	ed to install	200 KW solar energy par	nels.				
		49.Detail	calculations	& % of saving:			
Serial Number	Е	nergy Conservation M	easures	Saving %			
1							
		50.Details	of pollution o	control Systems			
Source	Ex	isting pollution contro	ol system	Proposed to be installed			
Air pollution sources	Scrubber	r for process mission, Cy ESP	clone separator,	flare			
Water pollution sources		ETP, RO	ceramic membranes, resins, bioreacto				
Hazardous waste generation	Dispo	sal to CHWTSDF/ Autho	rize recycler	Disposal through authorized recycler			
Budgetary	allocation	Capital cost:					
O&M	cost):	O & M cost:					
51	.Enviro	onmental Mar	nagement	plan Budgetary Allocation			
		a) Constru	ction phase (with Break-up):			
Serial Number	Attri	butes Para	meter	Total Cost per annum (Rs. In Lacs)			
1	Ambie	ent Air As per N	NAAQMS	1.62			
2	Noise As per N		NAAQMS	0.1			

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 56	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

3	Dust con sp	ntrol by wa orinking	ol by water		5				
	b) Operation Phase (with Break-up):								
Serial Number	Component		Descriptio	n	Capital cost Rs. In O Lacs		perational and Maintenance cost (Rs. in Lacs/yr)		
1	Air Pollu Mo	tion Contro onitoring	ol & flare		1350)	27		
2	Nois (e Pollution Control	Acoustic DG	set	125		2.5		
3	Wate Control	er Pollution & monitor	ceramic membr ing resins, biorea	ranes, ctor	2600)	52		
4	Solid an Waste	nd Hazardo manageme	ous Solid and Haza nt Waste manage	rdous ment	20		1	\ \	
5	Gr dev	reen belt relopment	Green belt developmen	t nt	312		40		
6	Occupat	ional Healt Safety	h & fire hydrant sys sensor	stem,	400		10		
7	Other Gr	reen Initiat	ives Solar Powe	er	162		2		
8	Other Gr	reen Initiat	ives Energy Conserv (LED)	vation	25		1		
51.S	torag	e of c	hemicals (in	flama	able/ex	plosive/	hazardou	s/toxic	
	J	•	SU	ıbstar	ices)				
					Maximum				
Descrip	otion	Status	Location	Storage Capacity in MT	Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation	
Ammo	nia	Existing	Within plot	16098	13000	50700	Self production / Imported	Tanker	
Ammo	nia	Existing	Within plot	2480	3000	50700	Self production / Imported	Tanker	
DNA	4	Existing	Within plot	2 x 2093	2 x 1700	41063	Self production	Tanker	
CNA	4	Existing	Within plot	3 x 175	3 x 140	0	Self production	Tanker	
CNA	4	Existing	Within plot	2 x 289	2 x 230	0	Self production	Tanker	
Metha	nol	Existing	Within plot	4498	3500	0	Self production	Tanker	
Dhoophor	c02	Existing	Within plot	2 X 108	2 X 120	0	Self production	Tanker	
Phosphor	ic acid	Existing	Within plot	2 x 3039	2 x 2400	27700	Imported	Tanker	
Sulphuri	c acid	Existing	Within plot	2 x 3000	475	11000	I ocal market	Tanker	
Crude I	DIPE	Existing	Within plot	43	35	0	Self production	Tanker	
Crude I	DIPE	Existing	Within plot	64	50	0	Self production	Tanker	
Crude I	DIPE	Existing	Within plot	45	36	0	Self production	Tanker	
DIPE (10	00 %)	Existing	Within plot	25	20	120	Self production	Tanker	
Propyl	ene	Existing	Within plot	3 x 500	3 x 400	7200	BPCL/GAIL/HPCL	Tanker	
Propa	ine	Existing	Within plot	500	400		Self production	Tanker	
IPA	1	Existing	Within plot	5000	4000		Self production	Tanker	
Off spec p	oroduct	Existing	Within plot	72	56		Self production		
Azeo pro	oduct	Existing	Within plot	72	56		Self production		
Dry Pro	duct	Existing	Within plot	2 x 72	2 x 56		Self production	Tanker	

 Abhay Pimparkar (Secretary SEAC-I)
 SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019
 Page 57 of 102
 Signature: Intervention of 102

Phosphoric acid(food grade)	Existing	Within plot		20	16	3	Imported	Tanker			
Dil Phos acid tank	Existing	Within plot		100	80		Self production				
Caustic lye	Existing	Within plot		30	24	120	Local Market	Tanker			
DIPE storage tank (2 Nos)	Proposed	Within plot		2 x 60	2 x 48		Self production	Tanker			
Heavy & light weight storage tanks (2 Nos)	Proposed	Within plot		2 x 60	2 x 48		Self production	Tanker			
IPA offspec storage tank (One No)	Proposed	Within plot		900	720		Self production				
IPA storage tanks (Pharma or specialty grade) (2Nos)	Proposed	Within plot		2 x 260	2 x 200		Self production	Tanker			
Day tank of heavy components(2Nos)	Proposed	Within plot		2 x 12	2 x 10		Self production				
Day tank DIPE (2 Nos)	Proposed	Within plot		2 x 22	2 x 16		Self-production				
		52.A	ny C)ther Ir	nformat	ion					
No Information Availa	able						a V				
		53.	Traf	fic Mar	nageme	nt					
	Nos. o to the design conflu	f the junction main road & of ence:			6	,00	9				
	Numb basem	Number and area of basement:		-							
	Numbo podia:	Number and area of podia:									
	Total I	Total Parking area:		38884.7							
	Area p	Area per car:		- /							
	Area p	Area per car:									
Parking details:	Number Wheel approve comperation	Number of 2- Wheelers as approved by competent authority:									
	Numbe Wheel approv compe author	Number of 4- Wheelers as approved by competent authority:									
	Public	Transport:									
C	Width roads	of all Internal (m):	Mi. 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								
	Catego schedu Notific	ory as per ile of EIA cation sheet	5 (e)-	- B							

ager of the stor			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 58	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	Court cases pending if any				
	Other Relevant Informations				
	Have you previously submitted Application online on MOEF Website.	Yes			
	Date of online submission	10-10-2016			
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS			
Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge, PP proposes scrubber to the process vents. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.				
Water Budget	PP submitted water bud at Sr. No 33 of the Cons	get calculations in the EIA report and also indicated water requirement olidated Statement.			
Waste Water Treatment	PP proposes zero liquid discharge effluent treatment for the proposed expansion.				
Drainage pattern of the project	PP considered contour on the site while designing the storm water drains.				
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits at project site.				
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 36 & 38 of the Consolidated Statement.				
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.				
Energy Management	The electrical demand for proposes a numbers of 2	The electrical demand for proposed project is 4MW which will be supplied by MSEDCL. PP proposes a numbers of 200 KVA DG Sets.			
Traffic circulation system and risk assessment	PP has indicated in the lay out plan total 36048.97 Sq.m. area for parking and internal roads will be of minimum six meter width along with nine meters of turning radius for smooth circulation of traffic.				
Landscape Plan	PP proposes to provide existing green belt.	33% green belt. PP to provide drip irrigation to the propsoed and			
Disaster management system and risk assessment	PP carried out HAZOP a	nd Risk Assessment and submitted Emergency Plan.			
Socioeconomic impact assessment	PP has carried out socio	economic impact study and included in the EIA report.			
Environmental Management Plan	PP proposed EMP cost of capital cost and Rs. 52.4	f Rs.3937.5 Lakhs during construction phase and Rs. 102 Lakhs as 6 Lakh as O & M cost to maintain environmental parameters.			
Any other issues related to environmental sustainability	Not Applicable				
	Brief informa	tion of the project by SEAC			

age others			Signature: Name: Dr. Umzkant Gangetreo Danget
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 59	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

PP obtained ToR under category 5(e)B1 of the schedule attached to the EIA Notification,2006 in the 137th meeting of SEAC-I held on 14th to 18th October,2016 for the expansion of manufacturing facility of Iso Propyl Alcohol.

Now PP submitted EIA/EMP reprot for appraisal.

The proposal was considered in the 148th meeting held on 28.02.2018 wherein the proposal was deferred till compliance of following points,

1. PP to submit their plan to achieve Zero Liquid Discharge.

2. The plan of the factory shows there is no space remained for the development of 33% green belt as industry is very old in the MIDC. In view of constrain of the space PP advised to obtain open space from MIDC in the area to develop green belt and submit related documents.

3. PP to reserve 2.5% of the project cost as CSR fund and maintain separate accounts for the same. CSR plan shall be prepared in consultation with the District Authorities.

4. PP to provide solar energy for administrative building and street lights.

5. PP to submit building plan of IPA manufacturing facility along with elevation and dimensions.

Now PP submitted the compliance.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit structural stability certificate of the exisitng buildings on site.

2) PP to prepare and implment CER plan in consultation with the District Auhtority as per OM issued by MoEF&CC dated 01.05.2018.

3) PP to include water and carbon foot print in the monitoirng of EMP.

4) PP to ensure completion of Zero Liquid Discharge ETP for proposed expansion before applying for the Consent to Operate.



FINAL RECOMMENDATION

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

Abhay Pimparkar (Secretary
SEAC-I)SEAC Meeting No: 159th (A) - Day-2 Meeting
Date: February 2, 2019Page 61
of 102Signature:
Name: Dr. Umakant Galgetzeo Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)

159th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 159th (A) - Day-2 Meeting Date February 2, 2019

Subject: Environment Clearance for Existing 3 additional above ground tanks for the storage capacity of 1 x 2,929 KL HSD & 1 x 2,933 KL HSD & 1x 1,347 KL MS at IOCL Akola Depot, Maharashtra.

Is a Violation Case: Yes							
1.Name of Project	Environmental Clearance for existing 3 additional above ground tanks for the storage of 1 x 2929 KL HSD & 1 x 2933 KL HSD & 1 x 1347 KL MS at IOCL Akola depot by Indian oil corporation limited						
2.Type of institution	Semi Government						
3.Name of Project Proponent	Mr. Ramesh Kasbekar						
4.Name of Consultant	ABC Techno labs India Private Limited , Corporate Office: ABC TOWER No. 400 , 13th Street, SIDCO Industrial Estate- North Phase , Ambattur Chennai – 600 098 Tamil Nadu, India., Mumbai Office: A-355, Balaji Bhavan, Plot No. 42 A, Sector 11, CBD Belapur, Navi Mumbai – 400614. Maharashtra, India, Tel: 022 27580044						
5.Type of project	Not applicable						
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion						
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance not applicable as Tankages Constructed before EIA Notification 2006.						
8.Location of the project	At Survey no. 295,296, 298, 299, 300, 301, 310, 311, 744, 745, 476						
9.Taluka	Balapur						
10.Village	Gaigaon						
Correspondence Name:	Indian Oil Corporation Limited (IOCL)						
Room Number:							
Floor:							
Building Name:	-						
Road/Street Name:							
Locality:	Village						
City:	Akola						
11.Area of the project	Gaigaon Gram Panchyat, Tehsil Balapur, District Akola, Maharashtra - 444109.						
12 IOD/IOA/Companyion/Diam	NA						
Approval Number	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)	NA						
15.Total Plot Area (sq. m.)	1,87,500 Sq.m						
16.Deductions	Not applicable						
17.Net Plot area	Not applicable						
18 (a) Proposed Built-up Area (FSI &	a) FSI area (sq. m.): Not applicable						
Non-FSI)	b) Non FSI area (sq. m.): Not applicable						
	c) Total BUA area (sq. m.):						
18 (b) Approved Built up area as per	Approved FSI area (sq. m.): Not applicable						
DCR	Approved Non FSI area (sq. m.): Not applicable						
	Date of Approval: 06-12-2018						
19.Total ground coverage (m2)	Not applicable						
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable						
21.Estimated cost of the project	39300000						

1 - ano theres			Signature:
CEGY -			Name: Dr. Umakant Gångetrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 62	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)
-		-	, ,

	22.Number of buildings & its configuration									
Serial number	Buildin	ig Name & i	number	Nu	mber of floors	Height of the building (Mtrs)				
1	1	Not applicabl	е	Ν	lot applicable	Not applicable				
23.Number tenants an	Imber of ats and shops Not applicable									
24.Number expected r users	r of esidents /	Not applica	ble							
25.Tenant per hectar	density e	Not applica	ble							
26.Height building(s)	of the									
27.Right o (Width of t from the n station to t proposed b	t of way of the road e nearest fire to the ed building(s)									
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation										
29.Existing structure	J s) if any	Not applica	ble		S					
30.Details demolition disposal (I applicable	of the with f	Not applica	ble							
			31.P	roduct	ion Details					
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)				
1	H	SD	2 X 1954 2953	KL & 1 X 3 KL	1 X 2929 KL & 1 X 2933 KL	12723 KL				
2	M	IS	2 X 282 KL K	& 1 X 1100 L	1 X 1347 KL	3011 KL				
3	SI	KO	1 X 1951 1954	KL & 1 X 4 KL		3905 KL				
4	ETHA	ANOL	1 X 50 KL 8	& 1 X 70 KL		120 KL				
	32.Total Water Requirement									



		Source of wa	ter	Bore well							
		Fresh water	(CMD):	5							
		Recycled wat Flushing (CM	er - 1D):	Not applicab	ole						
		Recycled wat Gardening (C	er - CMD):	2							
		Swimming po make up (Cu	ool m):	Not applicab	ole						
Dry season:		Total Water Requirement :	(CMD)	5							
		Fire fighting Underground tank(CMD):	- I water	Not applicab	ble						
		Fire fighting Overhead wa tank(CMD):	- ter	Not applicab	ble			Ò,			
		Excess treate	ed water	Not applicab	ole						
		Source of wa	ter	Not applicab	ole						
		Fresh water	(CMD):	Not applicab	ole						
		Recycled water - Flushing (CMD):		Not applicable							
		Recycled wat Gardening (C	er - CMD):	Not applicab	ole						
		Swimming po make up (Cu	ool m):	Not applicab	ble						
Wet seaso	n:	Total Water Requirement (CMD) :		Not applicat	ble						
		Fire fighting Underground tank(CMD):	- I water	Not applicable							
		Fire fighting Overhead wa tank(CMD):	ter	Not applicable							
		Excess treate	ed water	Not applicable							
Details of pool (If an	Swimming y)	Not applicable)								
		33.	.Detail	s of Total	water co	nsume	dl				
Particula rs	Cons	umption (CM	D)	I	loss (CMD)		Eff	luent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic	3	0	3		0		25		2.5		
Gardening	2	0	0								

	Level of the Ground water table:	
	Size and no of RWH tank(s) and Quantity:	
	Location of the RWH tank(s):	Within plant only
34.Rain Water Harvesting	Quantity of recharge pits:	Nil
(RWH)	Size of recharge pits :	192 KL
	Budgetary allocation (Capital cost) :	0.2 lakhs
	Budgetary allocation (O & M cost) :	2.4 lakhs
	Details of UGT tanks if any :	-
	Natural water drainage pattern:	-
35.Storm water drainage	Quantity of storm water:	-
	Size of SWD:	-
	I	
	Sewage generation in KLD:	2.5
	STP technology:	Domestic sewage generated onsite is currently treated in septic tank and disposed off through soak pit.
Sewage and	Capacity of STP (CMD):	0
Waste water	Location & area of the STP:	Nif
	Budgetary allocation (Capital cost):	0
	Budgetary allocation (O & M cost):	0
	36.Solie	d waste Management
Waste generation in	Waste generation:	
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	
	Dry waste:	33.5 kg(0.5kg/person/day)
	Wet waste:	
Wasto generation	Hazardous waste:	
in the operation Phase:	Biomedical waste (If applicable):	
- 11007	STP Sludge (Dry sludge):	
	Others if any:	

Abhay Pimparkar (Secretary SEAC D	ay-2 Meeting Page 65	Signature: Anno Dangat Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat
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		Dry waster			Solid waste is being handed over to authorized recycler						
		Wot waste									
		Hazardous	waet								
Mode of of waste:	Disposal	Biomedica	l wast	e (If							
		STP Sludg sludge):	e (Dry	7							
		Others if a	ny:								
		Location(s):		NA						
Area requirem	ent:	Area for th of waste & material:	e stor other	rage r NA							
		Area for m	achin	ery:	NA						
Budgetary	allocation	Capital cos	st:		0						
(Capital co O&M cost)	ost and :	O & M cos	t:		0						
			3	7.Ef	fluent C	hare	cter	estics			
Serial				•••	Inlet E	Effluen	t	Outlet	Effluer	nt	Effluent discharge
Number	Paran	neters	Ur	nit	Charect	teresti	CS	Charect	eresti	C S	standards (MPCB)
1	N	IA	N	A	Ν	JA		N	A		NA
Amount of e (CMD):	effluent gene	eration	0								
Capacity of	the ETP:		0			6					
Amount of t recycled :	reated efflue	ent	0				9				
Amount of v	water send to	o the CETP:	ΝA								
Membershi	p of CETP (if	f require):	NA			Y					
Note on ET	P technology	to be used	NA		ΔY						
Disposal of	the ETP sluc	lge	NA								
			3	8.Ha	zardous	Was	te D	etails	_		
Serial Number	Descr	iption	Ci	at	UOM	Exis	ting	Proposed	Tot	al	Method of Disposal
1	Used S	pent oil	3.	1			-				
			3	9.S 1	tacks em	issio	n Do	etails			
Serial Number	Section	& units	Fı	ıel Us Qua	ed with ntity	Stack	« No.	Height from ground level (m)	Inter diamo (m	rnal eter .)	Temp. of Exhaust Gases
1	DG	set		H	SD	1		5.5			
2	Fire e	ngines		H	SD	1		3.5			
			4().De	tails of H	Fuel	to be	e used			
Serial Number	Тур	e of Fuel			Existing			Proposed			Total
1	HSI	D (DG set)					40 li	tr/hrs at full	load	4	0 ltr/hrs at full load
2	HSD (1	Fire engines))				40 li	tr/hrs at full	load	4	0 ltr/hrs at full load
41.Source of	of Fuel			Near	by market						
42.Mode of Transportation of fuel to site by roa					oad						

approver and the			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 66	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

		Total RG a	rea :	6	51,875.0 sq.	m		
		No of trees	to be	cut 0)			
43.Gree	n Belt	Number of be planted	trees t	to 2	00			
Develop	ment	List of prop native tree	posed s :		-			
		Timeline for completion of plantation :			-			
	44.Nu	mber and	llist	of tre	ees spec	cies to b	e plante	d in the ground
Serial Number	Name of	the plant	Cor	nmon	Name	Qua	ntity	Characteristics & ecological importance
1	-							
45	.Total qua	ntity of plan	ts on g	jround	l			<u>A</u>
46.Num	ber and	list of sh	nrubs	and	bushes	species	to be pla	anted in the podium RG:
Serial Number		Name			C/C Dista	nce		Area m2
1		N A			NA			NA
					47. En	ergy		
		Source of power supply :		Ν	ISEDCL		9	
		During Construction Phase: (Demand Load)		tion 				
		DG set as Power back-up during construction phase		se				
		During Operation phase (Connected load):		n d 4	.00 KW			
require	ver ement:	During Ope phase (Der load):	eration nand	4	.00 KW			
		Transform	er:					
		DG set as I back-up du operation j	Power Iring phase:	2	2 * 250 KVA			
	5	Fuel used:		H	ISD			
		Details of l tension lin through th any:	high e passi e plot i	ing if				
		48.Ene	rgy s	aving	g by nor	n-convei	ntional m	ethod:
All light fixt	ures in adm	in building, c	ontrol r	room, c	customer ca	re room, et	c are replace	ed with LED lights. However,

proposal for replacement of lights of High mast, street lamps and other lights with LED lights in field area is in process for approval at State Office.

49.Detail calculations & % of saving:

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 67 of 102	Signature: Name: Dr. Umakant Gaugetzeo Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Serial Number	Energy Conservation Measures					Saving %				
1										
		50	.Details	of pol	lution o	ontrol S	ystems			
Source	Ex	isting pollu	ution contro	l syster	n		Proposed to	be install	ed	
Budgetary	allocation	Capital co	st:							
O&M	cost):	0 & M cos	st:							
51	51.Environmental Management plan Budgetary Allocation									
		a)	Construc	ction	phase (with Bre	ak-up):			
Serial Number	Attri	butes	Parar	neter		Total (Cost per annu	m (Rs. In I	Lacs)	
1	-		-	-						
		b) Operat	ion P	hase (w	ith Breal	k-up):			
Serial Number	Comp	onent	Descr	iption	Cap	ital cost Rs Lacs	. In Opera c	tional and ost (Rs. in	Maintenance Lacs/yr)	
1	Air po	llution	Air polluti and mo	on conti nitoring	rol	0.25			3	
2	Water p	ollution	Water p manag	ollution		0.1 1.2				
3	Noise p	ollution	Noise Pollu	tion con	trol	0.56 6.72				
4	Gree developn water ha wate: manag	n belt nent, rain rvesting, rshed jement	Green developm water ha waten manag	n belt nent, rai rvesting rshed rement	n fi	0.2		2.4		
51.S	torage	of che	micals	(infl	amab	le/expl	osive/ha	zardou	s/toxic	
				sub	stance	es)				
Description Status			Location C		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	
N A	4	N A	N A		N A	N A	N A	N A	N A	
	6		52.A	ny Ot	her Info	ormation	l			
No Informa	tion Availabl	le								
			53.	Traffi	c Mana	gement				
	Nos. of the junction to the main road & design of confluence:									

age of the sig			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 68	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	Number and area of basement:	
	Number and area of podia:	
	Total Parking area:	6250 sq.m
	Area per car:	
	Area per car:	
Parking details:	Number of 2- Wheelers as approved by competent authority:	
	Number of 4- Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (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	Category B as per schedule of EIA Notification 2006.With reference to OM dated 15th March 2018, regarding implementation of Notification S.O.1030 (E) dated 8th March 2018, Now all category B (VIolation) projects has been considered by respective SEAC .
	Court cases pending if any	No
	Other Relevant Informations	As per EIA Notification S.O. No 1533 issued on 14th September, 2006 and its subsequent amendments, additional 3 tanks at IOCL Akola depot is falling under Schedule 6(b) – Isolated storage & handling of hazardous chemicals and 'Category B'. But Three tanks were already constructed so said project treated as category A. Hence, this project has been approved and prepared based on the Terms of Reference approved during 4th Meeting of from Expert appraisal committee (EAC) held on 19th February, 2018 for additional 3 tanks at IOCL Akola depot. Now With reference to OM dated 15th March 2018, regarding implementation of Notification S.O.1030 (E) dated 8th March 2018, all category B (Violation) projects has been considered by respective SEAC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-05-2017
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS
Environmental Impacts of the project	Not Applicable	

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 69 of 102	Signature: Name: Dr. Umakant Gappetreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

PP has obtianed ToR from EAC , MoEF&CC in their 4th meeting held on 19th February, 2018 for additional 3 tanks at IOCL, Akola Dpeot under violation cateogry as per notification issue dby MoEF&CC dated 8th March, 2018

DECISION OF SEAC

During deliberations with the PP and their accredited consultant, it was aobservd that, PP has neither carried out ecological damage assessment nor prepared remediation and natural and community resource augmentation plan as required under notifications issued by MoEF&CC dated 08.03.2018, 15.03.2018 & 16.03.2018.

Hence, SEAC-1 decided to defer the proposal till PP submits revised EIA /EMP report including above mentioned details.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

 $\ensuremath{\mathsf{SEAC}}\xspace{-}\ensuremath{\mathsf{I}}$ decided to defer the proposal. Kindly find $\ensuremath{\mathsf{SEAC}}\xspace$ decision above.

Abhay Pimparkar (Secretary
SEAC-I)SEAC Meeting No: 159th (A) - Day-2 Meeting
Date: February 2, 2019Page 70
of 102Signature:
Name: Dr. Umakant Gaugetree Dangat
(Chairman SEAC-I)

159th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 159th (A) - Day-2 Meeting Date February 2, 2019

Subject: Environment Clearance for constructed 3 additional tanks for storage of 1 x 2,984 KL MS , 1 x 4,160 KL HSD and 1 x 50 KL Ethanol at IOCL Pune Terminal, Kadam Wak Wasti, Loni Kalbhor, Tal. Haveli, PuneSolapur Road, Pune District 412201, Maharashtra.

Is a Violation Case: Yes			
1.Name of Project	Environmental Clearance for constructed 3 additional tanks for storage of 1 x 2,984 KL MS , 1 x 4,160 KL HSD and 1 x 50 KL Ethanol at IOCL Pune Terminal, Kadam Wak Wasti, Loni Kalbhor, Tal. Haveli, PuneSolapur Road, Pune District 412201, Maharashtra.		
2.Type of institution	Semi Government		
3.Name of Project Proponent	Mr. Ramesh Kasbekar		
4.Name of Consultant	ABC Techno Labs India Pvt. Ltd. Corporate Office: ABC TOWER No. 400, 13th Street, SIDCO Industrial Estate- North Phase, Ambattur Chennai – 600 098,Tamil Nadu, India, Branch Office Mumbai : A-355, Balaji Bhavan, Plot No. 42 A, Sector 11, CBD Belapur, Navi Mumbai – 400614. Maharashtra, India, Tel: 022 27580044		
5.Type of project	Not applicable		
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion		
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NO		
8.Location of the project	181 to 198,179 A.B.,180,1133,1134,1135,198,201		
9.Taluka	Haveli		
10.Village	Loni Kalbhor		
Correspondence Name:	Indian Oil Corporation Limited		
Room Number:			
Floor:			
Building Name:	Pune Terminal, Indian Oil Corporation Ltd		
Road/Street Name:	Kadam Vak Vasti, Pune Solapur Highway		
Locality:	Loni Kalbhor		
City:	Pune		
11.Area of the project	Kadam Vak Vasti-Grampanchayat		
12 IOD/IOA/Concession/Plan	NA		
Approval Number	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)	NA		
15.Total Plot Area (sq. m.)	1,07,192 Sq. M		
16.Deductions	Not applicable		
17.Net Plot area	Not applicable		
10 (a) Duran and Durits and Area (ECL C	a) FSI area (sq. m.): Not applicable		
Non-FSI)	b) Non FSI area (sq. m.): Not applicable		
	c) Total BUA area (sq. m.):		
10 (b) American d Davits and a second	Approved FSI area (sq. m.): Not applicable		
DCR	Approved Non FSI area (sq. m.): Not applicable		
	Date of Approval: 10-12-2018		
19.Total ground coverage (m2)	Not applicable		
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable		

approximeting			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 71	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

21.Estimate	d cost of the	project	39300000			
22.Number of buildings & its configuration						
Serial number	Buildin	ıg Name & ı	umber	Nu	mber of floors	Height of the building (Mtrs)
1	1	Not applicabl	e	1	Not applicable	Not applicable
23.Number tenants an	r of d shops	s Not applicable				
24.Number of expected residents / Not applicable users						
25.Tenant per hectar	density e	Not applicable				
26.Height building(s)	of the)					
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)		0				0022
28.Turning for easy ac fire tender movement around the excluding for the pla	28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation					
29.Existing structure	Existing ucture (s) if any Not applicable					
30.Details demolition disposal (I applicable	Details of the nolition with posal (If plicable) Not applicable					
31.Production Details						
Serial Number	Serial Produ Number		Existing	(MT/M)	Proposed (MT/M)) Total (MT/M)
1	HSD		18,53	36 KL	4, 160 KL	22,696 KL
2	MS		406	8 KL	2,984 KL	7052 KL
3	3 Ethanol		200	KL	50 KL	250 KL
32.Total Water Requirement						

2.10tal water Kequirement


		Source of wa	ter	Borewell								
		Fresh water	(CMD):	13								
		Recycled wat Flushing (CM	er - 1D):	Not applicable								
		Recycled wat Gardening (C	er - CMD):	3								
		Swimming po make up (Cu	ool m):	Not applicable								
Dry season	1:	Total Water Requirement :	: (CMD)	13								
		Fire fighting Underground tank(CMD):	- l water	Not applicab	le							
		Fire fighting Overhead wa tank(CMD):	- ter	Not Applicable								
Excess treated wate			ed water	Not applicab	le							
		Source of wa	ter	Not applicab	le							
		Fresh water	(CMD):	Not applicable								
		Recycled wat Flushing (CM	er - 1D):	Not applicable								
		Recycled wat Gardening (C	er - CMD):	Not applicable								
		Swimming po make up (Cu	ool m):	Not applicable								
Wet seaso	n:	Total Water Requirement :	: (CMD)	Not applicable								
		Fire fighting Underground tank(CMD):	- l water	Not applicable								
		Fire fighting Overhead wa tank(CMD):	ter	Not applicable								
Excess treated water				Not applicable								
Details of Swimming pool (If any)Not applicable												
33.Details of Total water consumed												
Particula rs	Cons	sumption (CM	D)	L	oss (CMD)		Eff	luent (CMD)				
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total			
Domestic	10	0	10	8.8	0	8.8	1.2	0	1.2			

	Level of the Ground water table:			
	Size and no of RWH tank(s) and Quantity:			
	Location of the RWH tank(s):			
34.Rain Water Harvesting	Quantity of recharge pits:	6		
(RWH)	Size of recharge pits :	2 ft X 2ft		
	Budgetary allocation (Capital cost) :	10 Lakhs		
	Budgetary allocation (O & M cost) :	3 Lakhs		
	Details of UGT tanks if any :	NA		
	Natural water drainage pattern:	-		
35.Storm water drainage	Quantity of storm water:	-		
	Size of SWD:	-		
	Sewage generation in KLD:	1.2		
	STP technology:	Seawage will be disposed in soak pit		
Sewage and	Capacity of STP (CMD):	NA		
Waste water	Location & area of the STP:	NA		
	Budgetary allocation (Capital cost):	NA		
	Budgetary allocation (O & M cost):	NA		
36.Solid waste Management				
Waste generation in	Waste generation:			
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	-		
	Dry waste:	12 kg/day		
	Wet waste:	18 kg/day		
	Hazardous waste:			
waste generation in the operation Phase:	Biomedical waste (If applicable):			
I HUGO	STP Sludge (Dry sludge):			
	Others if any:			

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Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 74	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

		Dry waste:		It will be h	It will be handed over to authorized recycler					
		Wet waste		Through Co	Through Composting					
		Hazardous waste:		Negligible	Negligible					
Mode of Disposal of waste:		Biomedica applicable	l waste (I):	f						
		STP Sludg sludge):	e (Dry							
		Others if a	ny:	y:						
		Location(s):	NA						
Area requirem	ent:	Area for the storage of waste & other material:		NA						
		Area for m	achinery:	NA						
Budgetary	allocation	Capital cos	st:	NA						
(Capital co O&M cost)	st and	O & M cos	t:	NA						
			37.E	Effluent C	harecte	restics				
Serial Number	Paran	neters	Unit	Inlet H Charec	Effluent terestics	Outlet Charec	Effluent terestics	Effluent discharge standards (MPCB)		
1	N	ſΑ	NA	ľ	JA	Ν	JA	NA		
Amount of effluent generation 0										
Capacity of the ETP: 0										
Amount of t recycled :	reated efflue	ent	0							
Amount of v	vater send to	o the CETP:	NA							
Membershi	p of CETP (if	f require):	NA		Y					
Note on ET	P technology	v to be used	NA							
Disposal of	the ETP sluc	lge	NA							
			38.H	lazardous	Waste 1	Details				
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Used S	pent oil	3.1	lit	Negigible	0	Negligible			
			39.5	Stacks em	ission D	etails				
Serial Number	Section	Section & units Fuel Us Qua		Jsed with antity	ed with ntity Stack No.		Internal diameter (m)	Temp. of Exhaust Gases		
1	DG	Set	I	HSD	1	6				
2	DG	set	set HS		1	6				
3	Fire E	ngines	I	HSD	1	6				
4	Fire E	Engines HS		HSD	1	6				
5	Fire E	ngines	I	HSD	1	6				
			40.D	etails of l	Fuel to b	e used				
Serial Number	Тур	e of Fuel		Existing		Proposed		Total		
1		HSD		15 lit/hr		0		15 lit/hr		

2-00 marss			Signature:
CC67			Name: Dr. Umakant Gångatrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 75	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

41.Source of Fuel H				HPCL Terminal (OMC)					
42.Mode of Transportation of fuel to site P			site Pip	ipeline					
		Total RG ar	ea :	41,477 Sq. 1	M.				
		No of trees :	to be cu	It NIL					
43.Gree	n Belt	Number of the planted at	trees to	0					
Develop	ment	List of prop native trees	osed	NIL					
		Timeline for completion of plantation :		NA					
	44.Nu	mber and	list of	f trees spe	cies to k	oe plante	ed in the ground		
Serial Number	Name of	the plant	Comn	non Name	Qua	antity	Characteristics & ecological importance		
1	-						-		
45	.Total qua	ntity of plant	s on gro	ound		6			
46.Num	ber and	list of sh	rubs a	nd bushes	species	s to be pl	lanted in the podium RG:		
Serial Number		Name		C/C Dista	nce		Area m2		
1 NA			NA			NA			
47.Energy									
		Source of post supply :	ower	MSEDCL					
		During Construction Phase: (Demand Load)		n					
		DG set as Power back-up during construction phase							
D		During Operation phase (Connected load):		500 KvA					
require	ement:	During Operation phase (Demand load):		500 KvA					
		Transforme	r:						
5		DG set as Po back-up dur operation p	ower ring hase:	2 X 320					
		Fuel used:		HSD					
		Details of high tension line passing through the plot if any:		J					
48.Energy saving				ving by nor	1-conve	ntional n	nethod:		
All light fixt proposal for for approva	All light fixtures in admin building, control room, customer care room, etc are replaced with LED lights. However, proposal for replacement of lights of High mast, street lamps and other lights with LED lights in field area is in process for approval at State Office								
approver and						Signature:			

SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019

Abhay Pimparkar (Secretary SEAC-I) Page 76 of 102 Name: Dr. Umakant Gangetreo Dangat (Chairman SEAC-I)

		4	9.Detail	calcu	lations	6 6	x % of sa	aving:			
Serial Number	Е	nergy Cons	ervation Me	easures				Sa	ving %		
1											
		50	.Details	of pol	lution	С	ontrol S	ystems			
Source	Ex	isting pollu	ition contro	l systen	n			Proposed	to be insta	alle	ed
		1									
Budgetary	allocation	Capital co	st:								
O&M	cost):	0 & M cos	st:								
51	51.Environmental Management plan Budgetary Allocation										
		a)	Construc	ction]	phase	(พ	vith Bre	ak-up):			
Serial Number	Attri	butes	Parar	neter			Total (Cost per an	um (Rs. I	n L	acs)
1	-	-	-	-				-			
		b) Operati	ion Pl	hase (v	vi	th Breal	k-up):			
Serial Number	Comp	onent	Descr	iption	Ca	pi	tal cost Rs Lacs	. In Ope	rational aı cost (Rs.	ıd in	Maintenance Lacs/yr)
1	Gree	n Belt	Belt Green Belt / Horticulture			25			5		
2	Rain Water	Harvesting	Rain Water	Harvest	ting	10			3		
3	Water F	ollution	Water ma	management		5			1		
4	Sina	ages	Signage's	age's for EMP		2			0.5		
5	Solid Manag	Waste Jement	Municipal Waste Management			2.5			0.5		
6	Noise P	ollution	Noise Control Measures			1.0			0.3		
7	Enviro Moni	onment toring	Environment Monitoring						5.0		
8	Training &	Awareness	Enviror Awaren Trai	Environmental Awareness and Training		3.0		1	.5		
51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)											
Descri	Description Status		Location	Location		e y	Maximum Quantity of Storage at any point of time in MT	Consumptio / Month in MT	on Source Supply	of	Means of transportation
NA NA NA NA NA NA NA											
			52.A	ny Ot	her In	fo	rmation	1			
No Informa	tion Availab	le									
			53.	Traffi	c Man	ag	jement				
_											



	Nos. of the junction to the main road & design of confluence:	
	Number and area of basement:	
	Number and area of podia:	
	Total Parking area:	144 Sq. m
	Area per car:	
	Area per car:	
Parking details:	Number of 2- Wheelers as approved by competent authority:	-
	Number of 4- Wheelers as approved by competent authority:	
	Public Transport:	-
	Width of all Internal roads (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	B As per the Schedule of EIA notification 2006, with reference to OM dated 15th March 2018, regarding implementation of notification S.O. 1030 (E) dated 8th March 2018, now all category B (Violation) projects has been considered by respective SEAC
	Court cases pending if any	No
Other Relevant Informations		As per EIA Notification S.O. No 1533 issued on 14th September, 2006 and its subsequent amendments, additional 3 tanks at IOCL Pune terminal is falling under Schedule 6(b) – Isolated storage & handling of hazardous chemicals and 'Category B'. But Three tanks were already constructed and treated as category A. Hence, this project has been approved and prepared based on the Terms of Reference approved during 4th Meeting of from Expert appraisal committee (EAC) held on 19th February, 2018 for additional 3 tanks at IOCL Pune terminal. Now, with reference to OM dated 15th March 2018, regarding implementation of Notification S.O. 1030 (E) dated 8th March, now all category B (violation) projects has been considered by respective SEAC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-05-2017
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS
1 - on others	-	Signature:

Clope -	
Abhay Pimparkar (Secreta	ry
SEAC-I)	

	Name: Dr. Untakant Gangatra	o Dangat
Page 78 of 102	Dr. Umakant Dangat (Chairman SEAC-I)	t

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

Brief information of the project by SEAC

PP has obtianed ToR from EAC, MoEF&CC in their 4th meeting held on 19th February, 2018 for additional 3 tanks at IOCL, Akola Dpeot under violation cateogry as per notification issue dby MoEF&CC dated 8th March, 2018

DECISION OF SEAC

During deliberations with the PP and their accredited consultant it was aobserved that PP has not carried out ecological damage assessment and not prepared remediation and natural and community resource augmentation plan as required under notifications issued by MoEF&CC dated 08.03.2018, 15.03.2018 & 16.03.2018.

Hence SEAC-1 decided to defer the proposal till PP submits revised EIA /EMP report including above mentioned details.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

agentimest			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 79	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

159th (A) Meeting	g of State Level Expert Appraisal Committee (SEAC-1)
SEAC Meeting 1	number: 159th (A) - Day-2 Meeting Date February 2, 2019
Subject: Environment Clearance fo	r CRZ clearance for work of Anti-sea Erosion bunds at 12 sites in Sindhudurg district
Is a Violation Case: No	
1.Name of Project	CRZ clearance for work of Anti-sea Erosion bunds at 12 sites in Sindhudurg district
2.Type of institution	Government
3.Name of Project Proponent	Harbour Engineering Division Sindhudurg
4.Name of Consultant	Tarracon Ecotech Pvt. Ltd.
5.Type of project	NA
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	Hindale,Waniwade Sarwankarwadi, Masurkar Juva bet , Masurkar Khot Juva, Deobag to Tarkarli,Bagmalagoan, Sagareshwar Kurlewadi,
9.Taluka	Devgad, Malvan, Vengurla
10.Village	Hindale,Waniwade Sarwankarwadi, Masurkar Juva bet , Masurkar Khot Juva, Deobag to Tarkarli,Bagmalagoan, Sagareshwar Kurlewadi,
Correspondence Name:	B. A. Shinde
Room Number:	IInd Floor, 'C' Block
Floor:	IInd Floor, 'C' Block
Building Name:	Administrative Building
Road/Street Name:	Kudal ,Sindhudurgnagari
Locality:	Kudal ,Sindhudurgnagari
City:	Kudal ,Sindhudurgnagari
11.Area of the project	Municipal
	NA
12.IOD/IOA/Concession/Plan	IOD/IOA/Concession/Plan Approval Number: NA
Approval Number	Approved Built-up Area: 4376
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.)	NA
16.Deductions	NA
17.Net Plot area	NA
	a) FSI area (sq. m.): NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 4376
Ť	Approved FSI area (sq. m.): NA
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): NA
DOR	Date of Approval: 21-08-2018
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	162809791

Г

22.Number of buildings & its configuration



Serial number	Buildin	g Name & number			Nu	mber of floors	Не	ight of the building (Mtrs)		
1	Ν	lot applicable			Ν	lot applicable		Not applicable		
23.Number tenants an	r of d shops	NA			_					
24.Number expected re users	r of esidents /	NA								
25.Tenant per hectar	density e	NA								
26.Height building(s)	of the									
27.Right of (Width of t from the n station to t proposed h	f way the road earest fire the ouilding(s)	NA						0		
28.Turning for easy ac fire tender movement around the excluding for the plat	y radius cess of from all building the width ntation	NA					200			
29.Existing structure (J s) if any	NA								
30.Details demolition disposal (I applicable)	of the with f	NA				N.O.				
				31. P	roduct	ion Detail	S			
Serial Number	Pro	duct		Existing	(MT/M) Proposed (MT/M) Total (MT/M)			Total (MT/M)		
1	Ν	A		N	JÁ NA NA					
			3	2.Tota	l Wate	r Require n	nent			
		Source	ce of t	water	Local water supply					
		Fresh water (CMD):		er (CMD):	NA					
		Recycled water - Flushing (CMD):			NA					
	\sim	Recycled water - Gardening (CMD):			NA					
	2	Swim make	ming up ((pool Cum):	NA					
Dry season: Total Water Requirement (er ent (CMD)	0.2							
		Fire f Unde tank(fightin rgrou (CMD)	ng - nd water):	NA					
		Fire f Overl tank(fightin head v (CMD)	ng - water):	NA					
		Exces	ss trea	ated water	NA					
Abhay Pimparkar (Secretary				lo: 159th (A) Februarv 2.	- Day-2 Meeting 2019	Page 81 of 102	Signature: Name: Dr. Umakant Gaugetreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)			

Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page
SEAC-I)	Date: February 2, 2019	of 1

		Source of wa	ter	NA					
		Fresh water	(CMD):	NA					
Recycled Flushing			er - (D):	NA					
Recycled water - Gardening (CMD):			er - CMD):	NA					
Swimming pool make up (Cum):				NA					
Wet seasor	n:	Total Water Requirement :	: (CMD)	NA					
		Fire fighting Underground tank(CMD):	- I water	NA					
		Fire fighting Overhead wa tank(CMD):	- ter	NA			0	Ò,	
		Excess treate	ed water	NA					
Details of S pool (If any	Swimming y)	NA							
		33	.Detail	s of Total	l water co	nsume	d		
Particula rs	Cons	sumption (CM	D)	I	Loss (CMD)	5	Effluent (CMD)		
Water Require	Existing	Proposed Total		Existing	Proposed	Total	Fristing	Proposed	Total
ment				g	Troposed	Totai	LAISting	roposeu	Iotui
ment Domestic	NA	0.2	0.2	NA	NA	NA	NA	NA	NA
ment Domestic	NA	0.2	0.2	NA	NA	NA	NA	NA	NA
ment Domestic	NA	0.2 Level of the 0 water table:	0.2 Ground	NA NA	NA	NA	NA	NA	NA
ment Domestic	NA	0.2 Level of the (water table: Size and no c tank(s) and Quantity:	0.2 Ground of RWH	NA NA	NA	NA	NA	NA	NA
ment Domestic	NA	0.2 Level of the (water table: Size and no o tank(s) and Quantity: Location of t tank(s):	0.2 Ground of RWH	NA NA NA	NA	NA	NA	NA	NA
ment Domestic 34.Rain V Harvestir	NA Water	0.2 Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits:	0.2 Ground of RWH he RWH echarge	NA NA NA NA	NA	NA	NA	NA	NA
ment Domestic 34.Rain V Harvestir (RWH)	NA Water ng	0.2 Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha	0.2 Ground of RWH he RWH echarge rge pits	NA NA NA NA NA NA	NA	NA	NA	NA	NA
ment Domestic 34.Rain V Harvestir (RWH)	NA Water ng	0.2 Level of the G water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (Capital cost	0.2 Ground of RWH he RWH echarge rge pits location) :	NA NA NA NA NA NA NA	NA	NA	NA	NA	NA
ment Domestic 34.Rain V Harvestir (RWH)	NA Water ng	0.2 Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (O & M cost)	0.2 Ground of RWH he RWH echarge rge pits location) : location	NA NA NA NA NA NA NA NA	NA	NA	NA	NA	NA
ment Domestic 34.Rain V Harvestir (RWH)	NA Vater Ig	0.2 Level of the Q water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (Capital cost) Budgetary al (O & M cost) Details of UG if any :	0.2 Ground of RWH he RWH echarge rge pits location) : location : T tanks	NA NA NA NA NA NA NA NA NA NA	NA	NA NA	NA	NA	NA NA
ment Domestic 34.Rain V Harvestir (RWH)	NA Water ng	0.2 Level of the G water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (Capital cost) Budgetary al (O & M cost) Details of UG if any :	0.2 Ground of RWH he RWH echarge rge pits location) : location : T tanks	NA NA NA NA NA NA NA NA NA	NA	NA NA	NA	NA	NA NA
ment Domestic 34.Rain V Harvestir (RWH)	NA Water ng	0.2 Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of rechants: Budgetary al (Capital cost) Budgetary al (O & M cost) Details of UC if any :	0.2 Ground of RWH he RWH echarge rge pits location) : location cr tanks	NA NA NA NA NA NA NA NA NA NA NA	NA	NA NA	NA	NA	NA NA
ment Domestic 34.Rain V Harvestir (RWH) 35.Storm drainage	NA Water ng water	0.2 Level of the G water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (Capital cost Budgetary al (O & M cost) Details of UG if any : Natural wate drainage pat Quantity of s water:	0.2 Ground of RWH he RWH echarge rge pits location): location CT tanks	NA NA NA NA NA NA NA NA NA NA NA NA	NA	NA NA	NA	NA	NA NA

approverses			Signature: Name: Dr. Umakant Gangetrao Dangat
Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 82 of 102	Dr. Umakant Dangat (Chairman SEAC-I)
		-,	(

		Sewage ge in KLD:	neration	NA					
		STP techn	ology:	NA					
Sowago and		Capacity o (CMD):	f STP	NA					
Waste w	ater	Location & the STP:	area of	NA					
		Budgetary (Capital co	allocation ost):	NA					
		Budgetary (O & M cos	allocation st):	NA		A			
			36.Soli	d waste Manag	gement				
Waste gen	eration in	Waste gen	eration:	Little quantity of waste	- will be generated during	construction			
the Pre Co and Constr phase:	nstruction ruction	Disposal o constructi debris:	f the on waste	Waste will be collected a	and handed over to authorized	prized vendor			
		Dry waste:		NA					
		Wet waste	0 0	NA					
Waste ge	neration	Hazardous	waste:	NA					
in the op Phase:	eration	Biomedica applicable	l waste (If):	NA					
		STP Sludg sludge):	e (Dry	NA					
		Others if a	ny:	NA					
		Dry waste:		NA					
		Wet waste	:	NA					
Madaafi	Diamagal	Hazardous	waste:	NA					
of waste:	Disposai	Biomedica applicable	l waste (If):	NA					
		STP Sludg sludge):	e (Dry	NA					
		Others if a	ny:	NA					
		Location(s):	NA					
Area requirem	ent:	Area for th of waste & material:	e storage other	NA					
		Area for m	achinery:	NA					
Budgetary	allocation	Capital cos	st:	162,809,791					
(Capital co O&M cost)	st and :	O & M cos	t:	NA					
			37.Ef	fluent Charectere	estics				
Serial Number	Paran	neters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)			
1	N	A	NA	NA	NA	NA			
Amount of e (CMD):	effluent gene	eration	NA						
Capacity of the ETP: NA			NA						

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 83 of 102	Signature: Name: Dr. Umakant Gangetreo Dangan Dr. Umakant Dangat (Chairman SEAC-I)
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Amount of t recycled :	NA									
Amount of v	NA									
Membershi	p of CETP (i	f require):	NA							
Note on ET	P technolog	y to be used	NA							
Disposal of	the ETP slue	dge	NA							
	38.Hazardous Waste Details									
Serial Number	Desci	ription	Ca	ıt	UOM	Existing	ſ	Proposed	Total	Method of Disposal
1	Ν	JA	NA	A	NA	NA		NA	NA	NA
			3	9.S t	acks em	ission	De	etails		
Serial Number	Section	& units	Fu	iel Us Quai	ed with ntity	Stack No).	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Ν	JA		Ν	Ā	NA		NA	NA	NA
			40).De	tails of F	uel to	be	e used		
Serial Number	Туј	pe of Fuel			Existing			Proposed	3	Total
1		NA	NA			NA NA				NA
41.Source of	of Fuel			NA		(
42.Mode of	Transportat	tion of fuel to	site	NA				7		
		Total RG a	rea :		NA					
		No of trees	s to be	cut	NA					
43.Gree	n Belt	Number of be planted	trees	to	NA					
Develop	ment	List of prop native tree	posed s :	X	NA					
		Timeline for completion plantation	or 1 of :		NA					
	44.Nu	mber and	l list	of t	rees spe	cies to	be	e plante	d in the g	ground
Serial Number	Name of	the plant	Со	mmo	n Name	Qı	ıar	ntity	Charact	eristics & ecological importance
1	N	JA		Ν	A		N	A		NA
45	i.Total qua	ntity of plan	ts on	groui	nd					
46.Num	nber and	list of sl	irub	s an	d bushes	s specie	s	to be pla	anted in	the podium RG:
Serial Number		Name			C/C Dista	nce			Area	a m2
1		NA			NA				Ν	JA
					47.E r	nergy				



		Source of p supply :	ower	MSEB				
		During Con Phase: (Der Load)	struction nand	NA				
		DG set as P back-up du constructio	ower ring n phase	Yes				
Dor		During Ope phase (Con load):	ration nected	NA				
requir	ement:	During Ope phase (Dem load):	ration land	NA				
		Transforme	r:	NA				
		DG set as P back-up du operation p	ower ring hase:	NA	2			
		Fuel used:		NA				
		Details of h tension line through the any:	igh 9 passing 9 plot if	NA				
		48.Ene	rqy savi	ng by non-co	nventional method:			
NA				0.0				
		49	.Detail	calculations	& % of saving:			
Serial Number	Е	Cnergy Conse	rvation M	easures	Saving %			
1			NA		NA			
		50.	Details	of pollution c	control Systems			
Source	Ex	isting pollut	ion contro	l system	Proposed to be installed			
NA			NA		NA			
Budgetary	allocation	Capital cos		NA				
(Capital O&M	cost and cost):	O & M cost	7	NA				
51	.Envir	onment	al Mar	nagement j	olan Budgetary Allocation			
		a) (Construc	ction phase (with Break-up):			
Serial Number	Attri	butes	Parai	neter	Total Cost per annum (Rs. In Lacs)			
1	Pollution meas	Pollution control measures		A	5.0			
2	Environmental Nonitoring N		Ā	8.0				
3	Site Sanita	tion Facility	N	A	4.0			
4	Safety N	leasures	N	A	2.0			
5	Health C	Check Up	N	A	1.5			
6	Solid Manag	Waste gement	N	Ā	2.5			

ageno mess			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 85	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

7	7 EHS Training N Programs		A				1.0			
8	Ot	hers	N	A				3.0		
			b) Operat	ion Pl	hase (w	ith Brea	k-up):		
Serial Number	Com	ponent	Descr	iption	Car	ital cost Rs Lacs	5. In	Operat C	tional and ost (Rs. in	Maintenance Lacs/yr)
1	Pollutio mea	on control asures	N	A		NA			1	
2	Enviro Mon	onmental itoring	N	A		NA			10	
3	Ot	hers	N	A		NA			3	
51.S	torage	e of ch	emicals	(infl	amab	le/expl	osiv	/haz	zardou	s/toxic
				sub	stanc	es)				
Descrij	ption	Status	Locatio	n	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Cons / Mo	umption onth in MT	Source of Supply	Means of transportation
NA	1	NA	NA		NA	NA		NA	NA	NA
			52.A	ny Ot	her Inf	ormation	í <u> </u>			
No Informat	tion Availal	ole								
			53.	Traffi	c Mana	gement				
		Nos. of to the m design of confluen	the junction aain road & of ace:	NA						
		Number basemer	and area of nt:	NA						
		Number podia:	and area of	NA						
		Total Pa	rking area:	NA						
		Area per	r car:	NA						
Parking	details:	Number Wheeler approve compete authorit	of 2- rs as d by ent y:	NA						
		Number Wheeler approve compete authorit	o of 4- rs as d by ent y:	NA						
		Public T Width o	ransport: f all Internal	NA						
		roads (n CRZ/ RF obtain,	n): RZ clearance if any:	NA						

ager or aners			Signature: Name: Dr. Umakant Gaugetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 86	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA					
	Category as per schedule of EIA Notification sheet	NA					
	Court cases pending if any	cases pending _{NA}					
	Other Relevant Informations	NA					
	Have you previously submitted Application online on MOEF Website.	No					
	Date of online submission	-	(
SEAC	DISCUSSION	ON ENVIRONME	ENTAL	ASPECTS			
Environmental Impacts of the project	Not Applicable		5				
Water Budget	Not Applicable						
Waste Water Treatment	Not Applicable						
Drainage pattern of the project	Not Applicable						
Ground water parameters	Not Applicable						
Solid Waste Management	Not Applicable						
Air Quality & Noise Level issues	Not Applicable						
Energy Management	Not Applicable						
Traffic circulation system and risk assessment	Not Applicable						
Landscape Plan	Not Applicable						
Disaster management system and risk assessment	Not Applicable						
Socioeconomic impact assessment	Not Applicable						
Environmental Management Plan	Not Applicable						
Any other issues related to environmental sustainability	Not Applicable						
	Brief informa	tion of the projec	et by SI	EAC			
	DE	CISION OF SEAC					
Abhay Pimparkar (Secre SEAC-I)	etary SEAC Meeting N Date:	lo: 159th (A) - Day-2 Meeting February 2, 2019	Page 87 of 102	Signature: Name: Dr. Umakant Gangetzeo Dangat Dr. Umakant Dangat (Chairman SEAC-I)			

The propsoal is related to MCZMA and SEIAA.

Hence, SEAC - 1 decided to refer the proposal to the SEIAA for necessary action.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Stitute

ageneratives of ŝ 1 Signature: Name: Dr. Umakant Gangetreo Dangat **Page 88** Abhay Pimparkar (Secretary SEAC Meeting No: 159th (A) - Day-2 Meeting Dr. Umakant Dangat Date: February 2, 2019 SEAC-I) of 102 (Chairman SEAC-I)

159th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 159th (A) - Day-2 Meeting Date February 2, 2019

Subject: Environment Clearance for Proposed 250 kg / hr. Common Bio – Medical Waste Treatment Facility (CBMWTF) at Village-Phandari Sadak Arjuni, Maharashtra to cater about 6,000 beds covering 2 Districts (Bhandara and Gondia) and all the districts falling within 75 km radius.

Is a Violation Case: No

1.Name of Project		Proposed 250 kg / hr. Common Bio - Medical Waste Treatment Facility (CBMWTF) at Village- Phandari Sadak Arjuni, Maharashtra to cater about 6,000 beds covering 2 Districts (Bhandara and Gondia) and all the districts falling within 75 km radius.						
2.Type of institution		Private						
3.Name of Project Proponent		Vidarbha Enviro Solutions LLP / Gulam Dastgir Pathan						
4.Name of Consultant		Visiontek Consultany Services Pvt. Ltd. Bhubaneshwar, Odisha.						
5.Type of project		Others - Proposed 250 kg / hr. Common Bio - Medical Waste Treatment Facility (CBMWTF) at Village-Phandari Sadak Arjuni, Maharashtra to cater about 6,000 beds covering 2 Districts (Bhandara and Gondia) and all the districts falling within 75 km radius.						
6.New project/expansion in exist project/modernization/diversific in existing project	ting cation	New Project						
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	restification, ental clearance for existing NA							
8.Location of the project		Khasra No. 548/2 and 98						
9.Taluka		Sadak-Arjuni						
10.Village		Phandari (Halbitola)						
Correspondence Name:		Gulam Dastgir Pathan						
Room Number:		NA						
Floor:		NA						
Building Name:		NA						
Road/Street Name:		Near Rest House, Balaghat Road, Gondia						
Locality:		Tal-Gondia						
City:		Gondia						
11.Area of the project		Other area - Pandhari Gram Panchayat						
		Approval Received from Pandhari Gram Panchayat						
12.IOD/IOA/Concession/Plan		IOD/IOA/Concession/Plan Approval Number: Approval Received on 17/07/2018						
		Approved Built-up Area: 570						
13.Note on the initiated work (I applicable)	f	NA						
14.LOI / NOC / IOD from MHAD. Other approvals (If applicable)	A /	Approval Received from Pandhari Gram Panchayat on 17						
15.Total Plot Area (sq. m.)		5463.25 Sqm. (1.35 Acre)						
16.Deductions		NA						
17.Net Plot area		5463.25 Sqm. (1.35 Acre)						
		a) FSI area (sq. m.): NA						
18 (a).Proposed Built-up Area (I Non-FSI)	FSI &	b) Non FSI area (sq. m.): NA						
		c) Total BUA area (sq. m.): 570						
		Approved FSI area (sq. m.): NA						
18 (b).Approved Built up area as DCR	s per	Approved Non FSI area (sq. m.): NA						
		Date of Approval: 17-07-2018						
19.Total ground coverage (m2)		NA						
20.Ground-coverage Percentage (Note: Percentage of plot not op to sky)	e (%) pen	NA						
21.Estimated cost of the project	t	25565000						
C.								
2 de traises		Signature:						

approtoness			Signature: Name: Dr. Umakant Gaugetrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 89	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	22.Number of buildings & its configuration									
Serial number	Buildin	ıg Name & nı	umber	Nu	mber of floors		Height of the building (Mtrs)			
1		NA			NA		NA			
2		NA			NA		NA			
23.Number tenants an	r of d shops	NA								
24.Number expected rusers	r of esidents /	NA	NA							
25.Tenant per hectar	density e	NA								
26.Height building(s)	of the									
27.Right o (Width of t from the n station to t proposed h	f way the road earest fire the ouilding(s)	Nearest Fire Station is Birsi Airport Fire Station. It is about 31 km away from the Project Site towards NE. Width of the Road from the nearest Fire Station to the Project Site is 6.0 Mtr.								
28.Turning for easy ac fire tender movement around the excluding for the pla	radius cess of from all building the width ntation	Minimum 7.5	5 meter wid	th of turning	radius has been k	ept for	proper movement of vehicles			
29.Existing structure (J s) if any	There is no E	Existing Stru	ucture.						
30.Details demolition disposal (I applicable)	of the with f	NA								
			31.P	roduct	ion Details	S				
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/	/M)	Total (MT/M)			
1 NA			N	NA NA NA						
	32.Total Water Requirement									
	Si				-					

age of the set			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019	Page 90	Dr. Umakant Dangat (Chairman SEAC-I)
SLAC-I)	Date: February 2, 2019	0] 102	(Chairman SEAC-I)

		Source of wa	ter	Pandhari Gram Panchayat								
		Fresh water (CMD):			11							
		Recycled wat Flushing (CM	er - ID):	00	00							
		Recycled wat Gardening (C	er - CMD):	00								
		Swimming po make up (Cu	ool m):	00								
Dry season	1:	Total Water Requirement :	: (CMD)	20								
		Fire fighting Underground tank(CMD):	- I water	20								
		Fire fighting Overhead wa tank(CMD):	- ter	00				Ò,				
		Excess treate	ed water	00								
		Source of wa	ter	Pandhari Gr	am Panchayat							
		Fresh water	(CMD):	2								
		Recycled wat Flushing (CM	er - 1D):	00								
		Recycled wat Gardening (C	er - CMD):	00								
		Swimming po make up (Cu	ool m):	00								
Wet seaso	n:	Total Water Requirement :	: (CMD)	11								
		Fire fighting Underground tank(CMD):	- l water	20								
		Fire fighting Overhead wa tank(CMD):	ter	00								
		Excess treate	d water	00								
Details of an pool (If an	Swimming y)	NA										
		33.	.Detail	s of Tota	l water co	nsume	dl					
Particula rs	Cons	umption (CM	D)	I	Loss (CMD)		Eff	fluent (CMD)				
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total			
Industrial Process	0	7	7	0	0	0	0	7	7			
Domestic	0	2	2	0	0.2	0.2	0	1.8	1.8			
Gardening	0	9	9	0	9	9	0	0	0			

	Level of the Ground water table:	1.3 to 2.8 mbgl					
	Size and no of RWH tank(s) and Quantity:	Since it is a Bio-medical Waste Management Project, rain water harvesting at site is not proposed.					
	Location of the RWH tank(s):	NA					
34.Rain Water	Quantity of recharge pits:	NA					
Harvesting (RWH)	Size of recharge pits :	NA					
	Budgetary allocation (Capital cost) :	NA					
	Budgetary allocation (O & M cost) :	NA					
	Details of UGT tanks if any :	One Number of UGT for Fire Water Storage will be constructed. Capacity of the Tank will be 22 KL. Fire Water Requirement is about 20 KL.					
	-						
	Natural water drainage pattern:	The Site has Natural Slope from South direction to North direction.					
	Quantity of storm water:	1.8 m3 / Min					
35.Storm water drainage	Size of SWD:	Depth of the Storm water Drain (SWD) will be 0.5m and width will be 0.3m. The slope will be maintained throughout the SWD in such a way that the velocity of the flowing water will be more than 0.3m/sec. Actually the velocity of the flowing water will be required 0.2m/sec but for drainage, design velocity of the flowing water has been considered as 0.6m/sec.					
	Sewage generation in KLD:	1.8 KLD					
Sewage and	STP technology:	About 1.8 KLD Sewage will be generated in the proposed project. Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 13.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level. One Number of ETP has been Proposed and any separate STP has not been proposed.					
Waste water	Capacity of STP (CMD):	NA					
c V	Location & area of the STP:	NA					
	Budgetary allocation (Capital cost):	NA					
	Budgetary allocation (O & M cost):	NA					
	36.Solid waste Management						



Waste generation in	Waste generation:	Excavated material will be generated. Construction debris will be generated. Recyclable waste will be generated through the construction. Excavated Top soil will be generated during construction.				
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Entire excavated material (except top soil) will be used for backfilling. Construction debris will be utilized within the site upto maximum extent. All the recyclable waste generated through the construction will be handed over to authorized recyclers. Top Soli will be used for plantation.				
	Dry waste:	About 113 kg/day Ash from Incineration will be generated. 12,750 kg/day Dry waste will be sent to Autoclave and then Shredder.				
	Wet waste:	All the wet wastes such as human or animal tissues, body parts, blood or other body fluids etc. will be collected from hospitals.				
	Hazardous waste:	About 113 kg/day Ash from Incineration will be generated. ETP Sludge will be generated.				
Waste generation in the operation Phase:	Biomedical waste (If applicable):	It is a Proposed 250 kg / hr. Common Bio – Medical Waste Treatment Facility (CBMWTF) at Village-Pandhari, Sadak Arjuni, Maharashtra to cater about 6,000 beds covering 2 Districts (Bhandara and Gondia) and all the districts falling within 75 km radius.				
	STP Sludge (Dry sludge):	About 1.8 KLD Sewage will be generated in the proposed project. Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 13.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level. One Number of ETP has been Proposed and any separate STP has not been proposed.				
	Others if any:	NA				
	Dry waste:	Ash from Incineration and other hazardous wastes will be sent to CHWTSDF.				
	Wet waste:	All the wet wastes such as human or animal tissues, body parts, blood or other body fluids etc. will be burnt in the Incinerator.				
	Hazardous waste:	All Haz. Waste shall be stored separately and shall be strictly sent to CHWTSDF as per Hazardous and Other Waste (Management & Trans Boundary) Rules, 2016.				
Mode of Disposal of waste:	Biomedical waste (If applicable):	All bio-medical waste shall be managed as per Bio-medical Waste Management Rule, 2016				
	STP Sludge (Dry sludge):	About 1.8 KLD Sewage will be generated in the proposed project. Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 13.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level. One Number of ETP has been Proposed and any separate STP has not been proposed. ETP sludge will be sent to CHWTSDF.				
	Others if any:	NA				
S	Location(s):	The Proposed project of M/s. Vidarbha Enviro Solutions is located at Village: Pandhari (Halbitola), Tehsil: Sadak Arjuni, District: Gondia, Maharashtra.				
Area requirement:	Area for the storage of waste & other material:	Approx. 164 sqm of area has been demarcated for storage of different type of waste generated from the treatment facility. These storage areas have separated based on the type of waste to be stored.				
	Area for machinery:	Approximately 188 sqm. area has been demarcated for Incinerator, Autoclave, shredder.				
Budgetary allocation	Capital cost:	25565000				
O&M cost):	O & M cost:	Rs 240000				
	37.Ef	fluent Charecterestics				



Serial Number	Parameters	Unit	Unit Inlet Effluent Charecterestics			Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)
1	pH	-	- 4 to 6			6.5 t	o 8.5	5.5 to 9.0
2	TSS	mg/litre	300 t	o 600		50 to	0 1 0 0	<100
3	BOD	mg/litre	250 t	io 400		20-	-30	<100
4	0 & G	mg/litre	20 t	io 30		5 to	0 10	<10
5	COD	mg/litre	750 to	o 1000		200 t	o 250	<250
Amount of e (CMD):	ffluent generation	9.0 CMD						
Capacity of	the ETP:	13 CMD						
Amount of t recycled :	reated effluent	9 CMD						
Amount of v	vater send to the CETP:	Treated Wa liquid discl Plant.	ater will be c aarge outside	ompletely the plan	y ree it pr	cycled / reus remises. It wi	ed in the P ill be a Zero	lant and there will be no o Liquid Discharge (ZLD)
Membershi	o of CETP (if require):	NA					Ċ	
Note on ET	P technology to be used	Advanced 7	Fertiary Trea	tment				V
Disposal of	the ETP sludge	ETP sludge	shall be sen	t to CHW	/TSI	OF, Butibori	Nagpur	
		38.H	azardous	Waste	e D	etails		
Serial Number	Description	Cat	UOM	Existin	ng	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	NA	NA		As per actual	As per actual	CHWTSDF
2	Incineration Ash	BMW-cat No. 9	NA	NA		113 kg/day	113 kg/day	CHWTSDF
		39.S	tacks em	ission	De	etails		-
Serial Number	Section & units	Fuel U Qua	sed with ntity	Stack N	۷o.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Incineration	HSD 6	5 ltr/hr.	1		30	0.550	90 (oC)
2	D.G Set	HSD 350	ltr./month	1		5.0 m above the roof	0.200	40 (oC)
		40.De	tails of H	Fuel to	be	e used		
Serial Number	Type of Fuel		Existing			Propose	d	Total
1	HSD		NA			66 ltr./h	r	66 ltr. /hr.
41.Source of	f Fuel	Loca	l Market					
42.Mode of	Transportation of fuel to	site Fuel Cont	Fuel will be transported to the site by sealed MS Drums through Closed Containers.					



Total RG area :		1802.87 m2 (33% of the Total Plot Area)							
43.Green Belt		No of trees	No of trees to be cut :		NA				
		Number of be planted	f trees to	289 Nos. of	289 Nos. of Trees will be Planted along the boundary of the Project Site.				
Develop	ment	List of pro native tree	posed es :	As listed be	elow				
		Timeline for completion plantation	or n of :	Within 1 M	onth du	iring construc	tion period		
	44.Nu	mber and	l list of	trees spe	cies	to be plan	ited in the ground		
Serial Number	Name of	the plant	Comm	on Name		Quantity	Characteristics & ecological importance		
1	Azadiracl	hta indica	N	eem		57	Evergreen		
2	Cassia	fistula	Golder	n shower		57	Deciduous		
3	Hibiscus re	osasinensis	Jas	wand		57	Evergreen		
4	Butea mo	nosperma	Р	alas		57	Deciduous		
5	Ficus r	eligiosa	Р	ipal		61	Evergreen		
45	.Total qua	ntity of plan	its on grou	ınd					
46.Num	nber and	list of sl	nrubs aı	nd bushes	s spe	cies to be	planted in the podium RG:		
Serial Number		Name		C/C Dista	ance		Area m2		
1		NA		NA			NA		
				47.E	nerg	IY			
		Source of supply :	power	MSEDCL (I	Dava Sı	ub Station)			
		During Construction Phase: (Demand Load)		20 kVA					
		DG set as back-up du constructi	DG set as Power back-up during construction phase						
Dor		During Op phase (Cor load):	During Operation phase (Connected load):						
require	ement:	During Op phase (Der load):	eration mand	30 kVA					
	Gy	Transform	er:	30 kVA					
		DG set as back-up du operation	Power ıring phase:	50 kVA					
		Fuel used:		HSD					
		Details of tension lin through th any:	high le passing le plot if	NA					
		48.Ene	ergy sav	ing by no	n-co	nventiona	l method:		
it is a Propo	sed project.	It will be do	ne during t	he Operation	al Phas	e of the Projec	pt.		

appropriate			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 95	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

		4	9.Detail	calculati	ons	& % of saving:
Serial Number	Е	nergy Cons	ervation Me	easures	Saving %	
1			NA			NA
		50	.Details	of polluti	ion c	ontrol Systems
Source	E	xisting poll	ution contro	ol system		Proposed to be installed
Incinerator (Air Pollution)			NA			Venturi Scrubber, Quencher, Multi Cyclonic Droplet Separators, Flooded scrubber with Quenching Arrangement. Media of the Scrubber will be Water.
Autoclave, Washing Area and Domestic Waste Water (Water Pollution)	NA					About 1.8 KLD Sewage will be generated in the proposed project. Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 13.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level. One Number of ETP has been Proposed and any separate STP has not been proposed. 9 KLD Effluent will be generated in the proposed project which will be fed to ETP and then it will be treated up to Advanced Te
Incinerator & ETP (Hazardous Solid Waste)		NA				About 113 kg/day Ash from Incineration will be generated. ETP Sludge will be generated. These will be Will be disposed to CHWTSDF.
Incinerator, Shredder & D.G.Set (Noise Pollution)		NA				Noise generating equipments will be kept in closed structures. Acoustic systems will be provided to D.G. set. The workers will also be provided with ear muff, ear plug while working at noisy area.
Budgetary	allocation	Capital co	st:	NA		
O&M	cost):	O & M cos	t:	NA		
51	.Envire	onment	tal Mar	ageme	ent j	olan Budgetary Allocation
		a)	Construc	ction pha	se (1	with Break-up):
Serial Number	Attri	butes	Parar	neter		Total Cost per annum (Rs. In Lacs)
1	Air Po Manag	llution gement	Regular Sprinkling Fugitive	r Water to reduce Emission		1.0
2	Water F Manag	Pollution gement Supply of Potable Water for domestic purpose by tankers & arrangement of Bio- toilets at the site		1.0		
3	Solid & F Waste Ma	Iazardous inagement	toilets at the site Solid Wastes generated during constructional phase would be storage disposed properly. Hazardous Waste would be handed over to authorized vendor.			1.0

agenorations?			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 96	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

4	Occupational Health & Safety	PPEs will be provided, Fire Safety Arrangements and First-aid Facility will be provided		1.0
5	Green Belt Development	Plantation will be completed during the constructional phase. 289 Nos. of Trees will be Planted along the boundary of the Project Site.		1.0
	b) Operation Phas	e (with Break-up):
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Venturi Scrubber, Quencher, Multi Cyclonic Droplet Separators, Flooded scrubber with Quenching Arrangement. Media of the Scrubber will be Water.	5.0	3.0
2	Water Environment	About 1.8 KLD Sewage will be generated in the proposed project. Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 13.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level. One Number of ETP has been Proposed and any separate STP has not been proposed. 9 KLD Effluent will be generated in the proposed project which will be fed to ETP and then it will be treated up to Advanced Te	10	2.0
3	Hazardous Solid Waste	About 113 kg/day Ash from Incineration will be generated. ETP Sludge will be generated. These will be Will be disposed to CHWTSDF.	5.0	5.0



4	Envi: Monit Mana	ronment oring and agement	Post Project Environmental Monitoring: Ambie Air Quality, Stac Emission, Noise Effluent Quality, W Zone Monitoring Green Belt will h developed in 1802 m2 area (33% of t	ent k Vork J. ve .87	5.0		8.0	
5	Green Belt Development		Total Plot Area). 2 Nos. of Trees will Planted along th boundary of the Project Site.	289 be e	1.0		1.0	
51.S	torag	e of ch	emicals (inf	lamabl	e/explo es)	osive/ha	izardou	s/toxic
Descri	ption	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumptio / Month in MT	n Source of Supply	Means of transportation
HS	D	Liquid	Fuel Storage within Plant Premises	1100 Ltrs.	1100 Ltrs	31680 Ltrs.	Local Market	Sealed MS Drums and through Closed Containers
			52.Any Ot	her Info	ormation	l		
No Informa	No Information Available							
	53.Traffic Management							
to the main road & NA design of confluence:								
SLA								

agger or anger			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 159th (A) - Day-2 Meeting	Page 98	Dr. Umakant Dangat
SEAC-I)	Date: February 2, 2019	of 102	(Chairman SEAC-I)

	Num baser	ber and area of ment:	NA		
	Num podia	ber and area of a:	er and area of NA		
	Total	l Parking area:	60 M2		
	Area	per car:	NA		
	Area	per car:	NA		
Parking details:	Num Whee appro comp authe	ber of 2- elers as oved by petent ority:	NA		
	Num Whee appro comp autho	ber of 4- elers as oved by petent ority:	Steel Body Covered 4 Wheeler of Bio-medical Waste from sou 3 Two Wheelers and about 1 - plant premises.	rs will be pro irce to the pi 2 Four Whee	wided for the transportation roject site. At a time about 2 - elers can parked within the
	Publi	ic Transport:	NA		
	Widt roads	h of all Internal s (m):	7.0 m		
	CRZ/ obtai	' RRZ clearance in, if any:	NA		
	Dista Prote Critic areas areas boun	tance from tected Areas / cically Polluted as / Eco-sensitive as/ inter-State indaries			
	Category as per schedule of EIA7 (da) BNotification sheet7				
	Court cases pending if any NA				
	Othe: Infor	r Relevant mations	No		
Have you previously submitted Application online on MOEF Website.		No			
	Date subm	of online nission	-		
SEAC	DIS	CUSSION	ON ENVIRONME	ENTAL	ASPECTS
Environmental Impacts of the project Not Applicable					
Water Budget Not Applicable					
Waste Water TreatmentNot Applicable					
Drainage pattern of the project	he project Not Applicable				
Ground water parameters	Not Applicable				
Solid Waste Management	lanagement Not Applicable				
Abhay Pimparkar (Secre SEAC-I)	Abhay Pimparkar (Secretary SEAC-D) SEAC Meeting No: 159th (A) - Day-2 Meeting Date: February 2, 2019 of 102 (Chairman SEAC-D)				

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 7d(a)B1 as per EIA Notification, 2006. PP presented draft TOR in 157th meeting of SEAC-1 held on 21.11.2018 wherein the proposal was deferred for following reason,

PP has not submitted site selection approval from prescribed Authority and stake holders as mentioned in the Bio Medical Management Rules published on 28.03.2016.

In view of above SEAC decided to defer the proposal till PP submit above documents.

Now PP submitted the site visit reprot of MPCB with respect to the location of the propsoed project dated 18.01.2019 and presented the proposal for the grant of Terms of References.

DECISION OF SEAC



Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following TOR for preparation of EIA-EMP report.

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

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

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

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

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

Specific Conditions by SEAC:

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

2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of culde-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

3) PP to comply with the standard consitions stipulated for the Bio Medical Waste facility in the Office Memrandum issued by MoEF&CC dated 4th January, 2019 for the preparation of EIA/EMP report.

4) PP to submit action plan for point wise compliance of the Bio Medical Waste Rules, 2106.

5) PP to design incinerator as per guidelines prescribed by CPCB and include details in the EIA report.

6) PP to carry out survey to decided on the quantum of the waste expected to be recived for treatment; PP to justify proposed capacity of the incinerator with respect to the expected quantity of BioMEdical Waste

proposed capacity of the incinerator with respect to the expected quantity of BioMEdical Waste. 7) PP to include detailed plan of segregation, collection, transport, storage, treatment and disposla of BioMedical Waste

(7) PP to include detailed plan of segregation, collection, transport, storage, treatment and disposia of BioMedical Waster in the EIA report inlcuding numbers of vehicles and features of the vehicles to be engaed for waste collection. (8) PP to submit details of the waste storage facilities/rooms.

9) PP to include details of waste generated from the treatment facility and its disposal in the EIA report.

10) PP to include details of the fuel requirement for the incineration in the EIA report.

11) PP to include details of waste heat recovery if any.

12) PP to inlcude details of waste water treatment and disposal in the EIA report.

13) PP to submit landuse map based on satellite imagery including location of specific sensitives such as national parks/wild life snactury, villages, industries etc.

14) PP to include details of the pollution control equipment/technologies and online monitoring equipments in the EIA report.

15) PP to ensure extensive training and awareness campaign of the workers on site and staff of the hospitals for segregation and collection of the BioMEdical Waste. PP to prepare specific program to monitor safety and health protection of the workers and inlcude it in the EIA report.

16) PP to inlcude EMP devised to mitigate the adverse impacts of the project along with item-wise cost of its implementation (capital and recurring costs).

17) PP to submit emergency preparedness plan.

18) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.



FINAL RECOMMENDATION

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

Stiller Barbar

