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

SEAC Meeting number: 149th Day - 5 Meeting Date April 6, 2018

Subject: Environment Clearance for Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri

Is a Violation Case: No					
	Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries				
1.Name of Project	Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri				
2.Type of institution	Private				
3.Name of Project Proponent	Excel Industries Limited				
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.				
5.Type of project	Industrial				
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing manufacturing facility				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing EC letter SEAC-2010/CR.516/TC-2 dated 6th July 2011				
8.Location of the project	Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri				
9.Taluka	Khed				
10.Village	Lote				
Correspondence Name:	Ekanath Karekar				
Room Number:	-				
Floor:					
Building Name:					
Road/Street Name:					
Locality:					
City:					
11.Area of the project	MIDC Lote Parshuram				
	MIDC Lote Parshuram				
12.10D/10A/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval				
	Approved Built-up Area: 31173.63				
13.Note on the initiated work (If applicable)	Existing facility pertains to manufacturing of synthetic organic chemical.				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval				
15.Total Plot Area (sq. m.)	73303 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.): 31173.63				
	Approved FSI area (sq. m.):				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):				
	Date of Approval:				
19.Total ground coverage (m2)	Not applicable				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable				
21.Estimated cost of the project	125000000				

22.Number of buildings & its configuration

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Seria numbe	al Building Name & number		Numbe	r of floors	Height of	the building (Mtrs)
1	Not applicable Not applicable			pplicable	N	ot applicable
23.Nun tenants	nber of s and shops	Not applicable				
24.Nun expecte users	nber of ed residents /	Not applicable				
25.Tena per hec	ant density ctare	Not applicable				
26.Heig buildin	ght of the g(s)					
27.Rigl (Width from th station propose	ht of way of the road ne nearest fire to the ed building(s)	As per MIDC DC rule			C	60
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation						
29.Exis structu	sting are (s) if any	Existing facility is for ma	anufacturing of s	ynthetic organic	chemical.	
30.Deta demolit disposa applica	ails of the tion with al (If ble)	Not applicable				
		31.P	roduction	n Details		
Serial Number		Product		Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sodiu	m Penta Chloro Phenate and its Formu	lations	1800 TPA	700 TPA	2500 TPA
2	2 Hydroxy Ethylidene Di- Phosphonic Acid and its Formulations (Codex 661 and Formulation)				27800 TPA	35000 TPA
3 Acetyl Chloride				3600 TPA	2900 TPA	6500 TPA
4	4 Sodium Salt of 5 Sulphono Isopathalic Dimethyl Ester (SIPM)				0 TPA	360 TPA
5 Amino Tri-methylene Phosphonic Acid and its formulations (ATMP)			1200 TPA	10800 TPA	12000 TPA	
6		Codex-551		600 TPA	0 TPA	600 TPA
7		Dispercel -32 (Poly Maliec Acid)		252 TPA	0 TPA	252 TPA
8	THPE [1,1,1, Tris (4-Hy	droxy Phenyl) Ethane]AND/OR DMBP yclohexane (DMBPC) and its Derivativ	C (Di-methyl Bis Phenol res	1025 TPA	475 TPA	1500 TPA
9		Lauracel		30 TPA	0 TPA	30 TPA
10	4.	Hydroxythiobenzamide FEBUXOSTAT	T1	12 TPA	0 TPA	12 TPA

	Cyclohexane (DMBPC) and its Derivatives			
9	Lauracel	30 TPA	0 TPA	30 TPA
10	4 - Hydroxythiobenzamide FEBUXOSTAT T1	12 TPA	0 TPA	12 TPA
11	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T2	18 TPA	0 TPA	18 TPA
12	Ethyl 2-(3-formyl-4 hydroxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T3	15 TPA	105 TPA	120 TPA
13	Ethyl 2-(3-formyl-4 isobutoxyxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T4	14 TPA	0 TPA	14 TPA
14	Ethyl 2-(3-cyano-4 isobutoxyxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T-5 and / OR Ethyl 2-(3-cyno-4 Isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid Febuxostat	42 TPA	33 TPA	75 TPA
15	Ethyl 2-(3-cyno-4 Isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid FEBUXOSTAT T-6	0 TPA	25 TPA	25 TPA
16	5-(Bromomethyl)-4-(4-fluorophenyl)-6-(-1-methylethyl)-2-methyl (methylsulfonyl)amino pyrimidine Z 7 Br	48 TPA	0 TPA	48 TPA
17	Phosphonium, {[4-(4-flurophenyl)-6-(1-methyllethyl)-2[methyl methylsulfonyl0amino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2	60 TPA	0 TPA	60 TPA
18	N- [4-(4- Flurophenyl) -5 formyl-6-(1-methylethyl)-2-pyrimidinyl]-N-methyl methane sulfonamide Z 7 Formyl	25 TPA	0 TPA	25 TPA
19	6-Hydroxy-3,4-dihydro-1H-quinoline-2-one 6 HQ	20 TPA	0 TPA	20 TPA

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20	 4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4- (hydroxydiphenylmethyl)-1-piperidinyl)—piperidinyl]butyl]-benzeneacetic acis hydrochloride (Fexofenadine Hydrochloride) and its derivatives 	26 TPA	0 TPA	26 TPA			
21	1,3; 2,4 -bis (3,4- dimethyl benzylidene) sorbitol Exclar	75 TPA	0 TPA	75 TPA			
22	n- Octyl Phosphonic acid NOPA	75 TPA	0 TPA	75 TPA			
23	$\label{eq:pregabelin} Pregabelin \ ((S) \ -3-(aminomethyl)-5-methyl hexanoic \ acid) \ and \ its \ intermidiates$	20 TPA	0 TPA	20 TPA			
24	Sitagliptine Phosphate, (3-(Trifluromethyl)-5,6,7,8 - tetrahydro-[1,2,4] triazolo [4,3-a] pyrazine hydrochloride)(intermediate)	20 TPA	0 TPA	20 TPA			
25	4-[5-(4-Methylphenyl)3-3-(trifluoromethyl pyrazol-1-yl] benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)	10 TPA	0 TPA	10 TPA			
26	Benfotamine Phosphate	20 TPA	0 TPA	20 TPA			
27	Celestistat	6 TPA	0 TPA	6 TPA			
28	Silodosine	2 TPA	0 TPA	2 TPA			
29	4- Acetoxy styrene (4-ACS)	0 TPA	100 TPA	100 TPA			
30	Dibenzoyl Methane (DBM)	0 TPA	100 TPA	100 TPA			
31	Phenyl Hydrazine	0 TPA	600 TPA	600 TPA			
32	Phenyl Hydrazine Hydrochloride	0 TPA	500 TPA	500 TPA			
33	4- chloro Phenyl Hydrazine	0 TPA	200 TPA	200 TPA			
34	4 Hydroxy benzene sulphonomide hydrochloride (4-HBS)	0 TPA	500 TPA	500 TPA			
35	3-[(S)-1-TERTBUTOXYCARBONYL- 4 -OXOPYRROLIDIN-2-YL CARBONYL] THIAZOLIDINE (OXO)	0 TPA	25 TPA	25 TPA			
36	Teneligliptin Hydrobromide Hydrate (Teneligliptin)	0 TPA	40 TPA	40 TPA			
37	PPZ-1-(3-Methyl-1-phenyl-1-pyrazol-5-yl) piperazine.	0 TPA	25 TPA	25 TPA			
38	Solifenacin Base	0 TPA	3 TPA	3 TPA			
39	Solifenacin Succinate	0 TPA	3 TPA	3 TPA			
40	Sertaconozole	0 TPA	20 TPA	20 TPA			
41	Nizatidine	0 TPA	25 TPA	25 TPA			
42	(R)-9-[2(phosphonomethoxy) propyl] Adenine (PMPA)	75 TPA	0 TPA	75 TPA			
43	Flurobenzene, its Derivatives and other fluorinated compounds	0 TPA	1000 TPA	1000 TPA			
44	Phoponates and its Derivatives	0 TPA	500 TPA	500 TPA			
45	Phosphates and derivatives	0 TPA	500 TPA	500 TPA			
46	Phosphites and its derivatives	0 TPA	500 TPA	500 TPA			
47	R&D and Pilot for Industrial Chemicals and Intermidiates	0 TPA	60 TPA	60 TPA			
48	Spent Acid (By product)	1645 TPA	0 TPA	1645 TPA			
49	Dil Methanol (By product)	450 TPA	0 TPA	450 TPA			
50	Hydro Chloric Acid (By product)	15000 TPA	60000 TPA	75000 TPA			
51	Dilute Acetic Acid (By product)	1200 TPA	0 TPA	1200 TPA			
52	Methanol (By product)	600 TPA	0 TPA	600 TPA			
53	Sodium Sulphite 30% (By product)	936 TPA	0 TPA	936 TPA			
54	Spent Ethyl Bromide (By product)	187 5 TPA	0 TPA	187 5 TPA			
55	Spent Magnecium Acetate (By product)	75 TPA	0 TPA	75 TPA			
56	Spent Sodium Bromide Solution (By product)	1424.5 TPA	0 TPA	1424.5 TPA			
57	Dilute Thiphosphoric Acid (By product)	11.75 TPA	0 TPA	11.75 TPA			
58	Dilute Methane Sulphonic Acid (By product)	195 TPA	0 TPA	195 TPA			
59	Dilute Dimethyl Formamide (By product)	56 TPA	0 TPA	56 TPA			
60	Dilute Bromide Solution (By product)	140 TPA	Ο ΤΡΑ	140 TPA			
61	Earmin Acid (By product)	06 TPA	0 TPA	06 TPA			
32.Total Water Requirement							
	SY						

32.Total Water Requirement



Source of water MIDC									
		Fresh water	(CMD):	Not applicable					
		Recycled wat Flushing (CM	er - 1D):	Not applicable					
		Recycled wat Gardening (C	er - CMD):	Not applicat	ole				
		Swimming po make up (Cu	ool m):	Not applical	ole				
Dry seasor	1:	Total Water Requirement :	(CMD)	1330 cmd					
		Fire fighting Underground tank(CMD):	- I water	Not applical	ole			-6	
		Fire fighting Overhead wa tank(CMD):	- ter	Not applical	ole				
		Excess treate	ed water	Not applical	ole				
		Source of wa	ter	Not applicat	ole				
		Fresh water	(CMD):	Not applical	ole				
		Recycled wat Flushing (CM	er - ID):	Not applical	ole				
		Recycled wat Gardening (C	er - CMD):	Not applical	ole				
		Swimming po make up (Cu	ool m):	Not applicable					
Wet seaso	n:	Total Water Requirement :	: (CMD)	Not applicable					
		Fire fighting - Underground water tank(CMD):		Not applicable					
		Fire fighting - Overhead water tank(CMD):		Not applicable					
		Excess treate	d water	Not applicat	ole				
Details of pool (If an	Swimming y)	Not applicable)						
		33.	.Detail	s of Tota	l water co	nsume	dl		
Particula rs	Cons	umption (CM	D)	I	Loss (CMD)		Efi	luent (CMD)	
Water	2								
Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	66	20	86	3	2	5	63	18	81
Industrial Process	123	596	719	41	141	182	82	455	537
Cooling tower & thermopa ck	218	232	450	215	223	438	3	9	12
Gardening	50	25	75	50	25	75	0	0	0

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	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:	
(RWH)	Size of recharge pits :	
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	-
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	
	Size of SWD:	
	•	
	Sewage generation in KLD:	81 cmd
	STP technology:	Not applicable. Sewage will be treated in combined ETP (At Aeration tank)
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:	Minor quantity of construction debris will be generate.
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Construction debris will be disposed off as per norms.
	Dry waste:	Used Bags: 450 Nos./A, Oil Tin: 650 Nos./A, Wooden pallets: 3000 Nos./A, Plastic/Polyvinyl Bags: 28200 Nos./A, M.S. Scrap: 150 TPA, Canteen Waste: 20 TPA. Paper Waste: 15 TPA, Boiler ash: 4200 TPA, Fly ash: 21 kg/A
	Wet waste:	
Waste generation in the operation Phase:	Hazardous waste:	Filter and Filter Material containing organic chlorine compound, ETP Sludge from Primery Treatment, Sludge generated Spray Dryer, Spent organic catalyst, Distillation Residue, Distillation residue from R&D and Pilot Plant, Flue Gas Cleaning Residue(Boiler shoot, Spent in Exchange resins, Used/ Spent oil, Discarded Containers
	Biomedical waste (If applicable):	Waste sharps: 20 kg/Month, Expired or Discarded Medicines: 10 kg/Month, Soiled Waste: 40 kg/Month
	STP Sludge (Dry sludge):	
	Others if any:	E waste: 5 TPA

		Dry waste:		Non Hazardous waste will be sale to authorized dealer				
		Wet waste	•					
		Hazardous	waste:	hazardous waste will be disposed off as per Hazardous waste rule 2016.				
Mode of Disposal of waste:		Biomedica applicable	l waste (If):	Biomedical	waste will b	e disposed of	ff as per nor	ms.
STP Sludg sludge):			e (Dry					
		Others if a	ny:	E waste wil	l be disposed	d off to autho	orized dealer	
		Location(s	;):	within plot				
Area requirem	ent:	Area for th of waste & material:	ne storage other					A
		Area for m	achinery:					
Budgetary	allocation	Capital co	st:					
(Capital co O&M cost)	st and	O & M cos	t:					
			37.Ef	fluent C	harecter	estics		
Serial Number	Paran	neters	Unit	Inlet E Charect	ffluent cerestics	Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)
1	р	H		4 t	0 6	6.5	to 9	< 6.5 to 9
2	Total Suspe	ended solids	mg/L	400 t	o 500	100		< 100
3	Total Disso	lved Solids	mg/L	8000 to	0 10000	2100		< 2100
4	Chemica Dem	l Oxygen 1and	mg/L	8000 to	0 10000	250		< 250
5	Ammonica	l Nitrogen	mg/L	70 to	o 100	50		< 50
Amount of e (CMD):	effluent gene	eration	630 cmd					
Capacity of	the ETP:		100 cmd	$\Delta \mathbf{Y}$				
Amount of t recycled :	reated efflue	ent	-					
Amount of v	water send to	o the CETP:	630 cmd					
Membershi	p of CETP (if	require):	Yes					
Note on ET	P technology	r to be used	Untreated F Aeration > RO permeat recycle	Effluent > Ed Sec. clarifien te recycle >	qualization > r > Pressure RO reject &	· Neutralizat sand filter > High Load s	ion > coagul • Activated c tream to ME	ation > Pri. clarifier > arbon filter > RO unit > E > MEE permeate to
Disposal of	the ETP sluc	lge	To CHWTSI	DF				
			38.Ha	zardous	Waste D	etails		
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Filter ar Material o organic comp	nd Filter containing chlorine oound	36.2	TPA	3	6	9	Landfill at CHWTSDF
2	ETP Sluc Primery Tr Salts gene spray	lge from eatment & rated from dryer	35.3	TPA	200	12300	12500	Landfill at CHWTSDF
3	Spent orga	nic catalyst	28.2	TPA	4	8	12	Incineration at CHWTSDF

2-00 Trieses			Signature:
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4	Distillation Residue	28.1	TPA	300	600	900	Incineration at CHWTSDF
5	Distillation residue from R&D and Pilot Plant	28.1	TPA	4	8	12	Incineration at CHWTSDF
6	Flue Gas Cleaning Residue(Boiler shoot	35.1	TPA	6	12	18	Incineration at CHWTSDF
7	Spent in Exchange resins	35.2	TPA	0.12	0.24	0.36	Disposal at CHWTSDF
8	Used/ Spent oil	5.1	KLPA	2	4	6	Sale to Authorised Agency
9	Discarded Containers	33.1	Nos./A	12710	25420	38130	Sale to Authorised Agency
		39.S t	acks er	nission I	Details		0
Serial Number	Section & units	Fuel Use Quan	d with tity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	6 TPH & 12 TPH Boiler (Existing)	Coal: 38	B TPD		30	1.1	160
2	12 TPH Boiler (Proposed)	Coal: 48 TPD			as per CPCB norms	as per norms	160
3	12 TPH Boiler (Proposed)	Coal: 48 TPD			as per CPCB norms	as per norms	160
4	500 KVA DG set (Existing)	HSD: 75 kg/day			15	0.15	160
5	1010 KVA DG set (Proposed)	HSD: 2050 Lit/Hr			as per CPCB norms	as per norms	160
6	1250 KVA D.G. Set (Proposed)	HSD: 250	0 Lit/Hr		as per CPCB norms	as per norms	160
7	1250 KVA D.G. Set (Proposed)	HSD: 250	0 Lit/Hr		as per CPCB norms	as per norms	160
8	Spray Dryer (Existing)	Coal: 8.4	4 TPD		15	0.75	90
9	HCL Tail Gas Tower S-4				15	0.05	30 - 40
10	Acetyl Chloride Packing Scrubber S-5				10	0.05	30 - 40
11	Acetic Acid Scrubbing Stack S-6				12	0.05	30 - 40
12	PCL3 Scrubber Stack S-7				12	0.05	30 - 40
13	Acetyl Chloride Scrubber Stack S-8				12	0.05	30 - 40
14	Drum Dryer Stack S-9				25	0.45	30 - 40
15	Packing Area Stack S-10				25	0.45	30 - 40
16	Reactor (Neutralizer Stack) S-11				25	0.2	30 - 40

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17	HCL Scrubber System Stack S-12			25	0.05	30 - 40
18	HCL Scrubber System Stack S-13			15	0.08	30 - 40
19	Common Vent Scrubber stack S-14			15	0.05	30 - 40
20	SO2 Scrubber System stack S-15			15	0.15	30 - 40
21	HCL Scrubbing System Stack S-16			15	0.1	30 - 40
22	Common Vent Scrubber stack			As per statutory requirement	As per statutory requirement	30 - 40
23	Common Vent Scrubber stack			As per statutory requirement	As per statutory requirement	30 - 40
24	Common Vent Scrubber stack			As per statutory requirement	As per statutory requirement	30 - 40
25	Common Vent Scrubber stack			As per statutory requirement	As per statutory requirement	30 - 40
26	Common Vent Scrubber stack			As per statutory requirement	As per statutory requirement	30 - 40
27	Common Vent Scrubber stack			As per statutory requirement	As per statutory requirement	30 - 40
28	Common Vent Scrubber stack	-	-	As per statutory requirement	As per statutory requirement	30 - 40
29	Common Vent Scrubber stack			As per statutory requirement	As per statutory requirement	30 - 40
30	Common Vent Scrubber stack	G		As per statutory requirement	As per statutory requirement	30 - 40
		40.Details of	Fuel to I	be used		
Serial Number	Type of Fuel	Existing	ſ	Proposed		Total
1	Coal	46.4 TPD)	96 TPD		142.4 TPD
2	HSD	4 Lit/Hr		7050 Lit/Hr		7054 Lit/Hr
41.Source	of Fuel	from nearby sou	irce			
42.Mode of	Transportation of fuel t	o site By road				
		•				



Total RG area :		Green belt	Green belt area: 25106 sq.m						
		No of trees	s to be cu	t					
43.Gree	n Belt	Number of be planted	trees to						
Develop	ment	List of pro	posed s :						
		Timeline for							
		plantation	:						
	44.Nu	mber and	l list of	trees spe	cies to b	e planteo	d in the ground		
Serial Number	Name of	the plant	Comn	ion Name	Qua	ntity	Characteristics & ecological importance		
1	-	-			-	-	-		
45	.Total qua	ntity of plan	its on gro	und					
46.Num	ber and	list of sl	nrubs a	nd bushes	s species	to be pla	anted in the podium RG:		
Serial Number		Name		C/C Dista	nce		Area m2		
1									
				47.Eı	nergy				
Source of power supply :		power	From MSEI	From MSEDCL					
		During Construction Phase: (Demand Load)		n 1600 KVA					
		DG set as Power back-up during construction phase During Operation phase (Connected load):		500 KVA	500 KVA				
_				4800 KVA	4800 KVA				
Pov require	ver ement:	During Op phase (Der load):	eration nand	4800 KVA	4800 KVA				
		Transform	er:	6 MVA	6 MVA				
		DG set as l back-up du operation	Power ıring phase:	500 KVA, 1	500 KVA, 1010 KVA & 2 nos. 1250 KVA				
		Fuel used:		HSD					
	9.	Details of tension lin through th	high e passing e plot if	ſ					
		All Eng	raw ees	ing by po	n-convor	tionalm	ethod.		
		TO.LIIC	iyy sav	ing by no	n-conver				
		4	9.Detai	l calculati	ons & %	of saving	n:		
Serial	E	nergy Cons	ervation	Measures	.ono c /u	or saving	Saving %		
Number		- 3, 0010							
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		50).Details o	of poll	lutio	n c	ontrol S	ystei	ns		
Source	Ex	isting poll	ution contro	l system	1		Proposed to be installed				
Air pollution	Bag ho	ouse, Cyclon	e separator, V	Wet scru	bber			Bag ho	ouse, Cy	clone separa	ator
Water pollution	ETP, RO, Spray dryer									-	
Noise pollution	А	coustic encl	osure, Silence	ers, PPE			Acoustic enclosure, Silencers, PPE				
Hazardous waste	Dispo	sal to CHWI	SDF, Authori	ized recy	cler		Dispos	sal to C	HWTSD	F, Authorize	ed recycler
Budgetary	allocation	Capital co	ost:								
(Capital O&M	cost and cost):	0 & M cos	st:							C	
51	.Envir	onmen	tal Man	lagei	nen	t p	olan Bu	ıdge	etary	Alloca	ation
	-	a)	Construc	c <mark>tion</mark> p	ohase	e (v	vith Bre	ak-u	p):		
Serial Number	Attri	butes	Parar	neter			Total (Cost p	er annu	m (Rs. In I	.acs)
1				-							
		k	o) Operati	ion Ph	nase	(wi	th Breal	k-up)	r:		
Serial Number	Comp	onent	Descri	iption		Capi	tal cost Rs Lacs	. In	Opera c	tional and ost (Rs. in	Maintenance Lacs/yr)
1	Air Polluti	on Control	From Utiliti and D	ies, Proc OG set	ess	(100		10		
2	Enviroi Moni	nmental toring	Regular M	Ionitorin	g		0		5		
3	Water H Cor	Pollution	ETP,RO, S	pray dry	er	~	1000		100		
4	Hazardous Solid manag	Waste and waste gement	Storage an of Hazard and Non h was	id Dispos ous wast nazardou ste	sal ze is	25			2.5		
5	Gree Develo	n Belt opment	Developr Maintanano Be	nent and ce of Gre elt	l en		25			2.5	
6	Green I	nitiative	Installat Maintan Winc	tion and nance of dmill			50			5	
7	Occupatio and S	onal Health Safety	PPE, Safety	y Trannii	ng		25			2.5	
8	Social We Uplif	elfare and tment	ESC B	Budget			25			2.5	
51.S	torage	of che	emicals	(infl sub	ama star	abl ace	e/explo es)	osiv	e/haz	zardou	s/toxic
Descri	Description Status Location				Stora Capac in M	ige city IT	Maximum Quantity of Storage at any point of time in MT	Consu / Mo I	imption onth in MT	Source of Supply	Means of transportation

ageno aness			Signature:
Abhay Pimparkar (Secretary 🏻	SEAC Meeting No: 149th Day - 5 Meeting Date:	Page 10	Dr. Umakant Dangat
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Methanol	Existing & Proposed	Within plo	ot	69 KL, 24 KL	69 KL, 24 KL	refer PFR	from nearby source	By road
Ethanol	Existing & Proposed	Within plo	ot	2 nos. of 16 KL	2 nos. of 16 KL	refer PFR	from nearby source	By road
Toluene	Existing & Proposed	Within plot		2 nos. of 15 KL	2 nos. of 15 KL	refer PFR	from nearby source	By road
Acetic Acid	Existing & Proposed	Within plo	ot	100 KL, 50 KL	100 KL, 50 KL	refer PFR	from nearby source	By road
Caustic Lye	Existing & Proposed	Within plo	ot	2 nos. of 35 KL	2 nos. of 35 KL	refer PFR	from nearby source	By road
Ethyl Acetate Storage Tank	Existing & Proposed	Within plo	ot	20 KL, 30 Kl	20 KL, 30 Kl	refer PFR	from nearby source	By road
Phosphorus Trichloride	Existing & Proposed	Within plo	ot	2 nos. of 80 KL	2 nos. of 80 KL	refer PFR	from nearby source	By road
Codex 661	Existing & Proposed	Within plo	ot	120 KL, 80 KL	120 KL, 80 KL	refer PFR	from nearby source	By road
Codex 8503/ Codex 4503/ Codex 5323	Existing & Proposed	Within plo	ot	40 KL, 160 KL	40 KL, 160 KL	refer PFR	from nearby source	By road
Formaldehyde	Existing & Proposed	Within plo	ot	2 nos. of 30 KL	2 nos. of 30 KL	refer PFR	from nearby source	By road
Phenol	Existing	Within plo	ot	78 KL	78 KL	refer PFR	from nearby source	By road
HCl	Existing & Proposed	Within plo	ot	210 Kl, 190 KL	210 KL, 190 KL	refer PFR	from nearby source	By road
Biocel Solution	Existing	Within plo	ot	30 KL	30 KL	refer PFR	from nearby source	By road
Biocel 90	Existing & Proposed	Within plo	ot	2 nos. of 10 KL	2 nos. of 10 KL	refer PFR	from nearby source	By road
Aniline	Proposed	Within plo	ot	30 KL	30 KL	refer PFR	from nearby source	By road
Methane Sulphonic Acid	Proposed	Within plo	ot	30 KL	30 KL	refer PFR	from nearby source	By road
		52.A	ny Ot	her Info	rmation	l		
No Information Availa	ble							
		53.	Гraffi	c Mana	gement			
	Nos. of t to the m design o confluer	the junction aain road & of nce:						



	Num baser	ber and area of ment:				
	Num podia	ber and area of a:				
	Total	l Parking area:	790 sq.m			
	Area	per car:				
	Area	per car:				
Parking details:	Num Whee appro comp authe	ber of 2- elers as oved by petent ority:				
	Num Whee appro comp authe	ber of 4- elers as oved by petent ority:				66
	Publi	ic Transport:				
	Widt roads	h of all Internal s (m):	as per MIDC DC rule			
	CRZ/ obtai	RRZ clearance	Not applicable			
	Dista Prote Critic areas areas boun	nnce from ected Areas / cally Polluted s / Eco-sensitive s/ inter-State daries	Not applicable	S		
	Categ schee Notif	gory as per dule of EIA fication sheet	5 (f)- B Synthetic orga	nic cher	nical manufa	cturing facility
	Cour if any	t cases pending y	Not applicable			
	Othe: Infor	r Relevant mations	Not applicable			
	Have subm Appli on M	e you previously nitted ication online IOEF Website.	Yes			
	Date subn	of online nission	03-03-2018			
SEAC	DIS	CUSSION	ON ENVIRO	NMI	ENTAL	ASPECTS
Environmental Impacts of the project	Not A	applicable				
Water Budget	Not A	pplicable				
Waste Water Treatment	Not A	applicable				
Drainage pattern of the project	Not A	applicable				
Ground water parameters	Not A	applicable				
Solid Waste Management	Not A	applicable				
Abhay Pimparkar (Secretary SEAC-I)		e: 149th Day - 5 Meeting April 6, 2018	j Date:	Page 12 of 77	Signature: Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)	

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.

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

DECISION OF SEAC

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

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

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

PP has obtained earlier EC vide No. SEAC-2010/CR-516/TC-2 dated 06.07.2011; PP to submit certified compliance of the EC from Regional Offcie of MoEF&CC, Nagpur.

Specific Conditions by SEAC:

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

2) No tree cutting shall be allowed for proposed development; PP to submit revised lay out plan showing entry/exit gates, internal roads with minimum width of six meters and turning radius of nine meters, location of pollution control equipment, parking areas, 33% green belt within the premises, solid and hazardous waste storage areas, rain water harvesting etc.

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

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

5) PP to submit elevation drawings of the proposed manufacturing building. PP also to submit stability certificate of existing structures.

6) PP to submit details of the waste material management plan in the EIA report.

7) PP to include all stacks height calculations in the EIA report.

8) PP to submit design details of ETP to achieve Zero Liquid Discharge.

9) PP to carry out HAZOP and Risk Assessment study and submit a Disaster Management Plan.

10) PP to submit CSR plan to be prepared in consultation with the District Authorities along with its implementation

schedule. PP to maintain separate account for CSR funds.

Sile

11) PP to include chemical handling protocol in the EIA report.

12) PP to submit details of the use of non conventional energy in the EIA report.

13) 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.



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

SEAC Meeting number: 149th Day - 5 Meeting Date April 6, 2018

Subject: Environment Clearance for Environment Clearance for Proposed Production of MS Billet Capacity 750 MTD Is a Violation Case: No 1.Name of Project Bhagyalaxmi Metals Pvt.Ltd. (Formerly known as Bhagyalaxmi Rolling Mill Ltd) 2.Type of institution Private **3.Name of Project Proponent** Mr. Nitin Kabra 4.Name of Consultant Mantras Green Resources Limited, Nashik. **5.Type of project** MS Billets and TMT Bars 6.New project/expansion in existing project/modernization/diversification Proposed MS Billets and TMT Bars in existing project 7.If expansion/diversification. whether environmental clearance Existing rolling mill does not attract provision of Prior Environmental Clearance. has been obtained for existing project 8.Location of the project Gut No. 30, Adjacent to MIDC (Daregaon Grampanchayat) 9.Taluka Jalna 10.Village Daregaon Mr. Nitin Kabra **Correspondence Name: Room Number:** Gut No. 30 Floor: NA **Building Name:** NA Road/Street Name: Daregaon Locality: Adjacent to Jalna MIDC Daregaon Grampanchayat City: Jalna **11.Area of the project** Daregaon Grampanchayat Not Applicable 12.IOD/IOA/Concession/Plan IOD/IOA/Concession/Plan Approval Number: Daregaon Grampanchayat NOC Approval Number Approved Built-up Area: 4701 13.Note on the initiated work (If No applicable) 14.LOI / NOC / IOD from MHADA/ MIDC Other approvals (If applicable) 15.Total Plot Area (sq. m.) 36,400 m2 (land earmarked for proposed plant is 21100.17 SQM) **16.Deductions** Not applicable **17.Net Plot area** Not applicable a) FSI area (sq. m.): Not applicable 18 (a).Proposed Built-up Area (FSI & b) Non FSI area (sq. m.): Not applicable Non-FSI) c) Total BUA area (sq. m.): 4701 Approved FSI area (sq. m.): 18 (b).Approved Built up area as per Approved Non FSI area (sq. m.): DCR **Date of Approval:** 19.Total ground coverage (m2) Not applicable 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open Not applicable to sky) 21.Estimated cost of the project 161000000 22.Number of buildings & its configuration Serial **Building Name & number** Number of floors Height of the building (Mtrs) number

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1	Ir	ndustrial She	d		01	20 meters		
23.Number tenants an	r of d shops	Not applical	ble					
24.Number expected re users	r of esidents /	Not applical	ble					
25.Tenant per hectar	density e	Not applical	ble					
26.Height building(s)	of the							
27.Right of (Width of t from the n station to t proposed h	f way he road earest fire he wilding(s)	20 metre						
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation				06 m.		0000		
29.Existing structure (J s) if any	Existing roll installing ne	tisting rolling mill shed and office. Expansion will be carried out in proposed open area by stalling new furnace two nos of 30 MT furnaces will be installed.(30X13=390 and 30X13=390					
30.Details of the demolition with disposal (If applicable)				000				
	31.Production Details							
		duct Existing (MT/M) Proposed (MT/M) Total (MT/M)						
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
Serial Number 1	Proo MS E	duct Billets	Existing	(MT/M)	Proposed (MT/M) 22500	Total (MT/M) 22500		
Serial Number 1 2	Proe MS E TMT	duct Billets bars	Existing	(MT/M) 0 000	Proposed (MT/M) 22500 0	Total (MT/M) 22500 25000		
Serial Number 1 2	Proc MS E TMT	duct billets bars 3	Existing 250 2.Tota	(MT/M) 0 0000 1 Wate	Proposed (MT/M) 22500 0 r Requiremen	Total (MT/M) 22500 25000 t		
Serial Number 1 2	Proc MS E TMT	duct billets bars 3 Source of v	Existing 250 2.Tota vater	(MT/M) 0 0000 1 Water Own captive	Proposed (MT/M) 22500 0 r Requiremen e water Reservoir	Total (MT/M) 22500 25000 t		
Serial Number 1 2	Proo MS E TMT	duct billets bars 3 Source of v Fresh wate	Existing 250 250 250 250 250 250 250 250 250 250	(MT/M) 0 000 1 Water Own captive 110 CMD (I	Proposed (MT/M) 22500 0 r Requiremen e water Reservoir s required for daily Top y	Total (MT/M) 22500 25000 t		
Serial Number 1 2	Proc MS E TMT	duct billets bars 3 Source of v Fresh wate Recycled w Flushing (Existing 250 250 250 250 250 250 250 250 250 250	(MT/M) 0 0000 1 Water 0wn captive 110 CMD (I 127 CMD fr	Proposed (MT/M) 22500 0 r Requiremen e water Reservoir s required for daily Top to rom industrial process	Total (MT/M) 22500 25000 t		
Serial Number 1 2	Proo	duct sillets bars 3 Source of v Fresh wate Recycled w Flushing (0 Recycled w Gardening	Existing 250 250 250 250 250 250 250 250 250 250	(MT/M) 0 000 1 Water 0wn captive 110 CMD (I 127 CMD fr 35 CMD (15	Proposed (MT/M) 22500 0 r Requirement e water Reservoir s required for daily Top to rom industrial process 5.5 Treated water from S	Total (MT/M) 22500 25000 t up) TP will be used for gardening)		
Serial Number 1 2	Prod MS E TMT	duct billets bars 3 Source of v Fresh wate Recycled w Flushing (C Recycled w Gardening Swimming make up (C	Existing 250 250 250 250 250 250 250 250 250 250	(MT/M) 0 0000 1 Water 0 000 1 0 CMD (I 127 CMD fr 35 CMD (15 Not applica	Proposed (MT/M) 22500 0 r Requirement e water Reservoir s required for daily Top to rom industrial process 5.5 Treated water from S ble	Total (MT/M) 22500 25000 t up) TP will be used for gardening)		
Serial Number 1 2 Dry season	Prod MS E TMT	duct sillets bars 3 Source of v Fresh wate Recycled w Flushing (C Recycled w Gardening Swimming make up (C Total Wate Requireme :	Existing 250 22.Tota vater r (CMD): vater - CMD): vater - (CMD): pool Cum): r nt (CMD)	(MT/M) 0 000 1 Water 0 000 1 Water 110 CMD (I 127 CMD fr 35 CMD (15 Not applica 256.5 CMD	Proposed (MT/M) 22500 0 r Requiremen e water Reservoir s required for daily Top to rom industrial process 5.5 Treated water from S ble	Total (MT/M) 22500 25000 t up) TP will be used for gardening)		
Serial Number 1 2 Dry season	Prod MS E TMT	duct iillets bars 3 Source of v Fresh wate Recycled w Flushing (C Recycled w Gardening Swimming make up (C Total Wate Requireme : Fire fightin Undergrou tank(CMD)	Existing 250 250 250 250 250 250 250 250 250 250	(MT/M) 0 000 1 Water 0 000 1 Water 110 CMD (I 127 CMD fr 35 CMD (15 35 CMD (15 256.5 CMD 150 CMD	Proposed (MT/M) 22500 0 r Requirement e water Reservoir s required for daily Top to rom industrial process 5.5 Treated water from S ble	Total (MT/M) 22500 25000 t up) TP will be used for gardening)		
Serial Number 1 2 Dry season	Prod MS E TMT	duct iillets bars 3 Source of v Fresh wate Recycled w Flushing (0 Recycled w Gardening Swimming make up (0 Total Wate Requireme : Fire fightin Undergrou tank(CMD) Fire fightin Overhead v tank(CMD)	Existing 250 250 250 250 250 250 250 250 250 250	(MT/M) 0000 1 Water 110 CMD (I 127 CMD fr 35 CMD (15 Not applica 256.5 CMD 150 CMD	Proposed (MT/M) 22500 0 r Requirement e water Reservoir s required for daily Top of com industrial process 5.5 Treated water from S ble ank is proposed	Total (MT/M) 22500 25000 t up) TP will be used for gardening)		

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		Source of wa	ter	Own captive water Reservoir						
		Fresh water	(CMD):	110 CMD (Is required for daily Top up)						
		Recycled wat Flushing (CN	ter - 1D):	127 CMD fro	m industrial p	rocess				
		Recycled wat Gardening ((cer - CMD):	35 CMD (15.5 Treated water from STP will be used for gardening)						
		Swimming p make up (Cu	ool m):	Not applicable						
Wet seaso	n:	Total Water Requirement :	t (CMD)	256.5 CMD	256.5 CMD					
		Fire fighting Underground tank(CMD):	- l water	150 CMD				6		
		Fire fighting Overhead wa tank(CMD):	- ter	Over head ta	nk is proposed	l				
		Excess treate	ed water	Not applicab	le					
Details of an pool (If an	Swimming y)	Not applicable	è							
		33	.Detail	s of Total	water cor	nsume	1			
Particula rs	Cons	sumption (CM	I D)	I	.oss (CMD)	5	Effluent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	12.20	7.24	19.445	2.5	1.4	3.9	9.7	5.8	15.5	
Industrial Process	0	127	127	0	50	50	0	77	77	
Cooling tower & thermopa ck	57	0	57	22	0	22	35	0	35	
Gardening	25	10	35	25	10	35	0	0	0	
		Level of the water table:	Ground	Pre monsoon ground level	10-15 M belo	w ground	level. Post m	onsoon 5-10 M	1 below	
		Size and no tank(s) and Quantity:	of RWH	Proposed Rainwater harvesting will be Two nos. (Number of Tank will be increased if require)						
	SY	Location of t tank(s):	he RWH	Within the premises						
34.Rain V Harvestii	Water ng	Quantity of r pits:	echarge	10 Nos						
(RWH)	5	Size of recha	rge pits	Rainwater ha	arvesting plan	incorpora	ted in EIA Re	eport		
		Budgetary al (Capital cost	location) :	28.00 lakhs						
		Budgetary al (O & M cost)	location :	6.00 lakhs.						
		Details of UC if any :	GT tanks	Under groun tank if requir	d water is then red will be con	re for fire structed	fighting as p	er norms. Add	itional	

2-00 theres			Signature:
CC69			Name: Dr. Umakant Gangatrao Dangat
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	Natural water drainage pattern:	Storm water drain system will be constructed around the plant.					
35.Storm water drainage	Quantity of storm water:	Incorporated in EIA report					
	Size of SWD:	Incorporated in EIA report					
	Sewage generation in KLD:	15.5 KLD					
	STP technology:	MBBR Technology					
Sewage and	Capacity of STP (CMD):	1 no & 20 KLD capacity					
Waste water	Location & area of the STP:	In the premises					
	Budgetary allocation (Capital cost):	12.50 Lakhs					
	Budgetary allocation (O & M cost):	4.40 Lakhs					
	36.Soli	d waste Management					
Waste generation in	Waste generation:	Construction waste debris					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Will be utilized in making of internal road.					
	Dry waste:	Slag, process dust: 30 MTD. Disposal: Slag and process dust will be sale to bricks manufacturers.					
	Wet waste:	No					
Waste generation	Hazardous waste:	No					
in the operation Phase:	Biomedical waste (If applicable):	No					
	STP Sludge (Dry sludge):	0.2 MTA					
	Others if any:	Not applicable					
	Dry waste:	Slag will be crushed in slag crusher and iron will be recovered by magnet for reuse in induction furnace. Remaining slag is used for brick making, concrete mixing and disposed off to local brick making units; slag was used on trial basis for concreting of roads inside the factory.					
	Wet waste:	No					
Mode of Disposal	Hazardous waste:	No any hazardous waste will be generated in this unit					
of waste.	Biomedical waste (If applicable):	Not Applicable					
	STP Sludge (Dry sludge):	It will used as manure for gardening plantation.					
	Others if any:	Not Applicable					
	Location(s):	Within the plant area.					
Area requirement:	Area for the storage of waste & other material:	500 Sq.mtr					
	Area for machinery:	100 sqm area for slag crusher.					



Budgetary allocation Capital cost		cost:	t: 75.00 Lakhs									
O&M cost)	:	0 & M c	ost:	: 15. Lakhs								
37.Effluent Charecterestics												
Serial Number	Paran	neters	Unit		Inlet E Charect	Effluent Outlet terestics Charee		utlet 1 narect	tlet Effluent recterestics		Effluent discharge standards (MPCB)	
1	Not Ap	plicable	Not Applical	ole	Not Ap	plicabl	le	N	lot Ap	plicabl	е	Not Applicable
Amount of e (CMD):	effluent gene	eration	112									
Capacity of	the ETP:		150									
Amount of t recycled :	reated efflue	ent	112									6
Amount of v	vater send to	o the CETI	P: No									
Membershi	p of CETP (if	require):	No									
Note on ET	P technology	to be use	d Settling	tan	ık will be cor	nstruct	ed for	treatr	nent o	f waste	e wate	r.
Disposal of	the ETP sluc	lge	For bric	k m	anufacturing	g.						
			38.	Ha	zardous	Was	ste D	etai	ls)	
Serial Number	Descr	iption	Cat		UOM	Exis	ting	Prop	osed	То	tal	Method of Disposal
1	Not Apj	plicable	Not Applical	ole	Not Applicable	N Appli	ot cable	N Appli	ot cable	N Appli	ot cable	Not Applicable
39.Stacks emission Details												
Serial Number Section & units Fu		Fuel Q	Fuel Used with Quantity		Stack No.		Hei fro grou level	ght om und (m)	Inte diam (n	rnal leter n)	Temp. of Exhaust Gases	
1	Induction F Rollin	'urnace an g Mill	d E	lect	ricity	1	1 35		1.	6	50 degree centigrade	
			40.]	De	tails of F	uel	to be	e use	ed			
Serial Number	Тур	e of Fuel			Existing			Prop	osed			Total
1	El	ectricity			4.5 MW			201	MW			24.5 MW
41.Source o	f Fuel	C .	М	MSEDCL								
42.Mode of	Transportat	ion of fuel	to site Tr	ans	smission line							
		Total RC	area :		33% of the	open a	area wi	ill be p	orovide	ed for g	green I	belt development
	9	No of tro :	ees to be c	ut	00							
43.Gree	n Belt	Number be plant	of trees to ed :	•	Existing pla palnted in g	intatio green l	n is up pelt.	oto 150) nos a	and 15	00 nun	nbers of trees will be
Develop	ment	List of p native tr	roposed ees :		Neem, Bab	ul, Bak	cul, Ma	ango,A	apta, l	Ber.		
		Timeline complet plantatio	e for ion of on :		Two years							
	44.Nu	nber a	nd list o	f t	rees spe	cies	to b	e pla	nte	d in t	the g	jround
Serial Number	Name of	the plant	Com	mo	n Name		Qua	ntity		Cha	aracte	eristics & ecological importance
Abhay Pimp SEAC-I)	AC Meeting) No	o: 149th Day April 6, 2018	- 5 Me	eting l	Date:	Pa	ge 19 of 77	Signat Name: Dr. U (Chai	ure: Dr. Umakant Gangetzeo Dangat makant Dangat rman SEAC-I)		

1	Azadirach	ata Indica	Ne	em	5	00	Shady tree ,medicinal use		
2	Acacia	nilotica	Ba	bul	2	00	Shady tree with yellow flowers		
3	Deloni	x Regia	Gulm	nohar	20	00	Shady tree ,small white fragrant flowers		
4	Ficus R	eligiosa	Pee	epal	1	00	Semi- diciduous		
5	Saraca	a Asoca	Ash	loka	5	00	Semi- diciduous		
45	5.Total qua	ntity of plants on	grou	nd					
46.Nun	nber and	list of shrub	s an	d bushes	s species	to be pla	nted in the podium RG:		
Serial Number		Name		C/C Dista	nce		Area m2		
1	Ame	erican aloe		2*2			4		
2	Blac	k physicnut		3*3			9		
3	Gar	den croton		1*1			1		
4	Cł	nina rose		2*2			4		
		1		47.Eı	nergy				
		Source of power supply :		MSEDCL		C			
		During Constru Phase: (Demano Load)	During Construction Phase: (Demand Load)		1 MW				
		DG set as Power back-up during construction phase		500 KVA 2 nos					
Der		During Operation phase (Connected load):		24.5 MW					
require	ement:	During Operation phase (Demand load):		24.5 MW					
		Transformer:	\mathbf{X}	Yes					
		DG set as Power back-up during operation phase:		500 KVA 2 nos					
		Fuel used:		Electricity					
	6	Details of high tension line pas through the plo any:	sing t if	NA					
	CY	48.Energy	savi	ng by no	n-conver	ntional m	ethod:		
Not Applica	ble								
		49.D e	tail	calculati	ons & %	of saving	J:		
Serial Number	E	nergy Conservat	ion Me	easures			Saving %		
1		Not Applie	able				Not Applicable		
		50.Det	ails	of polluti	ion cont	rol Syster	ms		
Source	Ex	isting pollution	contro	ol system		Proposed to be installed			
Rolling Mill		Scrubb	er			Ventury sc	crubber followed by chimney		

approvances?			Signature: Name: Dr. Umakant Gaupatrao Dangan
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Induction furnace	NA					Rotating Hood Fume Extraction System followed by Wet Scrubber			
Noise pollution due to presence of centrifugal pumps, motors, DG sets, EOT Crane	Green Belt (33 %)					There will be pro set	ovision of acoustic enclosure for DG s & Green Belt (33 %)		
Budgetary (Capital	allocation	Capital co	st:	00	I				
0&M	cost):	O & M cos	t:	00					
51	.Envire	onmen	tal Mar	nageme	ent p	olan Budg	etary Allocation		
		a)	Construe	c <mark>tion ph</mark> a	nse (v	with Break-u	ip):		
Serial Number	Attri	butes	Para	meter		Total Cost p	er annum (Rs. In Lacs)		
1	Air Pollution Particulate Matter						1.00		
		b) Operat	ion Phas	e (wi	ith Break-up):		
Serial Number	Comp	onent	Descr	iption	Cap	ital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)		
1	Air Pollution Control Equipment		Pollution Control Equipment for Air Pollution Control Measures			80.00	6.20		
2	Water F Control T	Water Pollution Control Treatment Plants STP will provided		reatment ГP will be vided		12.50	04.40		
3	Solid Manag	Solid Waste Management Manufacturin		te Disposal agement in of Manure Brick acturing		75.00	15.00		
4	Occupational Health Safety Management		Safety Measures in respect to health facilities will be provided to workers Safety workers will be monitored regularly and measures will be taken for the same			10.00	3.00		
5	Environme monit	ental cell & toring	& Management of environment by environment management department			23.50	6.50		
6	Developme Bo	ent of Green elt	Plantation native a species dev green belt of tota	of various nd other veloping the area in 33% al area		6.00	1.00		



51.Storage	51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)										
Description	Status	Locatio	n	A Storage Capacity in MT MT Maximum Quantity of Storage at any point of time in MT		Consumption / Month in MT	Source of Supply	Means of transportation			
Not Applicable	Not Applicable	Not Applica	able	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable			
		52.A	ny Ot	her Info	rmation	l					
No Information Availab	ole										
		53.	Traffi	c Manag	gement						
	Nos. of to the m design o confluer	the junction nain road & of nce:	The sai is 20 m	d Plot is ad tr.	jacent to Ml	IDC area.The w	idth of fron	t of MIDC Road			
	Number basemer	and area of nt:	Not Ap	plicable							
	Number podia:	Number and area of podia:		Not Applicable							
	Total Pa	Total Parking area:		50 sq. mt							
	Area per car:		Not Applicable								
Parking details:	Area per car: Number of 2- Wheelers as approved by competent authority:		Not Applicable								
	Number Wheeler approve compete authorit	r of 4- rs as d by ent ry:	Not Applicable								
	Public T	ransport:	40-50 trucks will be operated after commission of proposed unit for transportation of raw material and finished product.								
	Width o roads (n	f all Internal n):	The sai is 20 m	d Plot is ad	adjacent to MIDC area. The width of front of MIDC Road						
C	CRZ/ RF obtain,	RZ clearance if any:	Not Applicable								
	Distance Protecte Criticall areas / I areas/ in boundar	e from ed Areas / ly Polluted Eco-sensitive nter-State ries	Not Applicable								
	Categor schedul Notifica	y as per e of EIA tion sheet	Catego	ry 'B1' unde	er Schedule	3(a)					
	Court ca if any	ases pending	No								

Abhay Pimparkar (Secretary	SEAC Meeting No: 149th Day - 5 Meeting Date:	Page 22	Signature: Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat
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	Other Relevant Informations	ToR Granted in 77th Meeting of SEAC-I, Held on 15th -16th April 2014 at Maharashtra Economic Development Council, Mumbai. Public Hearing conducted successfully on 11/5/2017 at 11 a.m at the Proposed Factory Site, Dist: Jalna Maharashtra.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS
Environmental Impacts of the project	Not Applicable	
Water Budget	Not Applicable	
Waste Water Treatment	Not Applicable	
Drainage pattern of the project	Not Applicable	
Ground water parameters	Not Applicable	
Solid Waste Management	Not Applicable	
Air Quality & Noise Level issues	Not Applicable	
Energy Management	Not Applicable	
Traffic circulation system and risk assessment	Not Applicable	
Landscape Plan	Not Applicable	
Disaster management system and risk assessment	Not Applicable	
Socioeconomic impact assessment	Not Applicable	
Environmental Management Plan	Not Applicable	
Any other issues related to environmental sustainability	Not Applicable	
5	Brief informa	tion of the project by SEAC
PP obtained ToR from S	EAC in its 77th meeting	held on 15-16 April, 2014.
Public Hearing was con-	ducted on 11.05.2017.	
Now PP submitted EIA /	/EMP report and Public H	learing Report for appraisal.

DECISION OF SEAC

 Abhay Pimparkar (Secretary SEAC-I)
 SEAC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018
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 Dr. Umakant Dangat (Chairman SEAC-I)

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

Specific Conditions by SEAC:

1) PP to submit remarks from the town planning department whether industrial development is permissible on proposed plot as per Regional Plan. PP also to submit copy of NA permission for industrial use to be obtained from District Collector.

2) PP to submit revised lay out plan showing entry/exit gates, internal roads with minimum six meter width, turning radius of nine meters, location of waste storage, location of pollution control equipment, 33% green belt etc. 3) PP to submit revised water balance calculations.

4) PP to explore the possibility to use micro channeling to cool the molten mass to save and reuse energy.

5) PP to include interpretation of baseline data and conclusion on the air, water, soil, noise monitoring results along with reasoning and mitigation measures in the EIA report.

6) PP to submit details on the reuse/disposal of the dust coming out of the ventuary scrubber.

7) PP to submit point wise compliance with time bound action plan to redress the issues raised during Public Hearing. 8) PP to submit socio economic survey report.

9) PP to include all above information in the EIA report and submit revised EIA report.

FINAL RECOMMENDATION

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

aggrotinger Abhay Pimparkar (Secretary SEAC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018 SEAC-D

Signature: Name: Dr. Umakant Gangatrao Dangat **Page 24** Dr. Umakant Dangat of 77 (Chairman SEAC-I)

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149th Meeting of State Expert Appraisal Committee (SEAC-1)								
SEAC Meeting number: 149th Day - 5 Meeting Date April 6, 2018								
Subject: Environment Clearance for Mining of Mineral (Open cast)								
Is a Violation Case: No								
1.Name of Project	Satuk Manganese Mine							
2.Type of institution	Government							
3.Name of Project Proponent	M/s MOIL Limited							
4.Name of Consultant	Wolkem India Limited ,Udaipur ,Rajasthan							
5.Type of project	Mining Project							
6.New project/expansion in existing project/modernization/diversification in existing project	New project							
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable							
8.Location of the project	Topo sheet No 55 O/7							
9.Taluka	Parseoni							
10.Village	Satuk							
Correspondence Name:	Mr. Dipanker Shome							
Room Number:	NA							
Floor:	NA							
Building Name:	MOIL Bhawan							
Road/Street Name:	1-A ,Katol Road,							
Locality:	Katol Road							
City:	Nagpur							
11.Area of the project	Not applicable							
	Approved Mining plan with PMCP							
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Mining Plan and Progressive Mining Closure Plan under Rule 16 (1) of MCR, 2016 and Rule 23 B of MCDR 1988 in respect of an area over 5.62 ha in village Satuk is approved by Regional Controller, Nagpur Region, IBM vide letter no. NGP/MN/MPLN-1172/NGP-2016 on dated 9.08.2016.							
	Approved Built-up Area:							
13.Note on the initiated work (If applicable)	Not applicable							
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The LOI for Mining Lease has been granted to MOIL over an area of 5.62 ha in village Satuk, Tah.: Parseoni of Dist: Nagpur of Maharashtra State by Government of Maharashtra vide letter number MMN-0216/L. No. 21/Industry-9, Mumbai dated 06.04.2016.							
15.Total Plot Area (sq. m.)	5.62 Ha							
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.):							
	Approved FSI area (sq. m.):							
DCR	Approved Non FSI area (sq. m.):							
	Date of Approval:							
19.Total ground coverage (m2)	Not applicable							
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable							
21.Estimated cost of the project	5500000							

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018	Page 25 of 77	Signature: Name: Dr. Umakant Gangeteso Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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22.Number of buildings & its configuration									
Serial number	Buildin	g Name & r	umber	Nu	mber of floors		Height of the building (Mtrs)		
1	1	Not applicabl	e	1	lot applicable		Not applicable		
23.Number of tenants 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						6		
27.Right of (Width of t from the n station to t proposed b	f way che road earest fire che ouilding(s)	Not applica	ble				0060		
28.Turning for easy ac fire tender movement around the excluding for the pla	y radius cess of from all building the width ntation	Not applicable							
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 Detail	S			
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT	'/ M)	Total (MT/M)		
1	Mangar	iese Ore		C	642 (7700 TPA	A)	642 (7700 TPA)		
		3	2.Tota	l Wate	r Requirer	nent			
Gill									



		Source of wa	ter	Not applicable								
Fresh water (CMD):		5										
		Recycled wat Flushing (CM	er - 1D):	Not applicable								
		Recycled wat Gardening (C	er - CMD):	Not applicat	ole							
		Swimming po make up (Cu	ool m):	Not applicat	ole							
Dry seasor	1:	Total Water Requirement :	: (CMD)	5								
		Fire fighting Underground tank(CMD):	- I water	Not applicat	ble			6				
		Fire fighting Overhead wa tank(CMD):	- ter	Not applicat	ble							
		Excess treate	ed water	Not applicab	ole							
		Source of wa	ter	Not applicab	ole							
		Fresh water	(CMD):	5								
		Recycled wat Flushing (CM	er - ID):	Not applicat	ole							
		Recycled water - Gardening (CMD):		Not applicable								
		Swimming po make up (Cu	ool m):	Not applicable								
Wet seaso	n:	Total Water Requirement :	: (CMD)	5								
		Fire fighting - Underground water tank(CMD):		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 Tota	l water co	nsume	d					
Particula rs	Cons	sumption (CM	D)	I	loss (CMD)		Eff	fluent (CMD)				
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total			
Fresh water requireme nt	0	5	5	0	0	0	0	0	0			
Domestic	0	2	2	0	0	0	0	0	0			
Gardening	0	1	1	0	0	0	0	0	0			
Domestic												

agenorations?			Signature:
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	Level of the Ground water table:	Static water level during winter is about 6 mts from ground surface ans about 8 mts during summer .					
	Size and no of RWH tank(s) and Quantity:	Proposed					
	Location of the RWH tank(s):	Proposed					
34.Rain Water Harvesting	Quantity of recharge pits:	Proposed					
(RWH)	Size of recharge pits :	1.29 Ha area will be left for rain water storage					
	Budgetary allocation (Capital cost) :	-					
	Budgetary allocation (O & M cost) :	-					
	Details of UGT tanks if any :	Not applicable					
25 Storm sustan	Natural water drainage pattern:	Not applicable					
drainage	Quantity of storm water:	Not applicable					
	Size of SWD:	Not applicable					
	Sewage generation in KLD:	Not applicable					
	STP technology:	Not applicable					
Sewage and	Capacity of STP (CMD):	Not applicable					
Waste water	Location & area of the STP:	Not applicable					
	Budgetary allocation (Capital cost):	Not applicable					
	Budgetary allocation (O & M cost):	Not applicable					
	36.Soli	d waste Management					
Waste generation in	Waste generation:	3553 MT Mineral reject as Over burden					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Not applicable					
	Dry waste:	Not applicable					
	Wet waste:	Not applicable					
X47	Hazardous waste:	Not applicable					
in the operation Phase	Biomedical waste (If applicable):	Not applicable					
I HUGO,	STP Sludge (Dry sludge):	Not applicable					
	Others if any:	Not applicable					



Di		Dry waste:		Over burde	Over burden will be dumped in the mining lease area						
		Wet waste	•	Not applicable							
Mode of Disposal of waste: Hazardou Biomedica applicable		Hazardous	waste:	Not applicable							
		Biomedica applicable	l waste (If):	Not applica	Not applicable						
		STP Sludg sludge):	e (Dry	Not applica	ble						
		Others if a	ny:	Not applica	ble						
		Location(s):	Not applica	ble						
Area requirem	ent:	Area for th of waste & material:	e storage other	torage her Not applicable						A	
		Area for m	achinery:	Not applica	ble						
Budgetary	allocation	Capital cos	st:	Not applica	ble						
(Capital co O&M cost)	st and	0 & M cos	t:	Not applica	ble						
			37.Ef	fluent C	hare	cter	estics				
Serial Number	Paran	neters	Unit	Inlet E Charect	ffluer teresti	it ics	Outlet I Charect	Effluen erestic	it cs	Effluent discharge standards (MPCB)	
1	Not apj	plicable	Not applicable	Not ap	plicabl	е	Not app	plicable	cable Not applicable		
Amount of effluent generation Not applie			Not applica	applicable							
Capacity of	the ETP:		Not applica	licable							
Amount of treated effluent Not applica			ble								
Amount of v	vater send to	o the CETP:	Not applica	ble	5						
Membershi	p of CETP (if	f require):	Not applica	ble							
Note on ET	P technology	v to be used	Not applica	ble							
Disposal of	the ETP sluc	lge	Not applica	ble							
			38.H a	zardous	Was	ste D	etails				
Serial Number	Descr	iption	Cat	UOM	Exis	ting	Proposed	Tot	al	Method of Disposal	
1	Not app	plicable	Not applicable	Not applicable	N appli	ot cable	Not applicable	No applic	t able	Not applicable	
			39.S t	acks em	issio	n De	etails				
Serial Number	Section	& units	Fuel Us Qua	ed with ntity	Stacl	k No.	Height from ground level (m)	Inter diame (m	nal eter)	Temp. of Exhaust Gases	
1	Not applicable Not ap		plicable	N appli	ot cable	Not applicable	No applic	t able	Not applicable		
			40.De	tails of F	^r uel	to be	e used				
Serial Number	Тур	e of Fuel		Existing			Proposed			Total	
1		HSD		0		As p	per requirem	ient	ŀ	As per requirement	
41.Source of	f Fuel		Provi	de by Author	rized p	erson					
42.Mode of	Transportat	ion of fuel to	site Trucl	ζS							



		Total RG a	rea :	3.785 Ha will be planted					
		No of trees	s to be cut	Not applicable					
43.Gree	n Belt	Number of be planted	f trees to	3785					
Develop	ment	List of pro native tree	posed es :	Neem, Shis	ham, Amalta	s ,Mango ,Ka	aranj,Pipal ,Sagwan ,Bel ,Siras		
		Timeline f completion plantation	or n of :	5 years					
	44.Nu	mber and	l list of t	rees spe	cies to b	e planted	l in the ground		
Serial Number	Name of	the plant	Commo	n Name	Qua	ntity	Characteristics & ecological importance		
1	Azadirac	hta indica	Ne	em	50	00	Pollution tolerant & Medicinal		
2	Dalbarg	jia Sisso	Shis	ham	30	00	Pollution tolerant & Medicinal		
3	Cassia	fistula	Ama	altas	40	00	Pollution tolerant & Medicinal		
4	Mangife	ra Indica	Ma	ngo	60	00	Pollution tolerant & Medicinal		
5	Pongami	a Pinnata	Kai	ranj	400		Pollution tolerant		
6	Ficus r	eligious	Pij	pal	400		Pollution tolerant & Medicinal		
7	Tectona	grandis	Sag	wan	300		Pollution tolerant & Medicinal		
8	Aegel m	armelos	В	el	400		Pollution tolerant & Medicinal		
9	Albizz	zia Sp.	Sin	ras	400		Pollution tolerant		
10									
45	.Total qua	ntity of plar	nts on grou	nd					
46.Num	nber and	list of sl	hrubs an	d bushes	species	to be pla	nted in the podium RG:		
Serial Number		Name		C/C Dista	nce		Area m2		
1	Not	applicable		Not applic	able		Not applicable		
	47.Energy								
Give Color									



		Source of supply :	power	M.S.E.B. 11 manganese	M.S.E.B. 11 KV Line is provided up to village Satuk and near manganese deposit of Satuk area.					
		During Co Phase: (Do Load)	nstruction emand	Not applica	Not applicable					
		DG set as back-up d constructi	Power uring on phase	Not applica	ble					
		During Op phase (Co load):	eration nnected	Not applicable						
require	ement:	During Op phase (De load):	eration mand	Not applica	Not applicable					
		Transform	ier:	Not applica	ble					
		DG set as back-up d operation	Power uring phase:	Not applica	ble		00			
		Fuel used		HSD						
			high 1e passing 1e plot if	Not applica	Not applicable					
		48.Ene	ergy savi	ng by no	n-con	ventional m	nethod:			
Not applical	ole									
		4	9.Detail	calculati	ons &	% of saving	g:			
Serial Number	Е	cnergy Cons	ervation M	easures			Saving %			
1		Not	applicable	Not applicable						
		50	.Details	of polluti	ion co	ontrol Syste	ms			
Source		Existing po	ollution cont	trol system		Pr	oposed to be installed			
Mining ,Loading an unloading .transportati of Minerals	d on s		NIL			All Environmen	ital mitigation measures will be done as per MPCB.			
Budgetary	allocation	Capital co	st:	Not applicable						
O&M o	cost and cost):	0 & M cos	:t:	Not applicable						
51	.Envir	onmen	tal Mar	nageme	ent p	lan Budg	etary Allocation			
	9	a)	Construe	c tion ph a	se (w	ith Break-u	ı p):			
Serial Number	Attri	butes	Parai	meter		Total Cost p	oer annum (Rs. In Lacs)			
1	Not ap	ot applicable Not ap		plicable		Ν	Not applicable			
		b) Operat	ion Phas	e (wit	h Break-up):			
Serial Number	Comp	onent	Descr	iption	Capit	al cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Pollution	n Control	Garland Di sprinkler, wa	rain, Water retaining lls)		4.0	1.0			

a sector these			Signature:
			Name: Dr. Umakant Gangetreo Dangat
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2	Pollution	Monitoring	Air, soil, W	ater, Noise 5.0			1.0					
3	Occupati	onal Health	Medica	al check		10.0			2.0			
4	Gree	en Belt	Plant	ation		5.0			1.0			
51.5	51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)											
Description Status		Status	Locatio	n	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT		Source of Supply	Means of transportation		
Not app	plicable	Not applicable	Not applica	able	Not applicable	Not applicable	Not a	pplicable	Not applicable	Not applicable		
			52.A	ny Ot	her Inf	ormation	1					
No Informa	ation Availal	ole										
			53.	Traffi	c Mana	gement						
		Nos. of t to the m design o confluer	he junction ain road & f ice:	Not apj	plicable		5	5				
	Number and area of basement:			Not applicable								
		Number podia:	and area of	Not applicable								
		Total Pa	rking area:	Not applicable								
		Area per	car:	Not applicable								
Parking	g details:	Area per Number Wheeler approve compete authorit	Area per car: Number of 2- Wheelers as approved by competent authority:		Not applicable							
			of 4- s as d by ent y:	Not applicable								
		Public T	ransport:	Not applicable								
	5	Width of roads (n	f all Internal 1):	Not applicable								
		CRZ/ RR obtain, i	Z clearance f any:	Not applicable								
		Distance Protecte Criticall areas / H areas/ in boundar	e from d Areas / y Polluted cco-sensitive iter-State ies	Not applicable								
		Category schedule Notifica	y as per e of EIA tion sheet	Catego	ry B-1, Pro	ject activity	-1(a)					

1-000 marss			Signature:
CC60			Name: Dr. Umakant Gangetrao Dangat
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	Court cases pending if any	NO			
	Other Relevant Informations	The proposed Manganese mining area of 5.62 Hectare (ha) in Village: Satuk, Tahsil: Parseoni, Distt; Nagpur- Maharashtra State has been granted lease to M/s. MOIL Limited., for a period of 50 years approved by Regional Controller, Nagpur Region, IBM vide letter no. NGP/MN/MPLN-1172/NGP-2016 on dated 9.08.2016. The proposed manganese ore production is 7700 Tonnes (TPA) ROM. The mining is Opencast mining. The region has good deposits of Manganese and has major demand in Steel Industry. The location advantage of the mine makes it possible to dispatch the Manganese in all the directions giving easy accessibility to the market			
	Have you previously submitted Application online on MOEF Website.	Yes			
	Date of online submission	01-01-1900			
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS			
Environmental Impacts of the project	Not Applicable				
Water Budget	Not Applicable				
Waste Water Treatment	Not Applicable				
Drainage pattern of the project	Not Applicable				
Ground water parameters	Not Applicable				
Solid Waste Management	Not Applicable				
Air Quality & Noise Level issues	Not Applicable				
Energy Management	Not Applicable				
Traffic circulation system and risk assessment	Not Applicable				
Landscape Plan	Not Applicable				
Disaster management system and risk assessment	Not Applicable				
Socioeconomic impact assessment	Not Applicable				
Environmental Management Plan	Not Applicable				
Any other issues related to environmental sustainability	Not Applicable				
	Brief informa	tion of the project by SEAC			
PP submitted their application for the grant of TOR under category 1(a)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.					

Abbay Pimparkar (Secretary	SFAC Meeting No: 149th Day - 5 Meeting Date:	Page 33	Signature: Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat
Abiluy I lilipulkul (Secretury	SLAC Meeting No. 149th Day - 5 Meeting Date.	Tuge 55	DI. Ollukulli Dullyui
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DECISION OF SEAC

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

Public hearing is applicable.

Specific Conditions by SEAC:

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

2) PP to submit lay out plan showing entry/exit gates, internal roads with minimum width of six meters and turning radius of nine meters, location of storage of over burden and top soil, location of mining pits, approach road to the site etc. PP to obtain permission from competent authority to draw ground water.

3) PP to submit copy of approved mining plan. PP also to submit approved mine closure plan from competent authority4) PP submit record of rights document for proposed mining area.

5) PP to include safety measures proposed to prevent any unforeseen accident.

6) PP to obtain permission from competent authority for removal of trees if necessary. PP to use transplantation technique instead of cutting the trees.

7) PP to submit contour plan of the mining area and surrounding area.

8) PP to submit Socio Economic survey report and include its recommendations in the EIA reprot.

9) PP to plan CSR in consultation with the District Authority along with implementation schedule. PP to maintain separate account for CSR funds.

FINAL RECOMMENDATION

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



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

SEAC Meeting number: 149th Day - 5 Meeting Date April 6, 2018

Subject: Environment Clearance for Environmental Clearance for the Proposed expansion & addition of Aroma Chemical manufacturing facility at Plot No. A- 7, MIDC Area, Mahad, Dist. Raigad by Privi Organics India Ltd (Unit I)

Is a Violation Case: No						
1.Name of Project	Environmental Clearance for the Proposed expansion & addition of Aroma Chemical manufacturing facility at Plot No. A- 7, MIDC Area, Mahad, Dist. Raigad by Privi Organics India Ltd (Unit I)					
2.Type of institution	Private					
3.Name of Project Proponent	Privi Organics India Limited (Unit I)					
4.Name of Consultant	Aditya Environmental Services Pvt Ltd					
5.Type of project	Industrial Project					
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Environment clearance for existing facility is obtained. EC letter No. SEAC-2013/CR-242/TC-2 dated 08.10.2015					
8.Location of the project	Plot No A - 7, MIDC Mahad , Dist. Raigad					
9.Taluka	Mahad					
10.Village	Kamble Tarf					
Correspondence Name:	Mr. S. B. Pathare					
Room Number:						
Floor:						
Building Name:						
Road/Street Name:						
Locality:						
City:	-					
11.Area of the project	MIDC Mahad					
	MIDC Mahad					
12.10D/10A/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval					
	Approved Built-up Area: 3842.20					
13.Note on the initiated work (If applicable)	Expansion is within existing manufacturing facility					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plan approval					
15.Total Plot Area (sq. m.)	6525					
16.Deductions	Not applicable					
17.Net Plot area	Not applicable					
10 (a) Brow and Britson Area (ECLS	a) FSI area (sq. m.): Not applicable					
Non-FSI)	b) Non FSI area (sq. m.): Not applicable					
	c) Total BUA area (sq. m.): 3874.63					
	Approved FSI area (sq. m.):					
DCR	Approved Non FSI area (sq. m.):					
	Date of Approval:					
19.Total ground coverage (m2)	Not applicable					
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable					
21.Estimated cost of the project	5000000					

22.Number of buildings & its configuration

Serial number Buildin		ıg Name & number		Number of floors		Height of the building (Mtrs)			
1	Not app		е	ľ	lot applicable	Not applicable			
23.Number of tenants and shops		Not applicable							
24.Number of expected residents / users		Not applicable							
25.Tenant density per hectare		Not applicable							
26.Height of the building(s)									
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)		Min 6 m							
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		Not applicable							
29.Existing structure (s) if any		Existing structures like Production plant, Utilities, storage tanks, material sheds, ETP, Admin bldg., etc. is already constructed.							
30.Details of the demolition with disposal (If applicable)		Not applicable							
31.Production Details									
Serial Number	Pro	duct Existing		(MT/M)	Proposed (MT/M)	Total (MT/M)			
1	Citronellol (COL)		1	0	8	18			
2	2 Styrallyl		Acetate 0		0	0.5			
3	Geranyl nitrile		0.	.5	-0.5	0			
4 Citronello (Citronelly		ol Acetate yl acetate)	0.	.4	1.6	2			

5	Geranyl acetate/Neryl Acetate	0.5	1.5	2
6	Dihydro Myrcenol (DHMOL)	1	0	1
7	Alpha Camphenelic Aldehyde Derivatives	1	0	1
8	Amber Fleur and its derivatives , Amber gamma ,Cedarketol	400	70	470
9	Rose Oxide	0.5	0	0.5
10	Indian Sandal Fleur	1	0	1
11	Indian Sandal Core/Indian sandal fleur	9	16	25
12	Indian Sandal Touch 0.5		0	0.5

approverses			Signature:	
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		i		
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13	Ionones [Gamma Methyl Ionone (GMI) (Violetone Coeur), Normal Methyl Ionone (NMI), Alpha Ionone (AI), Beta Ionone (BI) (Beta Ionone Technical /PG)	7	0	7
14	Geraniol /Nerol Extra Pure	0.5	0	0.5
15	Para Tertiary Butyl Cyclohexyl acetate (PTBCHA)	0.5	0	0.5
16	Amber gamma	50	-50	0
17	Myrcene 90 /Myrcene Supra	50	0	50
18	L-Limonene	25	0	25
19	Citral Extra Pure	30	0	30
20	Aldehyde C11	12	0	12
21	Recovered Acetic Acid (By product)	0	1.18	1.18
22	Dilute Acetic Acid (35-40%) (By product)	0	0.72	0.72
23	Column Tops (By product)	217.86	21.35	240.86
24	Column Bottom Mass (By product)	128.65	-15.63	115.15
25	Dilute Sulpuric Acid (30-40 %) (By product)	0	1.99	1.99
26	Recovered Toluene (By product)	171.66	-31.59	140.07
27	Zinc Bromide Solution (By product)	0	0.17	0.17
28	Aqueous Fluoroboric acid (Fluoroboric acid) (By product)	132.18	-23.61	108.57
29	Phosphoric Acid layer (By product)	104.30	-22.52	81.78
30	Sodium Phosphate Solution (By product)	0	176.72	176.72
31	Sodium Acetate Solution (By product)	0	33.1	33.1
32	Catalyst A (By product)	0	2.74	2.74
33	Recovered Cyclohexane (By product)	0	5.73	5.73
34	Recovered Methanol (By product)	0	26.82	26.82
35	Sodium Borate Solution (By product)	0	11.93	11.93
36	Recovered MEK & Methanol (By product)	0	0.89	0.89

37	Potassiur Solution (E	n Acetate 3y product)	()	4.3	4.3
38	Recovere Chromite (1	ed Copper By product) 0)	0.02	0.02
39	Recovered (By pr	red 2-Butanol 0 v product) 0		0	0.17	0.17
40	Mix of MEk (By pr	EK+Methanol 0 product) 0		0	8.35	8.35
41	Dilute Phos (By pr	phoric Acid oduct)	()	11.27	11.27
42	Recovere Hydrox proc	overed Barium Iydroxide (By product))	2.46	2.46
43	Reaction B (By pr	eaction Bottom Mass (By product)		1	0.02	4.02
44	Rose Dial (1	By product)	y product) 2.2		-2.2	0
45	Dilute Sul (By pr	Dilute Sulpuric Acid (By product)		75	-275	200
46	Tops & Re proc	esidues (By luct)	2	0	0	20
		3	2.Tota	l Wate	r Requiremen	ť
		Source of	water	MIDC		
		Fresh wate	er (CMD):	Not applica	ble	
		Recycled w Flushing (vater - CMD):	Not applica	ble	
		Recycled w Gardening	vater - (CMD):	Not applica	ble	
		Swimming make up (pool Cum):	Not applica	ble	
Dry seasor	1:	Total Wate Requireme :	er ent (CMD)	362		
		Fire fightin Undergrou tank(CMD)	ng - Ind water):	Not applica	ble	
		Fire fightin Overhead tank(CMD)	ng - water):	Not applica	ble	
		Excess trea	ated water	Not applica	ble	



		Source of wa	ter	Not applical	ole							
		Fresh water	(CMD):	Not applical	ole							
		Recycled wat Flushing (CM	er - ID):	Not applicable								
Recycled water - Gardening (CMD):				Not applicable								
Swimming pool make up (Cum):				Not applical	Not applicable							
Wet season: Requirement (CMD) :				Not applicable								
Fire fight Undergro tank(CM			- l water	Not applical	ole		.6					
Fire fighting - Overhead water tank(CMD):				Not applicable								
		Excess treate	ed water	Not applical	ole							
Details of an pool (If an	Swimming y)	Not applicable	•			C						
		33.	.Detail	s of Tota	l water co	nsume	d					
Particula rs	Cons	sumption (CM	D)	Loss (CMD)			Effluent (CMD)					
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total			
Domestic	12.5	0.5	13	2.5	0.5	3	10	0	10			
Industrial Process	88.82	7.18	96	5.58	2.42	8	83.24	4.76	88			
Cooling tower & thermopa ck	219.65	29.35	249	190.65	33.35	224	29	-4	25			
Gardening	5	0	5	5	0	5	0	0	0			
		Level of the (water table:	Ground									
		Size and no c tank(s) and Quantity:	of RWH									
	5	Location of t tank(s):	he RWH	Within the p	lot							
34.Rain V Harvestii	Water ng	Quantity of r pits:	echarge									
(RWH)	5	Size of recha :	rge pits									
		Budgetary al (Capital cost	location) :									
		Budgetary al (O & M cost)	location :									
		Details of UG if any :	T tanks	Not applical	ole							

		Signature:
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	Natural water drainage pattern:	
35.Storm water drainage	Quantity of storm water:	
	Size of SWD:	
	•	
	Sewage generation in KLD:	10 cmd
	STP technology:	
Sewage and	Capacity of STP (CMD):	Sewage sent to Unit III for treatment.
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:	Minor quantity of construction waste
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Construction waste will be disposed off as per norms.
	Dry waste:	Insulation Waste: 650 kg/A, MS scrap: 15.5 TPM, Other waste (wood, Paper , glass, decontaminated plastic etc): 5 TPM, Boiler ash: 4.5 T/Day, Canteen waste: 15 Kg/Day
	Wet waste:	-
Waste generation in the operation Phase:	Hazardous waste:	Spent oil, Waste contaminated with oil (cotton/gaskets/ insulation materials), Discarded containers/barrels/ liners/IBC/Carboys, Chemical sludge form waste water treatment, Sludge from concentration technique (MEE), Spent Solvent, Distillation Residue, Corrosive waste, Spent Carbon/Charcoal, Recovered Catalyst/Spent Catalyst, Process Waste, Resin, Filter pads/Bags
	Biomedical waste (If applicable):	
	STP Sludge (Dry sludge):	
	Others if any:	E waste: 30 Kg/M, Lead acid batteries: 5 Nos./A
	Dry waste:	Non Hazardous waste will be disposed off as per norms.
C Y	Wet waste:	
	Hazardous waste:	Hazardous waste will be disposed off as per Hazardous waste rule 2016.
Mode of Disposal of waste:	Biomedical waste (If applicable):	
	STP Sludge (Dry sludge):	
	Others if any:	



		Location(s):	Within plot						
Area requirement:		Area for th of waste & material:	e storage other							
		Area for m	achinery:							
Budgetary allocation Capital cos		st:								
(Capital cost and O&M cost): 0 & M cos		t:								
			37.Ef	fluent C	harecter	estics				
Serial Number	Paran	neters	Unit	Inlet E Charect	ffluent cerestics	Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)		
1	р	Н	4-6		7-7	.5	6.5-9			
2	CO	DD	mg/L	3500-5000		< 250		250		
3	BO	DD	mg/L	900-1800		< 100		100		
4	NH4+ - N		mg/L	5-10		< 50		50		
5	Oil & Grease		mg/L	15-20		< 10		10		
6	TI	DS	mg/L	3000	-4000	< 2100		2100		
Amount of e (CMD):	effluent gene	eration	123 cmd							
Capacity of	the ETP:		Not applica	ble. Effluent	sent to Unit	t III for treatr	nent.			
Amount of t recycled :	created efflue	ent	Not applica	ble.	C					
Amount of v	water send to	o the CETP:	Effluent ser	nt to Unit III	for treatmen	nt				
Membershi	p of CETP (if	f require):	Not applica	ble.						
Note on ET	P technology	v to be used	Oil & Greas	se trap > Eq	ualization ta	nk > Effluent	sent to Unit	t III for treatment		
Disposal of	the ETP sluc	lge	To CHWTS	DF						
			38.Ha	zardous	Waste D	Details				
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Spei	nt oil	5.1	TPM	0.6	0.4	1	Sale to authorized re- processor		
2	Spent oil Waste contaminated with oil (cotton/gaskets/ insulation material)		5.2	Kg/M	50	50	100	CHWTSDF		
3	Resid Hydro	ues & carbon	20.1	TPM	0.72	0.2	0.92	Sale to authorized party/ CHWTSDF		
4	Disca container linerss/Car	arded rs/barrels/ bouys/IBCS	33.3	Nos./M	260	40	300	Sale to authorized party after decontamination		
5	Chemical s waste wate	ludge form r treatment	34.3	TPM	10	0	10	CHWTSDF		
6	Sludg concen tech	e from atration nique	36.1	TPM	0.9	1.1	2	CHWTSDF or Sale to authorized party		
7	Process	Sludge	20.4	TPM	0	7	7	CHWTSDF or Sale to authorized party		
			39.St	acks em	ission D	etails				

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Serial Number	Section	& units	Fu	uel Us Qua	ed with ntity	Stac	k No.	Height from ground level (m)	Intern diamet (m)	al ter	Temp. of Exhaust Gases
1	3 TPH	Furna FPH Boiler / Ter		Furnace Oil: 4.4 KLPD / Terpene Biofuel: 1.5 KLPD		1		32 m	0.5		150
2	380 KV	A DG set	Η	SD: 10	00 Lit/Hr	r 2	2	4 m	0.15		150
3	380 KV	A DG set	Η	SD: 10	00 Lit/Hr	3	3	4 m	0.15		150
			4	0.De	tails of F	uel	to be	e used			
Serial Number	Тур	e of Fuel			Existing			Proposed			Total
1	Fu	rnace oil			4.4 KLPD			0			4.4 KLPD
2	Terp	ene Biofuel			1.5 KLPD			0			1.5 KLPD
3	HSD				200 Lit/Hr	0 200 Lit/Hr					200 Lit/Hr
41.Source of	of Fuel			from	Nearby sour	ce					
42.Mode of	Transportat	ion of fuel to	site	By ro	ad					5	
		Total RG a	rea :		As per MID	C Nor	ms		3		
		No of trees	s to b	e cut	Not applica	ble					
43.Gree	n Belt	Number of be planted	f trees	s to	Not applica	ble					
Develop	ment	List of pro native tree	posed s :		Not applica	ble					
		Timeline f completion plantation	or 1 of :		Not applica	ble					
	44.Nu	mber and	l list	of t	rees spe	cies	to b	e plante	d in th	le g	round
Serial Number	Name of	the plant	C	ommo	n Name		Qua	ntity	Char	acte i	ristics & ecological mportance
1		-		7 -	-		-	-			
45	5.Total qua	ntity of plar	ts on	grou	nd						
46.Num	nber and	list of sl	irub	s an	d bushes	s spe	cies	to be pla	anted	in t	the podium RG:
Serial Number		Name			C/C Dista	nce			l	Area	m2
1											
	GY				47.E	nerg	ју				



		Source of p supply :	ower	MSEDCL		
		During Cor Phase: (De Load)	nstruction mand	900 KVA		
		DG set as H back-up du constructio	Power Iring on phase	2 nos. of 38	0 KVA	
Der		During Ope phase (Con load):	eration inected	900 KVA		
require	ement:	During Ope phase (Der load):	eration nand	900 KVA		(c
		Transform	er:			
		DG set as H back-up du operation J	Power Iring phase:	2 nos. of 38	0 KVA	00
		Fuel used:		HSD		
		Details of I tension lin through th any:	nigh e passing e plot if			000
		48.Ene	rav savi	na by no	n-co	nventional method:
Not applica	ble		- 313			
		40) Detail	calculati	ons	& % of saving.
Corrigl		I.	.Detail		0113	a /o or saving.
Number	E	nergy Conse	ervation Mo	easures		Saving %
1						
		50.	Details	of polluti	ion c	control Systems
Source	Ex	isting pollu	tion contro	l system		Proposed to be installed
Air Polution			Stack			
Water Pollution		Prir	nary ETP			
Noise Pollution		Acoustics e	nclosure,sile	encer		
Hazardous waste	Disposal	to CHWTSD	F, Sale to au	uthorised par	rty	
Budgetary	allocation	Capital cos	st:			
(Capital O&M	cost and cost):	O & M cost				
51	.Enviro	onment	al Mar	nageme	ent j	plan Budgetary Allocation
		a) (Construc	ction pha	se (v	with Break-up):
Serial Number	Attri	outes	Parai	neter		Total Cost per annum (Rs. In Lacs)
1						
		b)	Operat	ion Phas	e (w	ith Break-up):

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Serial Number	Com	ponent	Description	Cap	ital cost Rs Lacs	. In Opera	tional and ost (Rs. in	Maintenance Lacs/yr)
1	Air Pollu	ition contro	l Form Utilities,DG	Set	2		3	
2	Envir Moi	onmental nitoring	Regaular Monitori	ng	4		3	
3	Water co	r pollution ontrol	ETP		5		46	
4	Hazardo Solio Mana	ous waste & d Waste agement	Storage & Dispos	al	4		12	
5	Gre Deve	en Belt elopment	Development & Maintenance gree belt	en	2		1	
6	Occuption S	nal , Helath afety	& PPE, Safety traini	ng	15		10	3
7	Social Upl	Welfare & iftment	ESC Budget		5		0	
51.5	torag	e of ch	emicals (infl sub	lamab stanc	le/expl es)	osive/ha	zardou	s/toxic
Descri	ption	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Myrc	cene		3 no. of 50 KL	150 KL	150 KL		From Nearby source	By Road
Citr	ral		1 no. of 30 KL	30 KL	30 KL		From Nearby source	By Road
MF	20		1 no. of 30 KL, 1 no. of 30 KL	50 KL	50 KL		From Nearby source	By Road
Causti	ic lye		1 no. of 10 & 1 no. of 8 KL	18 KL	18 KL		From Nearby source	By Road
Meth	anol		2 no. of 8 KL	16 KL	16 KL		From Nearby source	By Road
Tolu	ene		2 no. of 8 KL	16 KL	16 KL		From Nearby source	By Road
Phospho	ric acid		1 no. of 13.5 KL	13.5 KL	13.5 KL		From Nearby source	By Road
Dies	sel		1 no. of 8 KL	8 KL	8 KL		From Nearby source	By Road
Furnac	ce Oil		1 no. of 8 KL	8 KL	8 KL		From Nearby source	By Road
AF mair	ns tank		3 no. of 30 KL, 1 no. of 100 KL, 2 no. of 25 KL, 2 no. of 50 KL	340 KL	340 KL		From Nearby source	By Road

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PCM Crude tank		1 no. of 30 KL, 1 no. of 20 KL	50 KL	50 KL		From Nearby source	By Road	
PCM Top tank		1 no. of 10 KL, 1 no. of 20, 1 no. of 50 KL, 1 no. of 20 KL	100 KL	100 KL		From Nearby source	By Road	
PCM MRD tank		1 no. of 10 KL, 1 no. of 4 KL, 1 no. of 6 KL	20 KL	20 KL		From Nearby source	By Road	
РСМ НВ		1 no. of 6 KL, 1 no. of 4 KL, 1 no. of 6 KL	16 KL	16 KL		From Nearby source	By Road	
PCM mains		1 no. of 10 KL, 1 no. of 10 KL	20 KL	20 KL		From Nearby source	By Road	
Amber fleur crude		1 no. of 30 KL, 1 no. of 20 KL, 1 no. of 8 KL, 1 no. of 30 KL	88 KL	88 KL		From Nearby source	By Road	
Amber fleur Top tank		2 no. of 20 KL,	40 KL	40 KL		From Nearby source	By Road	
Amber fleur MRD tank		3 no. of 20 KL, 1 no. of 20 KL	80 KL	80 KL		From Nearby source	By Road	
Amber fleur HB		2 no. of 8 KL, 1 no. of 20 KL, 1 no. of 15 KL	51 KL	51 KL		Nearby source	By Road	
Amber fleur LF		3 no. of 4 KL, 2 no. of 20 KL	52 KL	52 KL		Nearby source	By Road	
Recover MPO		1 no. of 20 KL	20 KL	20 KL		Nearby source	By Road	
Flouroboric acid		2 no. of 15 KL, 1 no. of 10 KL, 1 no. of 20 KL	60 KL	60 KL		Nearby source	By Road	
Palca crude		1 no. of 4 KL, 1 no. of 6 KL	10 KL	10 KL		Nearby source	By Road	
Spent Phosphoric		1 no. of 20 KL	20 KL	20 KL		Nearby source	By Road	
ISC crude		1 no. of 8 KL, 1 no. of 8 KL	16 KL	16 KL		Nearby source	By Road	
ISC REC. Methanol		1 no. of 15 KL, 1 no. of 15 KL	30 KL	30 KL		Nearby source	By Road	
Recovered Toluene	-	1 no. of 15 KL	15 KL	15 KL		Nearby source	By Road	
Sodium phosphate		1 no. of 20 KL, 1 no. of 30 KL	50 KL	50 KL		Nearby source	By Road	
Sodium acetate		1 no. of 15 KL,	15 KL	15 KL		Nearby source	By Road	
Palca tops		1 no. of 20 KL	20 KL	20 KL		Nearby source	By Road	
Palca MRD		1 no. of 10 KL	10 KL	10 KL		Nearby source	By Road	
Palca mains 1 no. of 20 KL 20 KL 20 KL Nearby source By Road								
52.Any Other Information								
No Information Availa	ble		3.5					
		53.Traffi	c Manag	gement				

agger of the ser Abhay Pimparkar (Secretary SEAC-I)

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	Nos. of the junction to the main road & design of confluence:	
	Number and area of basement:	
	Number and area of podia:	
	Total Parking area:	155.80 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 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f)-B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
9	Date of online submission	07-02-2018
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS
Environmental Impacts of the project	Not Applicable	
Water Budget	Not Applicable	
Waste Water Treatment	No ETP on site	
Drainage pattern of the project	Not Applicable	

approximility			Signature:
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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	No adequate space for movement of emergency vehicles.
Landscape Plan	No space to provide required green belt.
Disaster management system and risk assessment	No adequate space for movement of emergency vehicles.
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.

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

DECISION OF SEAC

During deliberations with the PP and their accredited consultant, it is revealed that the area of the plot for proposed expansion is very congested and there is no adequate space for the movement of an emergency vehicle, pollution control equipment, development of requisite green belt etc. The issues discussed at length with the PP and his team and PP agreed to the concerns shown by SEAC with respect to the proposed hazardous activity on site and safety of people.

In view of above space constraint on the site to carry out expansion in safe and environment friendly manner SEAC decided to reject the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal for rejection subject to above reasons.



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

SEAC Meeting number: 149th Day - 5 Meeting Date April 6, 2018

Subject: Environment Clearance for Environmental Clearance for the Proposed expansion & addition of Aroma Chemical manufacturing facility at Plot No. A- 3, MIDC Mahad, Mahad, Dist. Raigad by Privi Organics India Ltd (Unit III)

LName of Project Environmenial Clearance for the Proposed expansion & addition of Aroma Chemical manufacturing facility at Plot No. A. 3, MIDC Mahad, Mahad, Dist. Raigad by Privi Organics India Lat (Unit III) 2.Type of institution Private 3.Name of Project Proponent Privi Organics India Linted (Unit III) 4.Name of Consultant Aditya Environmental Services Pvt Ltd 5.Type of project Industrial project 6.New project/sepansion in existing project/modernization/diversification, whether environmental clearance has been obtained for existing project Xspansion 8.Location of the project Plot No A - 3, MIDC Mahad, Dist. Raigad 9.Taluka Mahad 10.Village Kambale Tarf Correspondence Name: Mr. S. B. Pathare Road Street Name: - Floor: - 11.Area of the project MIDC Mahad 12.10D/10A/Concession/Plan MIDC Mahad Approval Number: - 12.10D/10A/Concession/Plan MIDC Mahad Approved Eulitup Area: 5170.03 Same Area 13.Note on the initiated work (ff Perpresonation is within existing manufacturing facility 14.LO1 NoC / 100 from MHADA/ MIDC plan approval <th>Is a Violation Case: No</th> <th></th>	Is a Violation Case: No					
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21.Estimated cost of the project 37000000	20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable				
	21.Estimated cost of the project	37000000				

22.Number of buildings & its configuration

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018	Page 48 of 77	Signature: Name: Dr. Umakant Gangarao Danga Dr. Umakant Dangat (Chairman SEAC-I)
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Serial number	Buildin	ıg Name & number	Number of floors	Height of the building (Mtrs)			
1	Not applicable		Not applicable	Not applicable			
2	Ν	lot applicable	Not applicable	Not applicable			
23.Number tenants an	r of d shops	Not applicable					
24.Number expected rusers	r of esidents /	Not applicable					
25.Tenant per hectar	density e	Not applicable					
26.Height building(s)	of the			Ć			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)		Min 6 m		0000			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		Not applicable					
29.Existing structure (s) if any		Existing structures like Production plant, Utilities, storage tanks, material sheds, ETP, Admin bldg., etc. is already constructed.					
30.Details of the demolition with disposal (If applicable)		Not applicable	OP				

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Terpineol & Its derivatives like Pine oil varieties and Terpin-4-ol (4- Terpineol)	200	475	675
2	A-Terpinyl acetate & Its derivatives	100	-40	60
3	Dipentene Varieties, Terpinolene Varieties from 20 to 99%/Cineols such as 1,4 Cineol, 1,8 Cineol,Eucalyptol, Gamma Terpinene, Limonene, Mixed Terpenes etc	80	820	900
4	Prionyl (Privi moss)	30	0	30
5	Terpene-Phenol based resin like TPR-A,TPR-B,TPR-C,TPR-M,TPR-MS etc	150	-140	10
6	Terpene (Poly Terpene) based resin like PTR-A,PTR-B,PTR-C,PTR- M,PTR-MS etc	150	-140	10
7	p-Cymene	100	-60	40
8	Camphene	250	-50	200
9	Isobornyl acetate (IBA)	100	-25	75
10	Electricity Generation, MW	0	3 MW	3 MW

11	Ammonium Sulphate solution/ Sodium Sulphate Solution (By product)	460	168.43	628.43
12	Recovered Toluene (By product)	140	287.14	427.14
13	Column Tops (By product)	242.6	168.40	411.0
14	Column Bottom Mass (By product)	113.2	39.48	152.68
15	Dipentenes (By product)	110	232.9	342.9
16	Dilute Phosphoric Acid (By product)	0	726.3	726.3
17	Sodium Phosphate (By product)	0	690.53	690.53
18	Sodium Phosphate Solution (By product)	0	129.6	129.6
19	Recovered Ethyl Acetate (By product)	0	1071.9	1071.90
20	Recovered Ethylene Diamine (By product)	0	658.8	658.8
21	Recovered Acetic Acid (By product)	0	28.32	28.32
22	Dilute Acetic Acid solution (23-30 %) (By product)	368	-304.79	63.21
23	Sodium Acetate (By product)	210.5	-113.50	97
24	Mix Alcohols like Fenchyl alcohol,Borneols etc (By product)	7.5	82.5	90
25	Recovered Catalyst (By product)	10.2	-2.06	8.14
26	Sodium Oxalate (By product)	0	19.23	19.23
27	Recovered MEK (By product)	0	200.34	200.34
28	Methyl Pentenone (By product)	0	21.93	21.93
29	Recovered Methanol (By product)	153	12.93	165.93
30	Recovered EDC/ Cyclohexane (By product)	471	-362.55	108.45
31	Dione Residue (By product)	0	8.88	8.88
32	Aqueous DMF Solution (By product)	0	374.01	374.01
33	Recovered Cyclohexane (By product)	24	109.83	133.83
34	Charcoal Recovered (By product)	0	0.9	0.9
35	Aqueous Methanol (15-42 %) (By product)	294	73.8	367.8
36	Prionyl residue (By product)	0	6	6
37	Aqueous Fluoroboric Acid (Fluoroboric Acid) Solution (By product)	51	-49.03	1.97
38	Recovered Xylene (By product)	171	-159.49	11.51
39	Aqueous Aluminium Chloride Solution/Aluminium choloride Hexahydarte (By product)	492	-489.37	2.63
40	Recovered Indion 140 (By product)	21	-12.07	8.93
41	Spent Aqueous Triethylamine Hydrochloride (29-33%) (By product)	560	-560	0
42	Recovered Triethanolamine (By product)	195	-195	0
43	Spent Sodium sulphate & Methanol Solution (By product)	405	-405	0
44	Recovered MDC (By product)	186	-186	0
45	Spent DMH Solution (DMH 8-10%) (By product)	93	-93	0

Abhay Pimparkar (Secretary SEAC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018	Page 50 of 77	Signature: Name: Dr. Umakant Gangatreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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46	Recovered Ca	mphene (By prod	duct)	35		-35		0		
47	Recovered A	cetone (By produ	uct)	320 4.68 324.68						
32.Total Water Requirement										
		Source of wa	ter	MIDC						
		Fresh water	(CMD):	Not applical	ole					
		Recycled water - Flushing (CMD):		Not applical	ole					
		Recycled wat Gardening (C	cer - CMD):	Not applical	ole					
		Swimming po make up (Cu	ool m):	Not applical	ole					
Dry seaso	n:	Total Water Requirement :	t (CMD)	1092				0		
		Fire fighting Underground tank(CMD):	- l water	Not applical	ole			5		
		Fire fighting Overhead wa tank(CMD):	- ter	Not applical	ole					
		Excess treate	ed water	Not applical	ole					
		Source of wa	ter	Not applical	ole					
		Fresh water (CMD): Not applicable								
		Recycled water - Not applicable								
		Recycled wat Gardening (C	cer - CMD):	Not applicable						
		Swimming po make up (Cu	ool m):	Not applicable						
Wet seaso	n:	Total Water Requirement (CMD) : Fire fighting - Underground water tank(CMD):		Not applicable						
				Not applicable						
		Fire fighting Overhead wa tank(CMD):	- ter	Not applicable						
		Excess treate	ed water	Not applical	ole					
Details of pool (If ar	Swimming ly)	Not applicable	9							
33.Details of Total water consumed										
Particula rs	Particula rs Consumption (CMD)			I	Loss (CMD)		Efi	fluent (CMD)		
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	40	0	40	20	0	20	20	0	20	
Industrial Process	154.19	8.81	163	43.89	-28.89	15	110.3	37.7	148	

age of the set			Signature:
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- 11												
Cooling tower & thermopa ck	416	453	869	402.5	437.5	840	13.5	15.5	29			
Gardening	11	9	20	11	9	20	0	0	0			
		Level of the water table:	Ground									
		Size and no o tank(s) and Quantity:	of RWH	450 KL								
		Location of t tank(s):	he RWH	Within the p	olot			^				
34.Rain V Harvestin	Water ng	Quantity of r pits:	echarge					0				
(RWH)		Size of recha :	rge pits									
		Budgetary al (Capital cost	location) :									
		Budgetary al (O & M cost)	location :				5					
		Details of UC if any :	GT tanks	Not applical	ble							
		Natural wate drainage pat	er tern:		N							
35.Storm drainage	water	Quantity of s water:	torm	1								
		Size of SWD:		169.6 m2								
		Sewage gene in KLD:	ration	20 cmd								
		STP technolo	ogy:	30 cmd - Sk	id mounted							
Sowago	and	Capacity of S (CMD):	TP	30 cmd								
Waste w	vater	Location & a the STP:	rea of	Within plant	-							
		Budgetary al (Capital cost	location):									
	CY	Budgetary al (O & M cost)	location :	2.5 lacs								
		36	6.Soli	d waste	Manag	emen	t					
Waste gen	eration in	Waste genera	ation:	Minor quant	tity of construc	tion waste	Э					
the Pre Co and Constr phase:	nstruction ruction	Disposal of the construction debris:	he waste	Construction	n waste will be	disposed	off as per no	rms.				
		Dry waste:		Insulation W (wood, Pape ash: 30 MT/	Vaste: 0.025 M er , glass, decor Day, Canteen v	T/M, MS s ntaminate waste: 15	crap: 1.50 M d plastic etc) Kg/Day	T / M, Other w : 2.50 MT / M,	vaste Boiler			
		Wet waste:										
Waste ge in the op Phase:	neration eration	Hazardous w	aste:	Spent oil, W materials), I sludge form technique (N Spent Carbo Waste, Resin	Yaste contamina Discarded cont waste water tr MEE), Spent So on/Charcoal, Ro n, Filter pads/F	ated with ainers/bar reatment, blvent, Dis ecovered (Bags	oil (cotton/ga rrels/ liners/II Sludge from stillation Resi Catalyst/Spen	skets/ insulations BC/Carboys, C concentration due, Corrosive at Catalyst, Pro	on hemical waste, ocess			
		Biomedical w applicable):	vaste (If									
			'D									

		Dry waste:		Non Hazardous waste will be disposed off as per norms.					
		Wet waste	•						
		Hazardous	waste:	Hazardous	waste will be	e disposed of	f as per Haz	ardous waste rule 2016.	
Mode of of waste:	Disposal	Biomedica applicable	l waste (If):						
		STP Sludg sludge):	e (Dry						
		Others if a	ny:						
		Location(s	;):	Within plot					
Area requirem	ent:	Area for th of waste & material:	ne storage other						
		Area for m	achinery:						
Budgetary	allocation	Capital cos	st:	-					
O&M cost)	st and	O & M cos	t:						
			37.Ef	fluent Cl	harecter	estics			
Serial Number	Paran	neters	Unit	UnitInlet Effluent CharecteresticsOutlet Effluent CharecteresticsEffluent disc standards (M					
1	p	H		4.	-6	7-5	7.5	6.5-9	
2	CC)D	mg/L	3500-	-5000	< 250		250	
3	BC)D	mg/L	900-	1800	< 1	.00	100	
4	NH4	+ - N	mg/L	5-10 < 50 50					
5	Oil & (Grease	mg/L	15-20 < 10 10					
6	TI	DS	mg/L	3000-	-4000	< 2	100	2100	
Amount of e (CMD):	effluent gene	eration	197 cmd (7 from Unit I)	Cotal effluent	300 cmd, or	ut of which 1	97 cmd Fror	n Unit III & 123 cmd	
Capacity of	the ETP:		300 cmd ET	TP, 200 cmd	RO, 72 cmd	MEE			
Amount of t recycled :	reated efflue	ent	82.76 cmd						
Amount of v	water send to	o the CETP:	217.24 cmd	(Combined	discharge of	Unit I & Uni	it III)		
Membershi	p of CETP (if	require):	Yes						
Note on ET	P technology	to be used	Oil & Greas Secondary	e trap > Equ clarifier > Sa	ualization tai and filter > (nk > Primary Carbon filter	clarifier > A > RO plant :	Aeration tank > > RO reject to MEE	
Disposal of	the ETP slud	lge	To CHWTS	DF					
			38.H a	zardous	Waste D	etails			
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal	
1	Sper	nt oil	5.1	TPM	0.416	0.584	1	Sale to authorized Reprocessor	
2	Waste con with (cotton/g insulation	taminated n oil gaskets/ materials)	5.2	TPM	0.01	0.19	0.20	CHWTSDF	
3	Disca container liners/IBC	arded rs/barrels/ C/Carboys	33.3	Nos./M	200	100	300	Sale to authorized party after decontamination	
4	Chemical s waste wate	ludge form r treatment	34.3	TPM	15	5	20	CHWTSDF	

A-000 Otherses			Signature:
C469			Name: Dr. Umakant Gångetreo Dangat
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5	Sludge from concentration technique (MEE)	36.	1	TPM	15.6	36.4	52	CHWTSDF or Sale to authorized party
6	Spent Solvent	20.	.2	TPM	30	0	30	Sale to authorized party
7	Distillation Residue	20.	.3	TPM	10.5	4.5	15	CHWTSDF or Sale to authorized party
8	Corrosive waste	32.	.2	TPM	5	0	5	CHWTSDF or Sale to authorized party
9	Spent Carbon/Charcoal	36.	.2	TPM	0.5	0.5	1	CHWTSDF or Sale to authorized party
10	Recovered Catalyst/Spent Catalyst	1.6	6	TPM	0	3	3	CHWTSDF or Sale to authorized party
11	Process Waste	20.	.4	TPM	0.0	20	20	CHWTSDF or Sale to authorized party
12	Resin			TPM	0	10	10	CHWTSDF or Sale to authorized party
13	Filter pads/Bags	36.	.2	Kg/M	0	200	200	CHWTSDF
		39	9.St	acks em	ission D	etails 🦷		
		Em	ol Uo	ad auth		Height	Internal	Town of Exhaust
Serial Number	Section & units	ru	Quar	ntity	Stack No.	ground level (m)	diameter (m)	Gases
Number	Section & units 8 TPH Boiler	C	Quar	o TPD	Stack No.	ground level (m) 30 m	diameter (m) 0.9	Gases
Serial Number 1 2	8 TPH Boiler 16 TPH Boiler	C	Quar Coal: 2 Coal: 7	0 TPD 2 TPD	Stack No.	ground level (m) 30 m 44.5 m	diameter (m) 0.9 2.5	160
Serial Number	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler	C C Indian OR Im	Quar Quar Coal: 2 Coal: 7 n Coa iporte TP	0 TPD 2 TPD 1: 180 TPD d coal: 120 D	Stack No.	ground level (m) 30 m 44.5 m 46 m	diameter (m) 0.9 2.5 2	Temp. of Exhaust Gases 160 160 160
Serial Number 1 2 3 4	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 14 TPH Boiler	C C Indian OR Im FO/T	Coal: 2 Coal: 2 Coal: 7 n Coal: porte TP 'erpen 32 MT	0 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: C/Day	Stack No. 1 2 3 4	Ground Jevel (m) 30 m 44.5 m 46 m 44.5 m	diameter (m) 0.9 2.5 2 1.2	Temp. of Exhaust Gases 160 160 160 160 160
Serial Number 1 2 3 4 5	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 14 TPH Boiler 750 KVA DG set	C C Indian OR Im FO/T	Coal: 2 Coal: 2 Coal: 7 n Coal: 7 n Coal: 7 n Coal: 7 TP Terpen 32 MT 5D: 20	0 TPD 2 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: C/Day 0 Lit/Hr	Stack No.	Irom ground level (m) 30 m 44.5 m 46 m 44.5 m 12 m	diameter (m) 0.9 2.5 2 1.2 0.15	Temp. of Exhaust Gases 160 160 160 160 150
Serial Number 1 2 3 4 5 6	Section & units8 TPH Boiler16 TPH Boiler30 TPH Boiler14 TPH Boiler750 KVA DG set380 KVA DG set	C C Indian OR Im FO/T HS	Coal: 2 Coal: 2 Coal: 7 n Coa porte TP Cerpen 32 M 5D: 20 SD: 70	0 TPD 2 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: C/Day 0 Lit/Hr	Stack No.	Irom ground level (m) 30 m 44.5 m 46 m 44.5 m 12 m 12 m	diameter (m) 0.9 2.5 2 1.2 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 150 80
Serial Number 1 2 3 4 5 6	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 14 TPH Boiler 750 KVA DG set 380 KVA DG set	C C Indian OR Im FO/T HS HS 40	Coal: 2 Coal: 2 Coal: 7 n Coal nporte TP Gerpen 32 MT 5D: 20 SD: 70 .De	0 TPD 2 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: 7/Day 0 Lit/Hr 0 Lit/Hr tails of F	Stack No. 1 2 3 4 5 6 5 6 5 5 1 5 6 5 5 6 5 5 6 5 5	Irom ground level (m) 30 m 44.5 m 46 m 44.5 m 12 m 12 m 12 m e used	diameter (m) 0.9 2.5 2 1.2 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 160 80
Serial Number 1 2 3 4 5 6 Serial Number	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 14 TPH Boiler 750 KVA DG set 380 KVA DG set Type of Fuel	C C Indian OR Im FO/T HS HS	Coal: 2 Coal: 2 Coal: 7 n Coa nporte TP Terpen 32 MT SD: 20 SD: 70	ad with htity 0 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: 7/Day 0 Lit/Hr 0 Lit/Hr tails of F Existing	Stack No.	Iron ground 30 m 30 m 44.5 m 46 m 44.5 m 12 m 12 m e used Proposed	diameter (m) 0.9 2.5 2 1.2 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 150 80
Serial Number 1 2 3 4 5 6 5 6 Serial Number 1	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 14 TPH Boiler 750 KVA DG set 380 KVA DG set Type of Fuel Coal	C C Indian OR Im FO/T HS HS 40	Coal: 2 Coal: 2 Coal: 7 n Coa porte TP Cerpen 32 MT 5D: 20 SD: 7(.De	0 TPD 2 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: //Day 0 Lit/Hr 0 Lit/Hr tails of F Existing 20 TPD	Stack No. 1 2 3 4 5 6 Fuel to b	Irom ground level (m) 30 m 44.5 m 46 m 44.5 m 12 m 12 m e used Proposed 160 TPD	diameter (m) 0.9 2.5 2 1.2 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 150 80
Serial Number 1 2 3 4 5 6 Serial Number 1 2	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 14 TPH Boiler 750 KVA DG set 380 KVA DG set Type of Fuel Coal Furnace oil/ Terpene Bi	C C Indian OR Im FO/T HS HS HS	Coal: 2 Coal: 2 Coal: 7 n Coal: 7 n Coal: 7 n Coal: 7 TP Corpen 32 MT SD: 20 SD: 70	0 TPD 2 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: 7/Day 0 Lit/Hr 0 Lit/Hr tails of F Existing 20 TPD 0	Stack No.	Iron ground 30 m 30 m 44.5 m 46 m 44.5 m 12 m 12 m e used Proposed 160 TPD 32 TPD	diameter (m) 0.9 2.5 2 1.2 0.15 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 160 160 180 TPD 32 TPD
Serial Number 1 2 3 4 5 6 Serial Number 1 2 3	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 14 TPH Boiler 14 TPH Boiler 750 KVA DG set 380 KVA DG set Coal Furnace oil/Terpene Bi HSD	C C Indian OR Im FO/T HS HS 40 ofuel	Coal: 2 Coal: 2 Coal: 7 n Coal nporte TP Terpen 32 MT SD: 20 SD: 70 .De	ad with htity 0 TPD 2 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: 7/Day 0 Lit/Hr 0 Lit/Hr tails of F Existing 20 TPD 0 270 Lit/Hr	Stack No.	Iron ground 30 m 30 m 44.5 m 46 m 44.5 m 12 m 132 TPD 0	diameter (m) 0.9 2.5 2 1.2 0.15 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 160 160 180 TPD 32 TPD 270 Lit/Hr
Serial Number 1 2 3 4 5 6 Serial Number 1 2 3 4 5 6 2 3 41.Source of	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 30 TPH Boiler 14 TPH Boiler 750 KVA DG set 380 KVA DG set 380 KVA DG set Coal Furnace oil/Terpene Bi HSD	C C Indian OR Im FO/T HS HS HS HS HS	Coal: 2 Coal: 2 Coal: 7 n Coal: porte TP Corpen 32 MT 5D: 20 SD: 70 .De	a with htity 0 TPD 2 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: (/Day 0 Lit/Hr 0 Lit/Hr tails of F Existing 20 TPD 0 270 Lit/Hr Nearby sour	Stack No.	Iron ground level (m) 30 m 44.5 m 46 m 44.5 m 12 m 12 m 12 m 12 m 12 m 30 m 44.5 m 12 m 12 m 12 m 0	diameter (m) 0.9 2.5 2 1.2 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 160 160 160 160 160 180 TPD 32 TPD 270 Lit/Hr
Serial Number 1 2 3 4 5 6 Serial Number 1 2 3 41.Source of 42.Mode of	Section & units 8 TPH Boiler 16 TPH Boiler 30 TPH Boiler 30 TPH Boiler 14 TPH Boiler 750 KVA DG set 380 KVA DG set 380 KVA DG set Coal Furnace oil/ Terpene Bi HSD of Fuel	C C Indian OR Im FO/T HS HS 40 ofuel	Coal: 2 Coal: 2 Coal: 7 n Coa porte TP Terpen 32 MT SD: 20 SD: 70 .De from 1 By roa	a with htity 0 TPD 2 TPD 1: 180 TPD d coal: 120 D e Biofuel: 7/Day 0 Lit/Hr tails of F Existing 20 TPD 0 270 Lit/Hr Nearby sour	Stack No.	Iron ground level (m) 30 m 44.5 m 46 m 44.5 m 12 m 12 m e used Proposed 160 TPD 32 TPD 0	diameter (m) 0.9 2.5 2 1.2 0.15 0.15 0.15	Temp. of Exhaust Gases 160 160 160 160 160 160 180 TPD 32 TPD 270 Lit/Hr



		Total RG a	rea :	As per MID	C Norms				
		No of trees	s to be cu	t Not applica	ble				
43.Gree	n Belt	Number of be planted	trees to :	Not applica	ble				
Develop	ment	List of prop native tree	posed s:	Not applica	ble				
		Timeline for completion plantation	or 1 of :	Not applica	ble				
	44.Nu	mber and	l list of	trees spe	cies to b	e plante	d in the ground		
Serial Number	Name of	the plant Commo		non Name	Qua	ntity	Characteristics & ecological importance		
1	-				-	-			
45	.Total qua	ntity of plan	ts on gro	ound					
46.Nun	nber and	list of sł	nrubs a	nd bushes	species	to be pl	anted in the podium RG:		
Serial Number		Name		C/C Dista	nce		Area m2		
1									
				47.E r	ıergy				
		Source of j supply :	power	MSEDCL					
		During Cor Phase: (De Load)	nstructio mand	n 100 KVA	100 KVA				
		DG set as l back-up du constructio	Power Iring on phase	750 KVA					
Dee		During Op phase (Cor load):	eration inected	2430 KVA					
require	ver ement:	During Op phase (Der load):	eration nand	2430 KVA					
		Transform	er:						
		DG set as l back-up du operation	Power Iring phase:	750 KVA, 38	30 KVA				
		Fuel used:		HSD					
	9	Details of tension lin through th any:	high e passing e plot if	J					
		48.Ene	rgy sav	ving by no	n-conver	tional m	nethod:		
Not applica	ble								
		49	9.Detai	l calculati	ons & %	of savin	g:		
Serial Number	E	nergy Cons	ervation	Measures			Saving %		
1									

2 and theres			Signature:
CEGA -			Name: Dr. Umakant Gangatrao Dangat
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		5	0.Details	of pol	lutio	on c	ontrol S	ystei	ms			
Source	Ex	isting pol	lution contro	l systen	n		Proposed to be installed					
Air Polution			Stack					Stack , ESP				
Water Pollution		ETP,STP, RO , MEE										
Noise Pollution		Acoustics	enclosure,sile	encer								
Hazardous waste	Disposa	l to CHWTS	SDF, Sale to au	uthorised	d party	7						
Budgetary	allocation	Capital c	ost:			I						
(Capital O&M	cost and cost):	0 & M co	ost:							C		
51	.Envir	onmer	ntal Mar	lagei	mer	nt p	olan Bu	ıdg	etary	Alloca	tion	
		a) Construe	ction p	phas	e (v	vith Bre	ak-u	p):	\mathbf{a}		
Serial Number	Attri	butes	Para	meter			Total (Cost p	er annu	m (Rs. In L	acs)	
1	-		-						2.			
			b) Operat	ion Pł	nase	(wi	th Breal	k-up)):			
Serial Number	Comp	onent	Descr	Description		Capi	tal cost Rs Lacs	. In	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Air Pollut	ion control	Form Utili	ties,DG S	Set	6	50			10		
2	Enviro Moni	nmental toring	Regaular I	Monitorii	ng		15			5		
3	Water p con	oollution atrol	ETP,RO,N	MEE, ST	Р		165			50		
4	Hazardou Solid Manag	is waste & Waste gement	Storage &	à Disposa	al	3		15				
5	Greer Develo	n Build opment	Develop Maintena be	oment & nce gree elt	en		2			1		
6	Occuptiona Sa:	ıl , Helath & fety	x PPE, Safe	ty trainir	ng		5			15		
7	Social W Uplif	Velfare & tment	ESC E	Budget			5			5		
51.S	torage	of ch	emicals	(infl	am	abl	e/expl	osiv	e/haz	zardou	s/toxic	
	C			sub	stai	nce	es)					
Descri	ption	Status	Locatio	n	Stor Capa in N	age Icity MT	Maximum Quantity of Storage at any point of time in MT	Consu / Mo I	imption onth in MT	Source of Supply	Means of transportation	
A-Pin	ene		1X150 K	L	150	KL	150 KL			From Nearby source	By Road	

age ones			Signature:
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Acetone	 1X10 KL	10 KL	10 KL		From Nearby source	By Road
Toluene	 1X10 KL	10 KL	10 KL		From Nearby source	By Road
Caustic lye	 1X20 KL	20 KL	20 KL		From Nearby source	By Road
90% Sulphuric acid	 1X20 KL	20 KL	20 KL		From Nearby source	By Road
Phosphoric acid	 1X20 KL	20 KL	20 KL		From Nearby source	By Road
Nitric acid	 1X10 KL	10 KL	10 KL		From Nearby source	By Road
Acetic anhydride	 1X20 KL	20 KL	20 KL	-	From Nearby source	By Road
Acetic acid	 1X50 KL	50 KL	50 KL		From Nearby source	By Road
Methanol	 1X20 KL	20 KL	20 KL		From Nearby source	By Road
Cyclohexane	 1X20 KL	20 KL	20 KL		From Nearby source	By Road
Ethylene dichloride	 1X50 KL	50 KL	50 KL		From Nearby source	By Road
Liq Ammonia	 1X20 KL	20 KL	20 KL		From Nearby source	By Road
Acetaldehyde	 1X10 KL	10 KL	10 KL		From Nearby source	By Road
Terpenes	 1X50 KL	50 KL	50 KL		From Nearby source	By Road
Dipentene/Limonene	1X50 KL	50 KL	50 KL		From Nearby source	By Road
Pine Oil	 2X100 KL, 3X30 KL	290 KL	290 KL		From Nearby source	By Road
A-Terpineol	 2X50KL,2X10 KL,1X30 KL	150 KL	150 KL		From Nearby source	By Road
Camphene	 1X75KL,1X20 KL	95 KL	95 KL		Nearby source	By Road
20%,40%,90% Terpinolene	 2X10 KL,1X20 KL	40 KL	40 KL		Nearby source	By Road
p-Cymene	 1X30 KL	30 KL	30 KL		Nearby source	By Road
Isobornyl acetate (IBA)	 1X30 KL	30 KL	30 KL		Nearby source	By Road

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Camphene Crude		1X15 KL,1X1	00 KL	115 KL	115 KL		Nearby source	By Road
25% Sulphuric acid		1X20KL		20 KL	20 KL		Nearby source	By Road
Recovered Acetone		1X15 KL		15 KL	15 KL		Nearby source	By Road
Recovered Toluene		1X10 KL		10 KL	10 KL		Nearby source	By Road
Terpineol Crude		1X5 KL,5X1(6X50KL,1X) KL, 100	455 KL	455 KL		Nearby source	By Road
Recovered A-Pinene		1X10 KL, 1X3	30 KL	40 KL	40 KL		Nearby source	By Road
Dipentene		1X5 KL,1X10K KL	L,1X50	65 KL	65 KL		Nearby source	By Road
Camphene MRD		2X20KL,2X	5KL	50 KL	50 KL		Nearby source	By Road
5% Caustic solution		1X5KL		5 KL	5 KL		Nearby source	By Road
Pine Oil Crude		1X30KL		30 KL	30 KL	ŀ	Nearby source	By Road
Recovered Methanol		1X10 KI		10 KL	10 KL		Nearby source	By Road
Recovered Cyclohexane		1X10 KI	-	10 KL	10 KL		Nearby source	By Road
		52.A	ny Ot	her Info	rmation			
No Information Availab	ole							
		53.	Traffi	c Manag	jement			
	Nos. of to the m	the junction ain road &		P.				
	design of confluer	of ice:						
	design o confluer Number basemer	or nce: and area of nt:						
	Number basemen Number podia:	of nce: and area of nt: and area of						
	Number basemen Number podia: Total Pa	of nce: and area of nt: and area of rking area:						
	design o confluer Number basemer Number podia: Total Pa Area per	of nce: and area of nt: and area of rking area: c car:						
	design o confluer Number basemer Number podia: Total Pa Area per Area per	of nce: and area of and area of rking area: car: car:						
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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable		
	Category as per schedule of EIA Notification sheet	5(f)-B		
	Court cases pending if any	Not applicable		
	Other Relevant Informations	Not applicable		
	Have you previously submitted Application online on MOEF Website.	Yes		
	Date of online submission	17-02-2018		
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS		
Environmental Impacts of the project	Not Applicable for ToR s	stage		
Water Budget	Not Applicable for ToR stage			
Waste Water Treatment	Not Applicable for ToR stage			
Drainage pattern of the project	Not Applicable for ToR stage			
Ground water parameters	Not Applicable for ToR stage			
Solid Waste Management	Not Applicable for ToR stage			
Air Quality & Noise Level issues	Not Applicable for ToR stage			
Energy Management	Not Applicable for ToR	stage		
Traffic circulation system and risk assessment	Not Applicable for ToR s	stage		
Landscape Plan	Not Applicable for ToR	stage		
Disaster management system and risk assessment	Not Applicable for ToR stage			
Socioeconomic impact assessment	Not Applicable for ToR stage			
Environmental Management Plan	Not Applicable for ToR	stage		
Any other issues related to environmental sustainability	Not Applicable for ToR s	stage		
	Brief informa	tion of the project by SEAC		



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

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

DECISION OF SEAC

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

PP obtained earlier EC vide No. SEAC-2013/CR-242/TC-2 dated 08.10.2015.PP to submit copy of certified compliance report of the earlier EC received from the Regional Office of MOEF&CC as per OM dated 15.01.2018.

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

Specific Conditions by SEAC:

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

2) PP to submit consent copies from the year of establishment to till date.

3) PP to include names of all the products and byproducts to be manufactured on site and make necessary changes in the Sr. No. 31 of the CS.

4) PP to submit lay out plan showing entry and exit gates ,internal roads with minimum width of six meters and turning radius of nine meters all around the manufacturing buildings and chemical storage areas to ease the movement of fire tender in case of an emergency, location of all pollution control equipment like boiler stack, DG stack, Effluent Treatment Plant, Sewage Treatment Plant, Scrubbers , parking areas, 33% green belt in the plant premises, solid and hazardous waste storage areas, rain water harvesting etc.

5) PP to conduct fire safety audit from competent Authority and submit report on fire load calculation for individual manufacturing buildings, chemical storage areas with remarks on the adequacy of existing fire prevention measures and proposed mitigation measures to prevent fires and unforeseen accidents.

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

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

8) PP to submit design details of the ETP along with pollution load calculations.

9) PP to include reuse/recycle/disposal mechanism of the byproducts generated during the manufacturing.

10) PP to submit copy of stability certificate of existing structures on site.

11) PP to submit details of the waste material management plan in the EIA report.

12) PP to submit process engineering design details like reactors and other process equipment design along with proposed process controls to ensure the safety of people and quality of the products.

13) PP to carry out HAZOP and Quantitative Risk Assessment study to assess the fire potential and its impact inside the premises as well as outside the premises with mitigation measures. PP to submit a Disaster Management Plan.

14) PP to submit chemical handling protocol for all the raw materials to be used on site.15) PP to use solar energy for office building and street lights.

16) PP to use solar energy for office buildin **16)** PP to provide lightening arrestors.

17) PP to submit CSR plan to be prepared in consultation with the District Authorities along with its implementation schedule. PP to maintain separate account for CSR funds.

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.

SHAGARE IN THE REAL OF THE SHAGE SHA



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

SEAC Meeting number: 149th Day - 5 Meeting Date April 6, 2018

Subject: Environment Clearance for Proposed expansion of Synthetic Organic Chemical Manufacturing facility (Expansion & Addition of Aroma Chemicals) at Plot No-- C-3, 4, 5, 6, 6/1, 6/2, 7, 8, 9 & C-33/1, 33/2, X-9, 10, 11, MIDC Mahad, Dist Raigad, by Privi Organics India Ltd (Unit II)

Is a Violation Case: No

1.Name of Project	Proposed expansion of Synthetic Organic Chemical Manufacturing facility (Expansion & Addition of Aroma Chemicals) at Plot No C-3, 4, 5, 6, 6/1, 6/2, 7, 8, 9 & C-33/1, 33/2, X-9, 10, 11, MIDC Mahad, Dist Raigad, by Privi Organics India Ltd (Unit II)			
2.Type of institution	Private			
3.Name of Project Proponent	Privi Organics India Limited (Unit II)			
4.Name of Consultant	Aditya Environmental Services Pvt Ltd			
5.Type of project	Industrial project			
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing manufacturing facility			
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Existing Environmental Clearance letter number SEAC-2012/CR-43/TC-2 Dated 08.10.2015			
8.Location of the project	Plot No - C-3, 4, 5, 6, 6/1, 6/2, 7, 8, 9 & C-33/1, 33/2, X-9, 10, 11, MIDC area , Mahad. Dist Raigad			
9.Taluka	Mahad			
10.Village	Birwadi			
Correspondence Name:	Mr. S. B. Pathare			
Room Number:				
Floor:				
Building Name:				
Road/Street Name:				
Locality:				
City:	-			
11.Area of the project	MIDC Mahad			
	MIDC plot plan approval			
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval			
	Approved Built-up Area: 32084.99			
13.Note on the initiated work (If applicable)	Expansion is within existing manufacturing facility.Existing facility is for manufacturing of aroma chemicals			
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval			
15.Total Plot Area (sq. m.)	59416.00			
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.): 34060.60			
	Approved FSI area (sq. m.):			
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):			
	Date of Approval:			
19.Total ground coverage (m2)	Not applicable			
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable			
	=======			

approximation			Signature: Name: Dr. Umakant Gangetrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 149th Day - 5 Meeting Date:	Page 62	Dr. Umakant Dangat
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22.Number of buildings & its configuration					
Serial number	Buildin	ng Name & number Number of floors Height of the building (Mtr			
1	Ν	lot applicable	Not applicable	Not applicable	
23.Number tenants an	r of d shops	Not applicable			
24.Number expected re users	r of esidents /	Not applicable			
25.Tenant per hectar	density e	Not applicable			
26.Height building(s)	of the			6	
27.Right of (Width of t from the n station to t proposed b	f way he road earest fire he wilding(s)	min 6 m		0060	
28.Turning for easy ac fire tender movement around the excluding for the play	radius cess of from all building the width ntation	Not applicable	000		
29.Existing structure (J s) if any	Existing structures like bldg, R & D, Pilot plant	xisting structures like Production plant, Utilities, storage tanks, material sheds, ETP, Admin dg, R & D, Pilot plant ,Incinerator,Thermocouple,etc. is already constructed.		
30.Details demolition disposal (I applicable)	of the with f	Not applicable			

31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Isobornyl cyclohexanol (IBCH)	51	-21	30
2	L/D- Carvone/Carvacrol	50	125	175
3	Orange oil folds	12	0	12
4	D-Limonene	125	0	125
5	Myrcene	400	0	400
6	Alpha-Campholenic aldehyde (ACA)	50	-12	38
7	Floreol	80	-60	20
8	D-Carvone	5	-5	0
9	Dihydrocarvone	5	-3	2
10	Carvomenthone / Menthone/ Menthol	5	20	25
11	Nimberol	1	1	2
12	Dihydromyrcene	150	-50	100
13	Sandal fleur & derivatives like Indian sandal Core	20	20	40
14	Sandal Touch	5	-3	2
15	Citral Extra Pure	30	0	30

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16	Citronellal/Hydroxy Citronellal	20	40	60
17	Cyclocitral (Alpha/Beta/Alpha & Beta mixture)	2	13	15
18	Isocitronellene & Isomer	30	0	30
19	Nitriles- Citronellyl nitrile/Geranyl Nitriles	30	70	100
20	Damascone & Its derivatives Like Alpha/Beta/Delta-Damascone,Beta Isodamascol etc	0	10	10
21	A-Pinene from CST	1611.66	0	1611.66
22	B-Pinene from CST	504.86	0	504.86
23	Limonene from CST	41	0	41
24	Mixed Terpenes/Terpene biofuel from CST OR	744	0	744
25	DDTO/Carene varieties 60,90,98/ Terpene bio fuel	679.15	0	679.15
26	A-Pinene from GTO	537	0	537
27	B-Pinene from GTO	334	0	334
28	Amberfleur & Its derivatives like Ammbergamma,Cedarketol	400	0	400
29	MI for soap	1	1	2
30	Violetone Coeur	2	0	2
31	Timber Touch/Timber forte	5	5	10
32	Electricity Generation	4 MW	0	4MW
33	Recovery of Concentrated Sulphuric acid	48 TPD	12 TPD	60 TPD
34	ESTERS-Para Tertiary Butyl Cyclo Hexyl Acetate (PTBCHA) /PTBCH/Ortho Tertiary Butyl Cyclohexyl acetate(OTBCHA)/OTBCH/ Styrallyl acetate/ Terpinyl acetate (TA)/ Citronellyl acetate/ Geranyl acetate/ Dimethyl Octanol acetate (Tetrahydrogeranyl acetate)/ Nerol acetate (Neryl acetate)/ Isobornyl acetate (IBA)/ Longifolene acetate/2-Methyl Cyclohexyl acetate/ Ethyl Geranate/ Isobutyl Geranate/ Tiglates of Geraniol & Nerol/ PEME/ PADMA/ Propionates esters of of Geraniol/Nerol/Citronellol etc/ Phenyl ethyl acetate/ Esters of Linalool	297	-22	275
35	ALCOHOLS-Citronellol (COL)/ Geraniol/Nerol (GOL/NOL)/ Dihydromyrcenol (DHMOL)/ Terpineol /Damascone(DMO)/ Tetrahydromyrcenol (THMOL)/ Terpinen-4-ol (4-Terpineol)/ Linalool/ Dimethyl Octanol (Tetrahydrogeraniol)	445	300	745
36	Rose Oxide	3	-1	2
37	Nitriles – Geranyl Nitrile/Citronellyl Nitrile	10	-10	0

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38	IONONES- Gamma methyl Ionone (GMI)/ Normal methyl Ionone (NMI)/ Alpha Ionone (AI)/ Ionone 100%/ Beta Ionone (BI) (Beta Ionone Technical/PG)/ Gammanolene	50	100	150
39	Geraniol Formate	5	-4	1
40	Cironellol formate	5	-4	1
41	Camphene	1	0	1
42	ISO Longifoline Ketone	1	0	1
43	Prionyl (Privi Moss)	10	0	10
44	Rosaxanol/ Rosepyran	10	0	10
45	Mugenol	6	-5	1
46	Super Sandal Core	2	0	2
47	Hydrogen	15	10	25
48	Aqueous fluoroboric acid (Fluoboric acid) (Byproduct)	152.68	-128.26	24.42
49	Recovered Toluene (Byproduct)	356.98	108.56	465.54
50	Catalyst Recovered (Byproduct)	6.4	1.96	8.36
51	Recovered IPA (Byproduct)	28.01	47.68	75.69
52	Recovered Methanol (Byproduct)	48	137.4	185.4
53	Column Tops (Byproduct)	332.21	59.84	392.05
54	Column Bottom Mass (Byproduct)	319.71	98.94	418.65
55	Recovered Catalyst A (Byproduct)	0	4.2	4.2
56	DHM Column Tops (Byproduct)	0	70.78	70.78
57	DHM Column Bottom Mass (Byproduct)	0	143.79	143.79
58	DHMOL Column Tops (Byproduct)	0	193.70	193.70
59	DHMOL Column Bottom Mass (Byproduct)	0	76.74	76.74
60	Recovered Cyclohexane (Byproduct)	101.78	268.15	369.93
61	Recovered Limonene (Byproduct)	22.7	25.78	48.48
62	Aqueous Solution Aluminium Sulphate+IPA	104.10	311.18	415.28
63	Mix MEK + Butanol/ Acetone +IPA recovered (for Seperation) (Byproduct)	146.3	322	468.30
64	2-Butanol /Isopropyl alcohol (IPA) (Seperated from MEK+Butanol mix) (Byproduct)	35.3	77.58	112.88
65	Zinc Bromide Solution (Byproduct)	8.2	-1.78	6.42
66	Sodium Sulphate Decahydrate (Byproduct)	25.5	-10.5	15
67	Recovered EDC (Byproduct)	40.13	-31.21	8.92
68	DHP (Byproduct)	28.05	-21.03	7.02
69	Sodium Acetate Solution (25-30 %) (Byproduct)	5	2219.15	2224.15
70	Recovered Triethyl amine (Byproduct)	0	1.98	1.98
71	Phosphoric Acid layer (Byproduct)	42.29	-41.5	0.79

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72	Dilute Acetic Acid (25-40 %) (Byproduct)	207.64	79.78	287.42
73	Recovered MPK (Byproduct)	13.55	4.96	18.51
74	Sodium Borate solution (Byproduct)	15	11.72	26.72
75	MEK & Methanol Mixture (Byproduct)	45.7	580.33	626.03
76	Potassium Acetate (35-40 %) Solution (Byproduct)	22.5	66.44	88.94
77	Recovered 2-Butanol (Byproduct)	0	0.68	0.68
78	Dilute Sulpuric Acid up to 40 % (Byproduct)	100	1825	1925
79	Isopulygyl Acetate (Byproduct)	0	11.28	11.28
80	Aniline Recovered (Byproduct)	2	21.44	23.44
81	Ammonium Sulphate (30-40 %) Solution (Byproduct)	299.8	230.72	530.52
82	Calcium Sulphate (Byproduct)	181.56	265.10	446.66
83	Ammonium Sulphate / Sodium Sulphate Solution (Byproduct)	0	361.90	361.90
84	Bottom mass/White Oil Residue (Byproduct)	8.1	9.9	18
85	Recovered Acetic Acid (Byproduct)	0	214.88	214.88
86	Potasium sulphate (Byproduct)	20	0.0	20
87	Magnesium Sulphate Wet Cake (Byproduct)	90	-70.68	19.32
88	Recovered Pet Ether & THF (Byproduct)	0	33.17	33.17
89	Chromium Sulphte Solution (Byproduct)	75	80.73	155.73
90	Recovered Pet Ether (Byproduct)	0	17.79	17.79
91	Sodium Sulphate (Byproduct)	189.57	98.54	288.11
92	CST DMS/DMDS/MSM/ Mixed Sulpurs Compounds (Byproduct)	84.44	-48.44	36.0
93	Sodium Sulphide/SMM/Sodium Hydrogen Sulphide Solution (Byproduct)	250.8	-200.8	50
94	Heavy Fractions (Byproduct)	222.53	-116.60	105.93
95	Dipentene/Terpene Biofuel (Byproduct)	95	70	165
96	Pine Tar (Byproduct)	51	0	51
97	Dilute Phosphoric Acid (Byproduct)	40.52	217.11	257.63
98	Barium Hydroxide Recovered (Byproduct)	1	52.69	53.69
99	Recovered IPA solution (Byproduct)	0	4738.20	4738.20
100	Recovered Resin (Byproduct)	0	6.13	6.13
101	Sodium Acetate (Byproduct)	50	-25.25	24.75
102	Recovered Isobutyl alcohol (Byproduct)	0	13.20	13.20
103	Recovered Indian 140 (Byproduct)	0	17.0	17.0
104	Recovered Ethyl Alcohol (Byproduct)	0	31.35	31.35

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105	Saturated A	lcohol (Byproduct)		0	60.35	60.35
106	Recovere (By	ed Ethyl Acetate yproduct)		0	1183	1183
107	Recovered (By	Ethylene Diamine yproduct)		0	727.12	727.12
108	8 Recovered MEK (Byproduct)			0	4.41	4.41
109 Methyl Pentenone (Byproduct)		enone (Byproduct)		0	14.77	14.77
110	110Dione Residue (Byproduct)			0	3.33	3.33
111	1 Aqueous DMF (Byproduct)			0	80.18	80.18
112	Recovered charcoal (Byproduct)			0	0.98	0.98
113	Prionyl Residue (Byproduct)			0	4.78	4.78
114	Zinc chloride solution (Byproduct)			336.43	-336.43	0
115	Prionyl Residue (Byproduct)			41.3	-41.3	0
		32.To	ota	l Water I	Requirement	
		Source of water		MIDC		
		Fresh water (CMI	D):	Not applicable		
		Recycled water - Flushing (CMD):		Not applicable		S
Dry season:		Recycled water - Gardening (CMD):		Not applicable		
		Swimming pool make up (Cum):		Not applicable		
		Total Water Requirement (CMD) :		1810 cmd	00	
		Fire fighting - Underground water tank(CMD):		Not applicable	·	
		Fire fighting - Overhead water tank(CMD):		Not applicable		
		Excess treated water		Not applicable		
		Source of water		Not applicable		
		Fresh water (CMD):		Not applicable		
		Recycled water - Flushing (CMD):		Not applicable		
		Recycled water - Gardening (CMD):		Not applicable		
	CY	Swimming pool make up (Cum):		Not applicable		
Wet seaso	on:	Total Water Requirement (CMD) :		Not applicable		
		Fire fighting - Underground water tank(CMD):		Not applicable		
		Fire fighting - Overhead water tank(CMD):		Not applicable		
		Excess treated wa	ter	Not applicable		



Details of Swimming pool (If any)		Not applicable									
33.Details of Total water consumed											
Particula rs	Consumption (CMD)			Loss (CMD)			Effluent (CMD)				
Water Require ment	Existing	Proposed	Total	Existing Proposed Total Existing Proposed T					Total		
Domestic	49	0	49	14	0	14	35	0	35		
Industrial Process	192	83	275	108	-26	82	84	114	198		
Cooling tower & thermopa ck	686.2	764.8	1451	610.2	733.8	1344	76	31	107		
Gardening	35	0	35	35	0	35	0	0	0		
		Level of the Ground water table:									
		Size and no of RWH tank(s) and Quantity:		2 nos of underground Tanks & 1 no is above ground - 1500 KL							
		Location of the RWH tank(s):		Within the plot							
34.Rain V Harvestii	Vater 1g	Quantity of recharge pits:		-							
(RWH)	5	Size of recharge pits :									
		Budgetary allocation (Capital cost) :									
		Budgetary allocation (O & M cost) :									
Deta if a		Details of UC if any :	Details of UGT tanks if any :		Not applicable						
		Natural wate drainage pat	r tern:								
35.Storm drainage	water	Quantity of s water:	torm								
	~~~	Size of SWD:		10.5 x 15.0 x 2.25 M							



Sewage in KLD:			ge generation .D:	35 cmd					
Sewage and Waste water		STP t	technology:	40 cmd - ASP					
		Capa (CMI	city of STP )):	40 cmd					
		Locat the S	tion & area of TP:	Within the premises					
		Budg (Capi	etary allocation ital cost):						
		Budg (O &	etary allocation M cost):	5 lakhs					
			36.Soli	d waste Mana	gem	ent	<u> </u>		
Waste generat	ion in	Wast	e generation:	Minor quantity of constr	ruction	waste			
the Pre Constr and Construct phase:	ruction ion	Disposal of the construction waste debris:		Construction waste will be disposed off as per norms.					
		Dry w	vaste:	Insulation Waste: 0.3 MT/M, MS scrap: 17 MT / M, Other waste ( Paper , glass, decontaminated plastic etc): 20 MT / M, Boiler ash: MT/Day, Thermopack Ash-5.5 MT/Day, Canteen waste: 1.6 MT/M					
		Wet v	waste:		C				
Waste generation in the operation Phase:		Haza	rdous waste:	Spent oil, Waste contaminated with oil (cotton/gaskets/ insulation materials), Discarded containers/barrels/ liners/IBC/Carboys, Chemical sludge form waste water treatment, Sludge from concentration technique (MEE), Spent Solvent, Distillation Residue, Spent Carbon/Charcoal, Recovered Catalyst/Spent Catalyst, Process Waste, Resin, Filter pads/Bags					
		Biom appli	edical waste (If cable):	0.06Kg/M					
		STP 9 sludg	Sludge (Dry je):	-					
Others if any:				E waste: 57 Kg/M, Lead	acid ba	atteries: 30 NOS	S/A		
		Dry w	vaste:	Non Hazardous waste w	vill be d	isposed off as p	per norms.		
		Wet waste:							
	,	Hazardous waste:		Hazardous waste will be	e dispos	sed off as per H	lazardous waste rule 201		
Mode of Disj of waste:	posal	Biomedical waste (If applicable):		Authorised BMW dispos	al facili	ity			
		STP Sludge (Dry sludge):							
	$\langle \rangle$	Others if any:		E-Waste will be dispose	off to a	uthorised recyc	cler		
G	Y	Location(s):		within plot					
Area requirement:		Area for the storage of waste & other material:							
		Area	for machinery:						
Budgetary allocation (Capital cost and		Capital cost:							
O&M cost): 0		0 & M cost:							
37.Effluent Charecterestics									
Serial Number Parameters Unit		Inlet Effluent Charecterestics	t Effluent Outlet Effluent Effluent di ecterestics Charecterestics standards		Effluent discharge standards (MPCB)				
1	1 рН		4-6		5.5-9	5.5-9			
Abhay Pimparkar (Secretary SEAC-I)				o: 149th Day - 5 Meeting I April 6, 2018	Date:	Siq Na Page 69 of 77 (Cl	ignature: ame: Dr. Umakant Gangatrao Dangat C. Umakant Dangat hairman SEAC-I)		

2	COD	mg/L	3500	-5000	25	50	250			
3	BOD	mg/L 900-1800		100		100				
4	NH4+ - N	mg/L 5-10		50		50				
5	Oil & Grease	mg/L	ng/L 15-20		10		10			
6	TDS	mg/L 3000-4000 2100				00	2100			
Amount of e (CMD):	effluent generation	340								
Capacity of	the ETP:	300 cmd								
Amount of t recycled :	reated effluent	242 cmd	242 cmd							
Amount of v	water send to the CETP:	98 cmd								
Membershi	p of CETP (if require):	Yes								
Note on ET	P technology to be used	Oil & Greas Secondary	e trap > Equ clarifier > Sa	ualization tai and filter > (	nk > Primary Carbon filter	v clarifier > A > RO plant	Aeration tank > > RO reject to MEE			
Disposal of	the ETP sludge	To CHWTS	DF							
		38.Ha	zardous	Waste D	etails					
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal			
1	Spent oil	5.1	MT/M	0.5	0.5	1	Sale to authorized Preprocessor			
2	Waste contaminated with oil (cotton/gaskets/ insulation materials)	5.2	Kg/M	150	150	300	CHWTSDF			
3	Discarded containers- Drums/ Barrels, IBC's/ Carboys	33.3	Nos/M	276	174	400	Sale to authorized party			
4	Chemical sludge form waste water treatment	35.3	MT/M	40	2	42	CHWTSDF			
5	Sludge from concentration technique (MEE)	36.1	MT/M	47.4	27.6	75	CHWTSDF or Sale to authorized party			
6	Discarded Asbestos	15.2	Kg/M	8.3	0	8.3	Sale to authorized party			
7	Spent Catalyst/ Recovered Catalyst	1.6	MT/M	0.5	4.5	5	CHWTSDF or Sale to authorized party			
8	Spent Carbon/ Charcoal	36.2	MT/M	2.2	1.8	4	CHWTSDF or Sale to authorized party			
9	Silica / Molecular Sieves	1.6	MT/M	2.2	0	2.2	CHWTSDF or Sale to authorized party			
10	Process Waste	20.4	MT/M	0	35	35	CHWTSDF or Sale to authorized party			
11	Resin		MT/M	0.1	0.9	1	CHWTSDF or Sale to authorized party			
12	Ash from Incinerator	37.2	MT/M	0	30	30	CHWTSDF or Sale to authorized party			
13	Distillation Residue/White Oil Residue	20.3	MT/M	0	15	15	CHWTSDF or Sale to authorized party			
14	Filter pads/ Bags	33.2	Kg/M	0	200	200	CHWTSDF			
39.Stacks emission Details										
Abhay Pimparkar (Secretary SEAC-I) SEAC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018 Page 70 of 77 Chairman SEAC-D										

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Interna diamete (m)	r Temp. of Exhaust Gases	
1	Boiler 18 TPH	Coal -50 MTD	1	42	1.3	140	
2	Boiler 8 TPH	Coal-22.5 MTD	2	42	1.3	140	
3	Boiler 15 TPH	Coal-40 MTD	3	46	2.0	140	
4	Boiler 6 TPH	Coal-22.5 MT/day	4	30	0.5	140	
5	Boiler 6 TPH	FO- 4.2 KL/Day/ Terpene Biofuel- 6 KL/Day	5	30	0.5	140	
6	Thermic Fluid Heater-1	FO- 0.55 KL/day / Terpene Biofuel- 0.81 KLD	6	30	0.25	158	
7	Thermic Fluid Heater-2	Coal-3.624 MT/day	7	30	0.25	158	
8	Incineration -1	Diesel/Terpene Biofuel- 240 litre/day	8	30	0.25	94	
9	Pyrolizer vent 101, 201, 301, 401	FO/Terpene Biofuel-265 Kg/hr	9	27	0.3	160	
10	N2 Heater vent 1,2,3	FO/Terpene Biofuel-30 Kg/hr	) 10	27 0.3		200	
11	Scrubber vent 1,2, 3		11	10	0.2		
12	DG set 380 KVA	Diesel -50 Lit/hr	12	12	0.177	141	
13	DG set 625 KVA & 125 KVA	Diesel-60 Lit/hr	13	12	0.177	141	
14	DG set 750 KVA	Diesel -100 Lit/hr	14	12	0.177	185	
15	DG set 1000 KVA	Diesel-100 Lit/hr	15	12	0.177	185	
16	Boiler 20 TPH	FO/ Terpene Biofuel- 30 MT/Day	16	46	2	140	
17	50 TPH Boiler (In place with existing 30 TPH)	Imported Coal- 200 TPD/ Indian Coal- 300 TPD	17	56	2.6	180	
18	Incineration-2	FO/ HSD/ Terpene Biofuel- 120 Kg/hr	18	35	0.55	100	
19	DG set 2 nos of 500 KVA	Diesel- 100 Lit/ Hr	19	12	0.177	185	
20	DG Set 1000 KVA	Diesel-100 Lit/hr	20	12	0.177	185	
		40.Details of	Fuel to b	e used			
Serial Number	Type of Fuel	Existing		Proposed		Total	
1	Coal	138 TPD		162 TPD		300 TPD	
2	Furnance Oil/Terper Biofuel	19.65 KLI	19.65 KLD			32.88 KLD	
3	HSD	310 Lit/ H	r	200 Lit/Hr 510 Lit/Hr			
41.Source	of Fuel	Near by source	ear by source				
42.Mode of Transportation of fuel to site By Road							

No of trees to be cut :       Not applicable         Number of trees to be planted ::       Not applicable         Number of trees to be planted ::       Not applicable         Ist of proved native trees :       Not applicable         Ist of proved native trees :       Not applicable         Ist of proved native trees :       Not applicable         Ist of proved native trees species to be planted ::         Not applicable         Not applicable         Not applicable         Name       Characteristics & ecological importance         Ist of strees is to the plant         Not applicable         Area m2						
43.Green Belt Development       Number of trees to be planted :       Not applicable         List of proposed native trees :       Not applicable       Not applicable         Timeline for completion of plantation :       Not applicable       Not applicable         Serial Number       Name of the plant       Common Name       Quantity       Characteristics & ecological importance         1       Not applicable       Not applicable       Not applicable       Not applicable         46.Number and list of splants on ground       Unit applicable       Not applicable       Not applicable         46.Number and list of splants on ground       C/C Distance       Area m2						
Development native trees :       List of proposed native trees :       Not applicable         Timeline for completion of plantation :       Not applicable       Not applicable         44.Number and list of trees species to be planted in the ground       Characteristics & ecological importance         Serial Number       Name of the plant       Common Name       Quantity       Characteristics & ecological importance         1       Not applicable       Not applicable       Not applicable       Not applicable         46.Number and list of shrubs and bushes species to be planted in the podium RC       Area m2						
Timeline for completion of plantation :       Not applicable         Not applicable       Not applicable         Vertex species to be planted in the ground         Serial Number       Name of the plant       Common Name       Quantity       Characteristics & ecological importance         1       Not applicable       Not applicable       Not applicable       Not applicable       Not applicable         Vertex species to be planted in the podium RC         Serial Number       C/C Distance         Serial Number       Name       C/C Distance						
44.Number and list of trees species to be planted in the ground         Serial Number       Name of the plant       Common Name       Quantity       Characteristics & ecological importance         1       Not applicable       Not applicable       Not applicable       Not applicable         45.Total quantity of plants on ground       Importance       Importance         46.Number and list of shrubs and bushes species to be planted in the podium RC         Serial Number       Name       C/C Distance       Area m2						
Serial NumberName of the plantCommon NameQuantityCharacteristics & ecological importance1Not applicableNot applicableNot applicableNot applicable45.Total quantity of plants on groundImportanceImportance46.Number and list of shrubs and bushes species to be planted in the podium RCSerial NumberNameC/C DistanceArea m2						
1     Not applicable     Not applicable     Not applicable       45.Total quantity of plants on ground     Area m2						
45.Total quantity of plants on ground         46.Number and list of shrubs and bushes species to be planted in the podium RC         Serial Number       Name       C/C Distance       Area m2						
46.Number and list of shrubs and bushes species to be planted in the podium RCSerial NumberNameC/C DistanceArea m2						
Serial Number         Name         C/C Distance         Area m2						
1 Not applicable Not applicable Not applicable						
47.Energy						
Source of power supply : MSEDCL						
During Construction Phase: (Demand Load)50 KVA						
DG set as Power back-up during construction phase						
During Operation phase (Connected 6200 KVA load):						
Power     During Operation       requirement:     During Operation       phase (Demand     6200 KVA       load):     6200 KVA						
Transformer:						
DG set as Power back-up during operation phase: DG Set- 2 nos. of 1000KVA, 1 nos of 750 KVA & 2 nos. of 500 KVA						
Fuel used:     HSD (Diesel)						
Details of high tension line passing through the plot if any:						
48.Energy saving by non-conventional method:						
49.Detail calculations & % of saving:						
Serial NumberEnergy Conservation MeasuresSaving %						
1						

2 and theres			Signature:									
CEGP			Name: Dr. Umakant Gangetreo Dangat									
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		5	0.Details	of pol	lut	ion c	ontrol S	yste	ms			
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Source Existing pollution control system				Proposed to be installed								
Air pollution	Stack, ESP											
Water pollution		ETP, STP										
Nosie Pollution		Acoustic	enclosure, Sile	encer								
Hazardous waste	Disposa	l to CHWTS	SDF, Sale to a	uthorise	d pai	rty			-	-		
Budgetary	allocation	Capital c	ost:	st:								
(Capital O&M	cost and cost):	0 & M co	ost:							C		
51	.Envir	onmer	ital Mar	nage	me	ent p	olan Bu	udg	etary	Alloca	ition	
		a	Constru	ction ]	pha	nse (v	with Bre	ak-u	p):			
Serial Number	Attri	butes	Para	meter			Total	Cost p	er annu	m (Rs. In L	acs)	
1			-									
			b) Operat	ion P	has	e (wi	th Brea	k-up	):			
Serial Number	Comp	oonent	Descr	Description Ca		Cap	Capital cost Rs. In Lacs			Operational and Maintenance cost (Rs. in Lacs/yr)		
1	Air Polluti	ion Control	Form utilit	Form utilities, DG set			1000		30			
2	Enviro Moni	onmetal toring	Regular N	Regular Monitoring			15		7			
3	Water I Coi	Pollution ntrol	ETP,R	ETP,RO,MEE			150			165		
4	Hazardous Solid mang	s Waste and waste ement	l Storage ar	Storage and Dispose		Storage and Disposal		10			50	
5	Green Build Development		Development and maintenance of green belt		5		3					
6	Occupation and states	onal health safety	PPE, Safet	y tranin	ing		20			50		
7	Social w uplif	elfare and tment	ESC E	Budget			15			0		
51.S	torage	of ch	emicals	(infl	lan	nabl	e/expl	osiv	e/haz	zardou	s/toxic	
	substances)											
Descri	ption	Status	Locatio	n	Ste Caj in	orage pacity 1 MT	Maximum Quantity of Storage at any point of time in MT	Cons / Mo	umption onth in MT	Source of Supply	Means of transportation	
Acetic	acid		1X 20 K	L	2	0 KL	20 KL			Nearby Source	By Road	
Phosphor	ric acid		1X 10 K	L	1	0 KL	10 KL			Nearby Source	By Road	

age of the ser			Signature:
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Acetic anhydride	1X30 KL		30 KL	30 KL		Nearby Source	By Road
Citral		2X30 KL,1X70 KL	130 KL	130 KL		Nearby Source	By Road
Alpha Pinene		3X200KL,1X450 KL	1050 KL	1050 KL		Nearby Source	By Road
MEK		2X18 KL	36 KL	36 KL		Nearby Source	By Road
METHANOL		1X18 KL,1X30 KL	48 KL	48 KL		Nearby Source	By Road
TOLUENE		1X18 KL	18 KL	18 KL		Nearby Source	By Road
Sulphuric acid		1X30 KL,1X20 KL	50 KL	50 KL		Nearby Source	By Road
Caustic lye		1X30 KL	30 KL	30 KL		Nearby Source	By Road
OTBP/Beta Ionone		2X25 KL	50 KL	50 KL		Nearby Source	By Road
Pseudo Ionone		1X30 KL	30 KL	30 KL	-	Nearby Source	By Road
Aniline		1X10 KL	10 KL	10 KL		Nearby Source	By Road
Petroleum Ether		2X25 KL	50 KL	50 KL	-	Nearby Source	By Road
50% Hydrogen Peroxide		1X20 KL	20 KL	20 KL		Nearby Source	By Road
Acetone		2X25 KL	50 KL	50 KL		Nearby Source	By Road
Liquid Ammonia		1X8 KL,1X20 KL	28 KL	28 KL		Nearby Source	By Road
90% Sulphuric acid		1X5 KL,1X3	8 KL	8 KL		Nearby Source	By Road
70% Sulphuric acid		1X30 KL	30 KL	30 KL		Nearby Source	By Road
GTO		1X130 KL	130 KL	130 KL		Nearby Source	By Road
CST		1X600,3X850 KL	3150 KL	3150 KL		Nearby Source	By Road
F.O.		1X30 KL,1X8 KL	38 KL	38 KL		Nearby Source	By Road
BETA PINENE		1X300 KL	300 KL	300 KL		Nearby Source	By Road
DHMOL		4X30 KL,1X70 KL	190 KL	190 KL		Nearby Source	By Road
Terpene Biofuel		1X300 KL	300 KL	300 KL		Nearby Source	By Road
DDTO		1X300 KL	300 KL	300 KL		Nearby Source	By Road
DIPENTENE		2 X20 KL	40 KL	40 KL		Nearby Source	By Road
DHM CRUDE		2X125 KL	250 KL	250 KL		Nearby Source	By Road
ALPHA PINENE		1X130 KL, 1X 200 KL	320 KL	320 KL		Nearby Source	By Road
DMS		1X15 KL	15 KL	15 KL		Nearby Source	By Road

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GPMI		1X30 KI	-	30 KL	30 KL		Nearby Source	By Road	
GMI		1X30 KI	-	30 KL	30 KL		Nearby Source	By Road	
CIS PINANE		1X125KL,1X4 1X30 KI	7 KL,	202 KL	202 KL		Nearby Source	By Road	
		52.A	ny Ot	her Info	rmation	1			
No Information Availab	le								
53.Traffic Management									
Nos. of the junction to the main road & design of confluence:							Ç		
	Number basemer	and area of nt:					6	9	
	Number podia:	and area of				6			
	Total Pa	rking area:	1086.5	1 sq.m					
	Area pe	r car:							
	Area per	r 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 m						
	CRZ/ RF obtain, i	RZ clearance if any:	Not ap	plicable					
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries		Not applicable							
5	Categor schedul Notifica	y as per e of EIA tion sheet	5(f)-B						
	Court ca if any	ises pending	Not applicable						
Other Relevant Informations		Not applicable							
Have you previously submitted Application online on MOEF Website.		Yes							
	Date of submiss	online ion	19-02-2018						
Abhay Pimparkar (Secre SEAC-I)	Abhay Pimparkar (Secretary SEAC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018 Page 75 of 77 Signature: Interview Signature: Signa								

2 - or one is			Signature:
CLOP 2			Name: Dr. Umakant (
Abhay Pimparkar (Secretary	SEAC Meeting No: 149th Day - 5 Meeting Date:	Page 75	Dr. Umakant D
SEAC-I)	April 6, 2018	<b>of</b> 77	(Chairman SEA
SEAC-I)	April 6, 2018	of 77	(Chairman S

# SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

## Brief information of the project by SEAC

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

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

PP has obtained earlier EC vide No. SEAC-2010/CR-43/TC-2 dated 08.10.2015, PP to submit copy of certified compliance report of the earlier EC received from the Regional Office of MOEF&CC as per OM dated 15.01.2018.

# **DECISION OF SEAC**

Abhay Pimparkar (Secretary SEAC-I)	AC Meeting No: 149th Day - 5 Meeting Date: April 6, 2018	Page 76 of 77	Signature: Name: Dr. Umakant Gangatreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Based on the presentation made by PP; committee decided to approve the TOR for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

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

#### **Specific Conditions by SEAC:**

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

2) PP to submit consent copies from the year of establishment to till date.

3) PP to submit lay out plan showing entry and exit gates ,internal roads with minimum width of six meters and turning radius of nine meters all around the manufacturing buildings and chemical storage areas to ease the movement of fire tender in case of an emergency, location of all pollution control equipment like boiler stack, DG stack, Effluent Treatment Plant, Sewage Treatment Plant, Scrubbers , parking areas, 33% green belt in the plant premises, solid and hazardous waste storage areas, rain water harvesting etc.

**4)** PP to conduct fire safety audit from competent Authority and submit report on fire load calculation for individual manufacturing buildings, chemical storage areas with remarks on the adequacy of existing fire prevention measures and proposed mitigation measures to prevent fires and unforeseen accidents.

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

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

7) PP to submit design details of the ETP along with pollution load calculations.

8) PP to carry out HAZOP and Quantitative Risk Assessment study to assess the fire potential and its impact inside the premises as well as outside the premises with mitigation measures. PP to submit a Disaster Management Plan.9) PP to include reuse/ recycle/disposal mechanism of the byproducts generated during the manufacturing.

**10)** PP to submit copy of stability certificate of existing structures on site.

11) PP to submit details of the waste material management plan in the EIA report.

**12)** PP to submit process engineering design details like reactors and other process equipment design along with proposed process controls to ensure the safety of people and quality of the products.

13) PP to submit chemical handling protocol for all the raw materials to be used on site.

14) PP to use solar energy for office building and street lights.

**15)** PP to provide lightening arrestors

**16)** PP to submit CSR plan to be prepared in consultation with the District Authorities along with its implementation schedule. PP to maintain separate account for CSR funds.

#### 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.

