157th (A	157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)						
SEA	SEAC Meeting number: 157th (A) Meeting Date November 21, 2018						
Subject: Environment Clearance for Industrial Project- Synthetic Organic Chemical Industry							
Is a Violation Case: No							
<b>General Informati</b> Pune- 411008,	<b>General Information:</b> Venue: CSIR- National Chemical Laboratory (NCL)Guesthouse, Pashan Road, Pune- 411008,						
1.Name of Project		M/s Jain Rese	earch Laboratories Pvt Ltd.				
2.Type of institution		Private					
<b>3.Name of Project Propo</b>	nent	Mr. Babulal J	ain				
4.Name of Consultant		SGM Enviro	(I) Pvt Ltd, Pune				
5.Type of project		Industrial Pro	oject- Synthetic Organic Che	emical Industry			
6.New project/expansion project/modernization/di in existing project	in existing iversification	New project			63		
7.If expansion/diversifica whether environmental of has been obtained for ex project	ation, clearance isting	Not applicabl	le				
8.Location of the project		Plot No A-87 Maharashtra	7/1, MIDC Kurkumbh , Villa	ge- Kurkumbh, '	Tehsil- Daund, District- Pune,		
9.Taluka		Daund					
10.Village		Kurkumbh					
11.Area of the project		Industrial Are	ea (MIDC Kurkumbh)				
		MIDC plot po	ssession letter has been ob	tained			
12.10D/10A/Concession/I Approval Number	Plan	IOD/IOA/Con	ncession/Plan Approval N	umber: NA			
**		Approved Bu	uilt-up Area: 8000				
13.Note on the initiated applicable)	work (If	NA					
14.LOI / NOC / IOD from Other approvals (If appli	MHADA/ cable)	NA	$\sim$				
15.Total Plot Area (sq. m	ı.)	10,675					
16.Deductions		Not applicabl	le				
17.Net Plot area		Not applicabl	le				
		a) FSI area	(sq. m.): Not applicable				
18 (a).Proposed Built-up	Area (FSI &	b) Non FSI a	area (sq. m.): Not applicab	le			
1001-101)		c) Total BUA area (sq. m.): 8000					
		Approved FS	SI area (sq. m.):				
18 (b).Approved Built up DCR	area as per	Approved No	on FSI area (sq. m.):				
		Date of App	roval:				
19.Total ground coverag	e (m2)	Not applicabl	le				
20.Ground-coverage Pere (Note: Percentage of plo to sky)	centage (%) t not open	Not applicabl	le				
21.Estimated cost of the	project	15000000					
2	2.Num	ber of l	ouildings & it	s config	guration		
Serial number Buildin	ng Name & 1	number	Number of flo	oors	Height of the building (Mtrs)		
1	Not applicabl	е	Not applicab	le	Not applicable		
2 1	Not applicabl	е	Not applicab	le	Not applicable		
23.Number of tenants and shops	8 Quarters	will be provi	ded for the workers				

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24.Number expected r users	r of esidents /	16	16									
25.Tenant per hectar	density e	Not applica	ble									
26.Height building(s)	of the )											
27.Right o (Width of the from	f way the road earest fire the ouilding(s)	6 m	5 m									
28.Turning for easy ac fire tender movement around the excluding for the pla	y radius ccess of from all building the width ntation	9.00 m	9.00 m									
29.Existing structure	J (s) if any	Not applica	ble		2							
30.Details demolition disposal (I applicable)	of the with f	Existing ten dealer.	Existing temporary shed will be cleared and the solid waste generated will be sent to authorized dealer.									
		31.Production Details										
Serial Number	Pro	duct	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)							
1	Bacl	ofen	0	1	1							
2	Prega	abalin	0	5	5							
3	Dipyrio	damole	0	1	1							
4	Triam	terene	0	1	1							
5	Hydra Hydroc	lazine hloride	0	1	1							
6	Veraj	pamil	0	1	1							
7	valproic ao sa	cid Sodium alt	0	2	2							
8	Amil	oride	0	1	1							
9	Metoprolo	ol Tartrate	0	4	4							
10	Labe Hydroc	etalol hloride	0	0.5	0.5							
11	Beta Hydroc	xolol hloride	0	0.25	0.25							
12	Sotalol Hyd	drochloride	0	0.5	0.5							
13	Timolol	maleate	0	0.25	0.25							
14	Carv	edilol	0	2	2							
15	Guaiph	ienesin	0	5	5							
16	Methoca	rbamole	0	2	2							
17	Chloro	ohensin	0	4	4							
18	Chloroj carba	phensin imate	0	2	2							

ageno mars			Signature:
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			i	
19	Mephensin	0	2	2
20	Dithranol	0	0.2	0.2
21	Clotrimazole	0	5	5
22	Allopurinol	0	2	2
23	Domperidone	0	2	2
24	Cyclopropylamine	0	25	25
25	R-Epichlorohydrine and its delivatives	0	10	10
26	Formamidine Acetate	0	5	5
27	CARBOXYLIC ACIDS, ANHYDRIDES, DERIVATIVES such as Dimethyl Acrylic Acid ,Glutaric Acid ,Suberic Acid,3-Hydroxy Glutaric Acid,Pimelic Acid,Methyl Succinic Acid,Phenyl Succinic Acid	0	20	
28	UV Curing Agents based on Substituted Barbuturates/ Triphenyl Trifalte / Ketone	0	2	2
29	SYNTHETIC FRAGRANCES such as Benzyl Acetone and its derivatives, Cyclic carbonates, Cyclopentanone and its Derivatives ,C5- to C16 Cyclic Ketones	0	40	40
30	Byproduct- Ammonium Sulphate	0	10	10
31	Byproduct- Ammonium Chloride	0	7	7
32	Byproduct- Sodium Sulphate	0	8	8
33	Byproduct- PotaissumSulphate	0	2	2
34	Sodium Nitrite	0	1	1
	3	<b>32.Total Wate</b>	r Requiremen	t



		Source of water	MIDC										
		Fresh water (CMD):	107.7	CMD									
		Recycled water - Flushing (CMD):	9.3 CI	ИD									
		Recycled water - Gardening (CMD):	5										
		Swimming pool make up (Cum):	Not ap	oplicabl	e								
Dry seasor	1:	Total Water Requirement (CMD) :	117.00	117.00 CMD									
		Fire fighting - Underground water tank(CMD):	(grour	nd Leve	l water tan	k= 200 m3)			0				
		Fire fighting - Overhead water tank(CMD):	25 m3					~					
		Excess treated water	Treate	ed wate	r from ETP	will be sent	to CET	"P					
		Source of water	MIDC										
		Fresh water (CMD):	107.7	CMD									
		Recycled water - Flushing (CMD):	9.3 CN	ИD									
		Recycled water - Gardening (CMD):	5										
		Swimming pool make up (Cum):	Not applicable										
Wet seaso	n:	Total Water Requirement (CMD) :	117.00	) CMD									
		Fire fighting - Underground water tank(CMD):	(ground Level water tank = 200 m3)										
		Fire fighting - Overhead water tank(CMD):	25 m3										
		Excess treated water	Treate	ed wate	r from ETP	will be sent	to CET	P					
Details of pool (If an	Swimming y)	Not applicable											
		33.Detail	s of 7	[otal	water c	onsume	d						
Particula rs	C Y	Consumption (CMD)			Lo	oss (CMD)		Effl	uent (CMD	)			
Water Require ment	Existing	Proposed		Total	Existing	Proposed	Total	Existing	Proposed	Total			
Domestic	0	7		7	0	1	1	0	6	6			
Industrial Process	0	Industrial Processes=4 Floor washing=10	0 +	50	0	18	18	0	32	32			
Cooling tower & thermopa ck	0	Cooling Tower=25 + Boil	er=25	50	0	49	49	0	1	1			
Gardening	0	10		10	0	10	10	0	0	0			

a protoneses			Signature:
-6F			Name: Dr. Umakant Gaugatrao Dangat
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	Level wate	l of the Ground r table:	80-90 m						
	Size tank Quar	and no of RWH (s) and htity:	The rainwater harvesting strue engineering of the project.	cture will be	decided during detailed				
	Loca tank	tion of the RWH (s):	Not Applicable						
34.Rain Water Harvesting	Quar pits:	ntity of recharge	The rainwater harvesting structure will be decided during detailed engineering of the project.						
(RWH)	Size :	of recharge pits	Not Applicable						
	Budg (Cap	jetary allocation ital cost) :	5 Lac						
	Budg (0 &	jetary allocation M cost) :	0.5 Lac		<u> </u>				
	Deta if any	ils of UGT tanks y :	NA		Y				
25 Storm sustan	Natu drair	ral water age pattern:	Through MIDC drain						
drainage	Quar wate	ntity of storm r:	10 Cum/sec						
	Size	of SWD:	300 x 300 mm						
	Sewa in KI	ge generation _D:	6						
	STP	technology:	Primary + Secondary						
Sowage and	Capa (CMI	city of STP D):	1 STP of 15CMD capacity						
Waste water	Loca the S	tion & area of STP:	On Ground						
	Budg (Cap	jetary allocation ital cost):	5 Lac						
	Budg (0 &	jetary allocation M cost):	2.0 Lac						
		<b>36.Soli</b>	d waste Managen	nent					
Waste generation in	Wast	e generation:	Municipal waste shall be segre composted and non-biodegrad	egated. The l able waste s	piodegradable waste will be end to authorized dealer.				
and Construction phase:	Dispo cons debri	osal of the truction waste is:	Waste will be sent to Authorized vendors						
	Dry v	vaste:	i. Plastic Drums ii. MS drums i Scrap=0.5 MT/M, Gunny Bags	iii. Paper Dru = 0.5 MT/M	ums = 100 Nos/month Each,				
	Wet	waste:	NA						
Waste generation	Haza	rdous waste:	Spent Carbon / Organic solid Waste= 5 MT/M, Distillation residue= 2 MT/M, Waste Oil,Oil soaked Cotton And other Solid waste= 0.5 MT/M						
Phase:	Biom appli	edical waste (If cable):	NA						
	STP sludg	Sludge (Dry je):	0.15 TPM						
	Othe	rs if any:	NA		2. 6				
Abhay Pimparkar (Secre SEAC-I)	etary	SEAC Meeting I Nov	No: 157th (A) Meeting Date: vember 21, 2018	Page 5 of 80	Name: Dr. Umakant Gangetzeo Dangat Dr. Umakant Dangat (Chairman SEAC-I)				

Dry waste: Municipal waste shall b composted and non-bio						e segregated. The biodegradable waste will be degradable waste send to authorized dealer.					
		Wet waste	:	NA							
Madaaf	Diamagal	Hazardous	waste:	Hazardous	rdous waste produced will be sent to CHWTSDF						
of waste:	Disposal	Biomedica applicable	l waste (If ):	NA							
		STP Sludg sludge):	e (Dry	STP sludge will be used as manure							
		Others if a	ny:	NA							
		Location(s	;):	Not Applicable							
Area requirem	ent:	Area for th of waste & material:	e storage other	Not Applica	Not Applicable						
		Area for m	achinery:	Not Applica	able						
Budgetary	allocation	Capital cos	st:	Not Applica	able			<b>O</b>			
(Capital co O&M cost)	ost and :	O & M cos	t:	Not Applica	able						
			37.Ef	fluent C	harecter	estics					
Serial Number	Paran	neters	Unit	Inlet E Charect	affluent terestics	Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)			
1	р	Н	-	4	-9	5.5	-8.5	5.5-8.5			
2	BC	DD	Mg/lit	<2	000	<2000 mg/lit		<100 mg/l			
3	CC	DD	Mg/lit	<6	000	<6000 mg/lit		<250 mg/l			
4	TS	SS	Mg/lit	<2000		<1000 mg/lit		<100 mg/			
5	TI	DS	Mg/lit	<4	000	<40	000	<2100 mg/l			
Amount of e (CMD):	effluent gene	eration	33 CMD								
Capacity of	the ETP:		ETP Capaci	ty -25 CMD	MEE capacit	y 15 CMD					
Amount of trecycled :	reated efflue	ent	9.3 CMD								
Amount of v	water send to	o the CETP:	21.3 CMD								
Membershi	p of CETP (if	f require):	Yes. Applied	d for Membe	ership of CET	P from MID	C, Kurkumbh	l			
Note on ET	P technology	v to be used	Primary Tre	eatment will	be provided.						
Disposal of	the ETP sluc	lge	ETP Sludge Beds and ca	from the cla akes to be di	arifiers shall sposed off to	be released CHWTSDF	periodically i site.	into Sludge Drying			
			38.Ha	zardous	Waste D	etails					
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal			
1	Spent C Organic se	Carbon / olid Waste	18.2	MT/M	0	5.00	5.00	CHWTSDF			
2	Distillatio	on residue	20.3	MT/M	0	2.00	2.00	CHWTSDF			
3	Waste Oil, Cotton And wa	Oil soaked other Solid ste	5.2	MT/M	0	0.5	0.5	CHWTSDF			
			39.St	acks em	ission De	etails					
Serial Number	Section	& units	Fuel Us Qua	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases			

A generatives			Signature:
Cet f			Name: Dr. Umakant Gangatrao Dangat
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1	2 No of I tones per tones p	Boilers- 1 r hour + 4 er hour	Coa Cł	al or Aq 11ps-20	gro Waste MT/Day	1	l	30	0.75	220 - 240
2	Thermic F 3 Lac	luid Heater Kcl/hr	FO	/ LDO Da	- 500 Kg / ay	2	2	30	0.4	250 - 260
3	2 Nos of 1 100 KVA 8	DG sets of & 250 KVA		HS	SD	ст. Т	}	2.5 Above Roof	0.15	70
			4	0.De	tails of F	<b>uel</b>	to be	e used		
Serial Number	Тур	e of Fuel			Existing			Proposed		Total
1	Coal or A	gro Waste Cł	nips		00			20 MT/Day		20 MT/Day
2	F	O/ LDO			00			0.5 MT/Day		0.5 MT/Day
41.Source of	of Fuel			Local	Vendor					
42.Mode of	Transportat	ion of fuel to	site	By Ro	ad					6
		Total RG a	rea :		1212 sq. m					
		No of trees	s to b	e cut	00					7
43.Gree	n Belt	Number of be planted	f trees	s to	100					
Develop	ment	List of pro native tree	posed s :	l	Refer Pt no	. (vi) b	elow			
	Timeline for completion of plantation :				Approximat	cely 1 Y	Year	3		
	44.Nu	mber and	l list	t of t	rees spe	cies	to b	e planteo	l in the	ground
Serial Number	Name of	the plant	C	ommo	n Name	Y	Qua	ntity	Chara	cteristics & ecological importance
1	Ficus r	eligiosa		Peepa	l Tree		8	3	Decidu tr	ous, Evergreen , used as raditional medicine
2	Azadirac	hta indica		Ne	em		1	0	Evergree	en, Native, Non-flowering
3	Mangife	ra Indica		Ma	ngo		8	3	Evergr	een, long lived , Native.
4	Deloni	x regia		Gulm	iohar		Q	)	Flowerin	ng plant,Ornamental tree.
5	Peltop pteroc	horum arpum	Ye	ellow G	ulmohar		{	3	Deciduo fragrant	us treewith orange-yellow flowers, Ornamental tree,
6	Cassia	fistula		Bah	ava		Q	)	Native, Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant	
7	Bauhinia	racemosa		Ap	ota		1	0	Native, S flowe	mall tree with small white rs, Butterfly host plant
8	Butea mo	nosperma	Flame		e tree		(	)	Native, tree. B B	Medium sized deciduous eautiful orange flowers, utterfly host plant
9	Pithecellob	oium saman		Rain	tree		1	0	Fast-g	rowing, Flowering tree
10	Pongami	a pinnata		Kar	ranj		1	0	Decidu	ious, Native, Flowering
11	Caryot	a urens	I	Fish Ta	il palm		Q	)	Nativ	ve, Tall evergreen tree
45	5.Total qua	ntity of plan	ts on	grou	nd					
46.Nun	nber and	list of sl	nrub	s an	d bushes	s spe	cies	to be pla	anted i	n the podium RG:

Serial Number		Name		C/C Distance		Area m2		
1		NA		NA		NA		
47.Energy								
		Source of power supply :	•	The source of power	r is N	MSEB		
		During Construct Phase: (Demand Load)	c <b>tion</b>	25 KVA				
		DG set as Power back-up during construction ph	ase	No				
Der		During Operation phase (Connecter load):	on ed	500 KVA				
require	ement:	During Operation phase (Demand load):	n	350 KVA				
		Transformer:		500 KVA				
DG set as Power back-up during operation phase:			Two DG set having 2 of power failure	100	KVA & 250 KVA capacities will be used in case			
			HSD					
		Details of high tension line pas through the plot any:	sing t if	NA	5			
		48.Energy	savi	ng by non-con	ven	tional method:		
Energy Con 1.LEDs : 2. Solar Net 3. Variable : 4. STAR RA 5. IE2 / IE 3 6. Extra Thi 7. Dense Pip	servation M -Metering : Frequency I TED HT TRA ck Aramace peline Insula	ethods 100 KW Drive (VFD) ANSFORMER Il Insulation on Chi ation by pipe sectio	lled bi	rine Lines / Brine Chi	iller			
		49.De	tail	calculations &	x %	of saving:		
Serial Number	E	nergy Conservati	on Me	easures		Saving %		
1		LEDs				750 kwH/Month		
2		Solar Net-Me	etering	J		12000 KwH/ Month		
3	3 3 2 3 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4			2. STAR RATED 4. Extra Thick ine Lines / Brine		Energy Conservation by 7 %		
4	Dense	e Pipeline Insulatio	n by p	ipe sections		Energy Conservation by 5 %		
		<b>50.Det</b>	ails	of pollution co	ontr	col Systems		
Source	Ex	isting pollution o	ontro	l system		Proposed to be installed		
Water		NA				ETP/ STP		
Air		NA				Adequate Stack Height as per CPCB norms		
Noise		NA				Acoustic Enclosures		

A-gerofineres			Signature:
C669			Name: Dr. Umakant Gangatrao Dangat
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Solid waste	NA				Sent to authorized agency							
Budgetary	allocation	Capital co	st:	95 Lacs								
(Capital O&M	cost and cost):	0 & M cos	st:	2.5 Lacs per Annum								
51	.Enviro	onmen	tal Mar	nage	me	nt j	olan Bu	ıdg	etary	Alloca	ation	
		a)	Construe	c <b>tion</b>	pha	se (1	with Bre	ak-u	<b>p):</b>			
Serial Number	Attri	butes	Para	neter Total Cost per annum (Rs. In Lacs)								
1	Occupatio	nal Health	N	ΙA					1			
		b	) Operat	ion P	has	e (wi	th Brea	k-up	):			
Serial Number	Comp	onent	Descr	iption		Сар	ital cost Rs Lacs	. In	Opera c	tional and ost (Rs. in	Maintenance Lacs/yr)	
1	Air Po	llution	Air Polluti Measures per CPC	on Cont - Stack B norms	rol as S		16.0			0.50/	Y	
2	Water F	Pollution	Water F Control M ETP, STP	Pollution Measure , MEE e	s- tc		80.0	2	0	32.00/	Υ	
3	Noise P	ollution	Noise P Con	ollution ntrol			2.0			0.50		
4	Enviro Monitor Manag	nment ring and jement	Environ l Monitorir Manage		t nd t			1.00				
5	Occupatio	nal Health	Occupatio	nal Hea	lth		5.0	0.5				
6	Gree	n Belt	Green Develo	n Belt opment			5.0		2.00			
7	Rain Water	Harvesting	Rain Water	Rain Water Harvesting		·	5.0			0.5		
8	Solid manag	waste jement	Solid manag	waste jement	*		10.0		0.5			
9	Energy Co	nservation	Energy Co Meas	nservati sures	ion	95.0		2.5				
<b>51.S</b>	torage	of che	micals	(infl sub	lan sta	nab nce	le/expl es)	osiv	e/ha	zardou	s/toxic	
Description Status		Location		Sto Cap in	orage oacity MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT		Source of Supply	Means of transportation		
Separate facility in th	Storage le industry	NA	Confined Sto	orage	10	100 MT 80 MT		5	50 MT Local Vendor		By Road	
			52.A	ny Ot	her	Info	ormation	1				
No Informa	No Information Available											
	53.Traffic Management											
	Nos. of the junction to the main road & design of confluence:NA											
Abhay Pimparkar (Secretary SEAC Meeting No: 157th (A) Meeting Date: November 21, 2018   Page 9 of 800   Signature: Image: Signature: Signatur					nt Gangeazeo Dangat Dangat EAC-I)							

	Number and area of basement:	NA			
	Number and area of podia:	NA			
	Total Parking area:	325 sqm			
	Area per car:	NA			
	Area per car:	NA			
Parking details:	Number of 2- Wheelers as approved by competent authority:	NA			
	Number of 4- Wheelers as approved by competent authority:	NA		69	
	Public Transport:	Nearest Road- NH- 9 (1 km in	South-West	direction)	
	Width of all Internal roads (m):	6 m			
	CRZ/ RRZ clearance obtain, if any:	NA			
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA			
	Category as per schedule of EIA Notification sheet	5 (f)			
	Court cases pending if any	NA			
	Other Relevant Informations	No			
	Have you previously submitted Application online on MOEF Website.	No			
	Date of online submission	-			
SEAC	DISCUSSION	<b>ON ENVIRONME</b>	ENTAL	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				
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Air Quality & Noise Level issues	Not Applicable
<b>Energy Management</b>	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

## Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006 . PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 139th meeting of SEAC-1 held on 30th June, 2017 where in ToR was graated.

# **DECISION OF SEAC**

PP requested to postpone the proposal.

Hence, deferred.

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

**1)** PP to provide road width of six meters around all manufacturing units and hazardous storage units having turning radius of nine meters.

2) PP to provide 33% green coverage.

3) PP to include product wise list of raw material and its quantity to be used in the EIA report.

**4)** PP to submit HAZOP and QRA report along with EIA report for individual product and its stages. This shall include spillage and leakage control protocols, procedures and mitigation measures.

**5)** PP to submit copies of On Site and Off Site Emergency plan.

6) PP to include details of handling of byproducts like reuse, disposal, sale to authorized vendor etc.

7) PP to submit copy of membership and permissions obtained from CETP for disposal of effluent.

8) PP to include detailed product wise material balance in the EIA report with quantities.

## FINAL RECOMMENDATION

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



### 157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1) SEAC Meeting number: 157th (A) Meeting Date November 21, 2018

Subject: Environment Clearance for Proposed Capacity Expansion of BPCL Manmad Installation at Panewadi, Manmad, Maharashtra.

Is a Violation Case: No	
1.Name of Project	Proposed Capacity Expansion ( 2NO'S X 36000 KL HSD TANKS) of BPCL Manmad Installation at Panewadi, Manmad, Maharashtra.
2.Type of institution	Semi Government
<b>3.Name of Project Proponent</b>	Bharat Petroleum Corporation Limited (BPCL)
4.Name of Consultant	Prakruti Engineers & Consultants, Rajrajeshwari colony, Nr. Rajrajeshwari Mangal Karyalaya, Jail Road, Nashik Road, Nashik, Maharashtra - 422101.
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Product Storage Capacity expansion by construction of Two additional tanks: 2 x 36000 KL HSD Tanks.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The existing petroleum installation was established prior of EIA Notification 2006. The plant regularly practices the conditions laid by the PCB
8.Location of the project	Survey no 18-27 of Nagapur, Panewadi, Manmad Nandgaon Road, Manmad - 423104.
9.Taluka	Nandgaon
10.Village	Panewadi, Manmad
Correspondence Name:	Mr. Tushar Paimode
Room Number:	NA
Floor:	NA
Building Name:	BPCL Manmad Installation
Road/Street Name:	Manmad – Nandgaon road
Locality:	NA
City:	Manmad
11.Area of the project	Others
	Not Applicable
12.10D/10A/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work will be initiated without obtaining Environmental Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	226 acres
16.Deductions	Not applicable
17.Net Plot area	Not applicable
10 (a) Developed Division Array (ECL C	a) FSI area (sq. m.): Not applicable
Non-FSI)	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
10 (h) American d Durit and a second	Approved FSI area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
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	529600000

# **22.Number of buildings & its configuration**

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plicable	
9	
Parking area, and	
remises	
(MT/M)	
0.2 KL	
45 KL	
00 KL	
1258 KL	
0 KL	

**32.Total Water Requirement** 



			ter	Bore well					
		Fresh water	(CMD):	Not applicab	ole				
		Recycled wat Flushing (CM	er - 1D):	Not applicab	ble				
		Recycled wat Gardening (C	er - CMD):	Not applicab	le				
		Swimming po make up (Cu	ool m):	Not applicab	le				
Dry season:		Total Water Requirement :	; <b>(CMD)</b>	Not applicab	le				
		Fire fighting Underground tank(CMD):	- I water	Not applicab	ble			0	
		Fire fighting Overhead wa tank(CMD):	- ter	Not applicab	ble			6	
		Excess treate	ed water	Not applicab	ole				
		Source of wa	ter	Bore well					
		Fresh water	(CMD):	Not applicab	ole				
		Recycled wat Flushing (CM	er - 1D):	Not applicable					
		Recycled wat Gardening (C	er - CMD):	Not applicab	ole				
		Swimming po make up (Cu	ool m):	Not applicab	le				
Wet seaso	n:	Total Water Requirement :	: (CMD)	Not applicab	le				
		Fire fighting Underground tank(CMD):	- I water	Not applicab	le				
		Fire fighting Overhead wa tank(CMD):	ter	Not applicab	le				
		Excess treate	ed water	Not applicable					
Details of pool (If an	Swimming y)	Not applicable	<del>)</del>						
		33	.Detail	s of Total	water co	nsume	dl		
Particula rs	Cons	sumption (CM	D)	L	oss (CMD)		Eff	luent (CMD)	
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	15	0	15	0	0	0	5.8	0	5.8

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	Level of the Ground water table:	5m -10m
	Size and no of RWH tank(s) and Quantity:	2 tank = 50 X 50 m and 16 X 9 m
	Location of the RWH tank(s):	Back side of existing tank farm area
34.Rain Water Harvesting	Quantity of recharge pits:	01
(RWH)	Size of recharge pits :	2m x 3m
	Budgetary allocation (Capital cost) :	100000
	Budgetary allocation (O & M cost) :	20000
	Details of UGT tanks if any :	
25 Storm water	Natural water drainage pattern:	Natural water drainage pattern is preserved
drainage	Quantity of storm water:	-
	Size of SWD:	NA
-	Sewage generation in KLD:	5.8 KLD
5	STP technology:	STP of capacity 10 KLD is provided.
Sewage and	Capacity of STP (CMD):	STP of capacity 10 KLD is provided.
Waste water	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	30000 PM
	36.Solie	d waste Management
Waste generation in the Pre Construction	Waste generation:	The solid waste generation on the proposed site will be due to the various construction materials like cement, brick, steel, sand stone, paint and varnishes.
and Construction phase:	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works and metal scraps will be sold to metal recyclers
	Dry waste:	paper , cartons, plastics etc - 4 kg approx.
	Wet waste:	Biodegradable canteen waste -8 kg approx.
Waste generation in the operation Phase:	Hazardous waste:	spent batteries , waste oil , empty drums of oil/ chemicals , fluorescent tubes , 165 KL/annum tank bottom sludge ( once in 5 years )
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	STP sludge is used as manure for our plants.
	Others if any:	NA
	•	

approtinger?			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 157th (A) Meeting Date:	Page 15	Dr. Umakant Daı
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	Signature:
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		Dry waste:		Handed ove rules 2016	er to authoriz	zed vendor o	r disposed a	s per applicable MSW			
Mode of Disposal of waste:		Wet waste		The composted waste will be used as manure .							
		Hazardous waste:		Total tank bottom sludge thus generated is sent to CHWTSDF Pune.							
		Biomedical waste (If applicable):		Not Applica	ıble						
		STP Sludg sludge):	e (Dry	STP sludge is used as manure.							
		Others if a	ny:	: NA							
		Location(s	):	133.44 acres							
Area requirement:		Area for the storage of waste & other material:		NA							
		Area for machinery:		NA							
Budgetary	allocation	Capital cos	st:	NA				G			
(Capital co O&M cost)	st and	O & M cos	t:	NA							
			37.Effluent Charecterestics								
Serial Parameters Unit				Inlet E Charect	ffluent erestics	Outlet I Charect	Effluent cerestics	Effluent discharge standards (MPCB)			
1	pH V	alue		7.	53	7.51		6.0 - 8.5			
2	2 TSS		mg/l	11	15	5	5	100			
3	3 COD		mg/l	24	46	121		250			
4 BOD		)D	mg/l	8	4	52		100			
5 O&G			mg/l	1	10 03			10			
Amount of e (CMD):	effluent gene	ration	2.8 CMD								
Capacity of	the ETP:		3 CMD	$\Delta \mathbf{Y}$							
Amount of t recycled :	reated efflue	ent	NA								
Amount of v	water send to	o the CETP:	NA								
Membershi	p of CETP (if	require):	NA								
Note on ET	P technology	to be used	Oil Water s	iter separator.							
Disposal of	the ETP slud	lge	By Bio reme	ediation proc	cess.						
	1		38.Ha	zardous	Waste D	etails					
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal			
1	Tanks Bott	om Sludge	Hazardous	KL/Annum	160	160	320	Once in 5 years to CHWTSDF (Pune)			
			39.St	acks em	ission De	etails					
Serial Number	Section	& units	Fuel Us Quar	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases			
1	2 x 630 kV kVA, 1 x	A, 1 x 300 250 kVA	HS	SD	4	7	0.15	70 degree			
			40.De	tails of F	uel to be	e used					

age of the set			Signature: Name: Dr. Umakant Gangetrao Dangat
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Serial Number	Gerial Type of Fuel			Existing		Proposed	Total		
1	HSD			2 x 630 kVA, 1 x 300 kVA, 1 x 250 kVA		0	70 L/ Hr for 630 KVA, 40 L/Hr for 250 KVA, 50 L/Hr FOR 300 KVA DG set.		
41.Source of	of Fuel		From	Petroleum retail	outlets				
42.Mode of	Transportat	tion of fuel to s	ite By R	oadways					
		Total RG are	ea:	84.22 acres i.e. 3	87 % of	total plot area is d	leveloped into Green belt.		
		No of trees :	to be cut	NA					
43.Gree	n Belt	Number of t be planted :	trees to	NA			0		
Develop	ment	List of prop native trees	osed :	NA			.67		
		Timeline for completion plantation :	r of	NA					
44.Number and list of trees species to be planted in the ground									
Serial Number	Name of	Name of the plant Comm		mmon Name Qua		ntity Ch	aracteristics & ecological importance		
1	Syzigiur	n cumini	Jam	Jambhul		A	NA		
2	Butea mo	onosperma	Pa	Palash		A	NA		
3	Mangife	ra indica	Aa	Aamba		A	NA		
4	Emblica	officinalis	Aa	Aawla		A	NA		
5	Anthoc cada	ephalus amba	Kad	Kadamb		A	NA		
6	Azardira	cta indica	Kalu	Kalu Nimb		A	NA		
7	Tectona	grandis	Saa	Saawan		A	NA		
8	Albizia	lebbeck	Shi	Shirish		A	NA		
9	Bomba	x ceiba	She	Shemal		A	NA		
10	Dalbergi	a latifolia	Shis	ham	NA		NA		
11	Anogeissu	us latifolia	Dha	wada	Ν	A	NA		
12	Haldina	cordifolia	Ka	ram	Ν	A	NA		
13	Haldina	cordifolia	Ka	ram	Ν	A	NA		
45	.Total qua	ntity of plant	s on grou	nd					
46.Num	nber and	list of sh	rubs an	d bushes sp	ecies	to be plante	d in the podium RG:		
Serial Number	2	Name		C/C Distance		Area m2			
1		NA		NA	NA NA				
47.Energy									



		Source of p supply :	ower	Maharashtra	a State	e Electricity Board 1150 kVA		
Power requirement:		During Cor Phase: (De Load)	nstruction mand	1150				
		DG set as I back-up du constructio	G set as Power ack-up during onstruction phase		сарас	rity		
		During Ope phase (Con load):	eration nected	1150				
		During Ope phase (Der load):	eration nand	-				
		Transform	er:	-				
		DG set as I back-up du operation j	Power uring phase:	Existing DGs	s 2 X 6	530 KVA, 1 X 250 KVA, 1 X 300 KVA		
		Fuel used:		HSD				
		Details of l tension lin through th any:	nigh e passing e plot if					
		48.Ene	rgy savi	ng by non	<b>1-CO</b> 1	nventional method:		
NA								
		49	).Detail	calculatio	ons a	& % of saving:		
Serial Number	Е	nergy Conse	ervation Mo	easures	easures Saving %			
1			NA	NA				
		50.	Details	of polluti	on c	ontrol Systems		
Source	Ex	isting pollu	tion contro	l system Proposed to be installed				
NA			NA	NA				
Budgetary	allocation	Capital cos	t:	NA				
(Capital O&M	cost and cost):	O & M cost		NA				
51	.Enviro	onment	al Mar	nageme	nt p	olan Budgetary Allocation		
		a) (	Construc	ction phas	se (v	with Break-up):		
Serial Number	Attri	butes	Parai	neter		Total Cost per annum (Rs. In Lacs)		
1	Existing DGs 2 X 630 KVA, 1 X 250 KVA, 1 X 300 KVA		Dı	ıst		0.5		
2	Hygiene & Sanitation Wor		Worker	Health		2		
3	Enviror Monit	nmental toring	Air, Water, sampling	& testing		0.5		
4	Medical He up of w	ealth check vorkers	Worker	' Health		0.5		
5		-		-		-		
		<b>b</b> )	<b>Operat</b>	ion Phase	e (wi	th Break-up):		

age of the set			Signature: Name: Dr. Umakant Gangetreo Dangat
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Serial NumberComponentDescription				Cap	ital cost Rs Lacs	. In	Opera c	tional and ost (Rs. in	Maintenance Lacs/yr)	
1	Air/ Noi Co	se Pollution ontrol	Dust suppression acoustic enclosur vapour recovery system for tank	Dust suppression , acoustic enclosure , vapour recovery system for tanks		3		0.3		
2	Water control	pollution /rain water	-	-		1			0.3	
3	Occupat	ional Health	Routine health cho	eck		0.5			0.1	
4	Solie Mana	d Waste agement	-			0.5			0.1	
5	Green Belt Development		Tree plantation a green area development	Tree plantation and green area development		1		0.5		
6	Envir Mor	onmental nitoring	Air, water, noise sampling	Air, water, noise sampling		0.5			0.2	
51.S	51.Storage of chemicals (inflamable/explosive/hazardous/toxic									
			sub	sta	ance	es)			_	
Descri	ption	Status	Location	St Caj ir	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
NA	ł	NA	NA		NA	NA		NA	NA	NA
			52.Any Ot	hei	r Info	ormation	1			
No Informa	tion Availa	ble								
			53.Traff	ic N	<b>fana</b>	gement				
Nos. of the junction to the main road & design of confluence:Separate Entry & Exit gate, Separate Emergency Exit are made available.										
Sil										



	Number and area of basement:	NA					
	Number and area of podia:	NA					
	Total Parking area:	25000 SqM					
	Area per car:	-					
	Area per car:	-					
Parking details:	Number of 2- Wheelers as approved by competent authority:	NA					
	Number of 4- Wheelers as approved by competent authority:	NA					
	Public Transport:	NA					
	Width of all Internal roads (m):	-					
	CRZ/ RRZ clearance obtain, if any:	NA					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None in 10 KM radius of the plant area					
	Category as per schedule of EIA Notification sheet	6(b) Isolated storage & Handling of Hazardous chemicals					
	Court cases pending if any	ng No					
	Other Relevant Informations	-					
	Have you previously submitted Application online on MOEF Website.	Yes					
	Date of online submission	19-05-2016					
	TOR 9	Suggested Cha	anges				
Consolidated Statement Point Number	Original	Remarks	Submitted Changes				
Prakruti Enginee Rajrajeshwari colon Mangal Karyalaya, Ja Nashik, Mahara		rs & Consultants, y, Nr. Rajrajeshwari il Road, Nashik Road, ishtra - 422101.	ABC Techno Labs India Pvt Ltd. Head Office: ABC TOWER No. 400, 13th Street, SIDCO Industrial Estate- North Phase, Ambattur Chennai - 600 098 Tamil Nadu, India.; Regional Office: A355, Balaji Bhavan, Plot No. 42 A, Sector 11, CBD Belapur, Navi Mumbai - 400614, Maharashtra.				
15	226 8	acres	914590 sq.m				
SEAC	DISCUSSION	<b>ON ENVIRON</b>	NMENTAL ASPECTS				
Abhay Pimparkar (Secre SEAC-I)	etary SEAC Meeting Nor	No: 157th (A) Meeting Da vember 21, 2018	Pate: Page 20 of 80 Dr. Umakant Dangat (Chairman SEAC-I)	ngat			

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

## Brief information of the project by SEAC

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

During deliebratins it was observed that the consultant mentioned in the consolidated statement is not accredited. PP informed that they have appointed ABC Techno lab India Pvt. Ltd. as their accredited consultant.

## **DECISION OF SEAC**

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 157th (A) Meeting Date: November 21, 2018	Page 21 of 80	Signature: Name: Dr. Umakant Gangetere Dangat Dr. Umakant Dangat (Chairman SEAC-1)
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Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

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

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

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

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

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

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

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

2) PP to ensure to maintain green belt area as shown in lay out submitted during the appraisal of proposal No. 825.3) PP to carry out life cycle analysis of the activities carried out on site with respect to the acidification potential,

eutrophication potential, green house and ozone depletion potential etc

4) PP to include water and carbon foot print monitoring in the Environment Management Plan.

5) PP to obtain permission from competent Authority to draw ground water.

6) PP to carry out HAZOP/Risk Assessment and submit Disaster Management Plan.

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

**8)** PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.

9) PP to include VOC's in the base line data monitoring.

# 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.



### 157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

#### SEAC Meeting number: 157th (A) Meeting Date November 21, 2018

**Subject:** Environment Clearance for Expansion and Construction of 7 Nos. of additional U/G & A/G storage tanks of total capacity 795 KL( Six U/G Tanks of MS-1x45KL, SKO-1x45KL, HSD-1x45KL, Bio-Diesel -1x45KL, HSD Sump-1x20KL, MS sump-1x15KL and one Transmix A/G tank- 1x580KL) at existing HPCL Loni terminal, Village-Kadam Wakwasti, P.O Loni Kalbhor Teshil- Haveli, Pune, MH- 412 201

Is a Violation Case: No						
	Expansion and construction of additional storage tanks of MS, SKO, HSD , Bio-Diesel and other					
1.Name of Project	allied facilities at HPCL Loni terminal, Village-Kadam Wakwasti, P.O Loni Kalbhor Teshil- Haveli, Pune, MH- 412 201					
2.Type of institution	Semi Government					
<b>3.Name of Project Proponent</b>	Hindustan Petroleum Corporation Ltd, Loni Terminal, (Pune)					
4.Name of Consultant	Vardan Environet, Gurgaon (Haryana)					
5.Type of project	Other, 6(b) Isolated storage & handling of hazardous chemicals (As per threshold planning) Industrial Projects - 2					
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and construction of 7 Nos. of additional U/G & A/G storage tanks of total capacity 795 KL( Six U/G Tanks of MS-1x45KL, SKO-1x45KL, HSD-1x45KL, Bio-Diesel -1x45KL, HSD Sump-1x20KL, MS sump-1x15KL and one Transmix A/G tank- 1x580KL) at existing HPCL Loni terminal, Pune, Maharashtra					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC has granted via letter No. SEAC-2009/CR.184/TC2 on 15th July 2010 for Construction of MS, SKO, HSD & Ethanol storage tanks and allied facilities at Loni Terminal					
8.Location of the project	Survey No.156, 158,151,160 to 167					
9.Taluka	Haveli					
10.Village	Kadam Wakwasti					
Correspondence Name:	Bhaskar Jha, Chief Installation Manager					
Room Number:	HINDUSTAN PETROLEUM CORPORATION LIMITED (HPCL)					
Floor:	LONI TERMINAL					
Building Name:	HPCL LONI TERMINAL					
Road/Street Name:	Village-Kadam Wakwasti, P.O Loni Kalbhor					
Locality:	Taluka Haveli					
City:	Pune, MAHARASHTRA-412 201					
11.Area of the project	Yes, HINDUSTAN PETROLEUM CORPORATION LIMITED (HPCL)					
	We are PESO approved					
12.10D/10A/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: We are PESO approved					
	Approved Built-up Area: 157827					
13.Note on the initiated work (If applicable)	No work will be initiated without obtaining Environmental Clearance					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA					
15.Total Plot Area (sq. m.)	254952 m2					
16.Deductions	Not applicable					
17.Net Plot area	254952 m2					
10 (a) Duran and Durits and Area (ECL C	a) FSI area (sq. m.): 2468.58					
Non-FSI)	b) Non FSI area (sq. m.): 1862.76					
	c) Total BUA area (sq. m.): 4331.32					
	Approved FSI area (sq. m.):					
DCR	Approved Non FSI area (sq. m.):					
	Date of Approval: 01-01-1900					
19.Total ground coverage (m2)	NA					
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA					
[]						

a contractor			Signature:
CEOP .			Name: Dr. Umakant Gangatrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 157th (A) Meeting Date:	Page 23	Dr. Umakant Dangat
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21.Estimated cost of the project 16000000									
22.Number of buildings & its configuration									
Serial number	Buildin	ıg Name & ı	number Number of floors			Height of the building (Mtrs)			
1	А	dmin buildin	g		2	10			
23.Numbe tenants an	r of d shops	NA							
24.Numbe expected r users	r of esidents /	NA							
25.Tenant per hectar	density e	NA							
26.Height building(s	of the )								
27.Right o (Width of f from the n station to proposed l	f way the road earest fire the puilding(s)	NA				001			
28.Turning for easy ac fire tender movement around the excluding for the pla	g radius ccess of from all building the width ntation	NA							
29.Existing	J (s) if any	NA	NA						
30.Details demolition disposal (I applicable	of the with f )	NA							
			31.P	roduc	tion Details				
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)			
1	Motor Sp	pirit (MS)	5957	2 KL	45 KL	59617 KL			
2 High Diese		Speed I(HSD)	12892	26 KL	45 KL	128971 KL			
3 Superior Oil(		Kerosene SKO)	1865	0 KL	45 KL	18695 KL			
4	Ethano	ol(ETH)	I) 5252 KL		0 KL	5252 KL			
5	Bio-I	Diesel	0 1	KL	45 KL	45 KL			
6	Transmix /	/SLOP tank	798	KL	580 KL	1378 KL			
7	MS S	Sump	0 1	KL	15 KL	15 KL			
8	HSD	Sump	0 1	KL	20 KL	20 KL			
	32.Total Water Requirement								

approverses			Signature: Name: Dr. Umakant Gangetreo Dangat
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		Source of wa	ter	Hired water tanker and Mula Mutha River						
		Fresh water	(CMD):	8 KLD						
		Recycled wat Flushing (CM	er - ID):	NA						
		Recycled wat Gardening (C	er - CMD):	15 KLD						
		Swimming po make up (Cu	ool m):	0						
Dry season	1:	Total Water Requirement :	: (CMD)	23 KLD						
		Fire fighting Underground tank(CMD):	- I water	NA						
		Fire fighting Overhead wa tank(CMD):	- ter	7000 KL						
		Excess treate	ed water	0						
		Source of wa	ter	Hired water	tanker and M	ula Mutha	River			
		Fresh water	(CMD):	8 KLD						
Recycled water - Flushing (CMD): Recycled water - Gardening (CMD):		NA								
		10 KLD								
		Swimming po make up (Cu	ool m):	0						
Wet seaso	n:	Total Water Requirement :	(CMD)	18 KLD						
		Fire fighting Underground tank(CMD):	- I water	NA						
		Fire fighting Overhead wa tank(CMD):	ter	7000 KL						
		Excess treate	d water	0						
Details of a pool (If an	Swimming y)	NA								
		33	.Detail	s of Tota	l water co	nsume	d			
Particula rs	Cons	sumption (CM	D)	Ι	Loss (CMD)		Eff	fluent (CMD)		
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Gardening	15	0	15	0	0	0	0	0	0	
Industrial Process	0	0	0	0	0	0	0	0	0	
Domestic	5	3	8	0	0	0	3	1	4	

	Level of the Ground water table:	10 m
	Size and no of RWH tank(s) and Quantity:	At present the runoff generated within plant premises is collected through existing storm water drains and connected to rainwater collection tank, which is used for gardening, cleaning and washing
	Location of the RWH tank(s):	It is beside canteen
34.Rain Water Harvesting	Quantity of recharge pits:	NA
(RWH)	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA
	Natural water drainage pattern:	NA
35.Storm water drainage	Quantity of storm water:	NA
	Size of SWD:	NA
	Sewage generation in KLD:	4
Sewage and	STP technology:	Septic Tank followed by Soak Pit are provided for discharge of domestic sewage
	Capacity of STP (CMD):	0
Waste water	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	0
	Budgetary allocation (O & M cost):	0
	36.Soli	d waste Management
Waste generation in the Pre Construction	Waste generation:	The solid waste generation on the proposed site will be due to the various construction materials like cement, bricks, steel, sand stone, paints and varnishes.
and Construction phase:	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works and metal scrapes will be sold to metal recyclers.
	Dry waste:	Paper, cartons, Plastics etc-4 Kg approx.
	Wet waste:	Biodegradable canteen waste- 8 Kg approx.
Waste generation in the operation Phase:	Hazardous waste:	No hazardous waste will be generated as plant activity involves only receipt, storage & dispatch of Petroleum products. Waste containing Oil and Residue (12.48 MT/A) Only. Oily sludge generated intermittently during tank cleaning operations which will be send to the authorized disposal facility. HPCL is a member of Common Hazardous waste Transport Storage and Disposal Facility(CHWTSDF). HPCL has agreement with the authorized vendors
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	None
	Others if any:	NA

		Dry waste:		Handed ove	er to the auth	norised vend	or		
		Wet waste	•	Reused as 1	nanure for g	ardening			
Mode of I of waste:	Disposal	Hazardous	s waste:	No hazardo receipt, sto generated i send to the Common H Facility(CH	ous waste wil rage & dispa ntermittenth authorized o azardous wa WTSDF).	l be generat atch of Petrol y during tanl lisposal facil ste Transpor	ed as plant a leum produc « cleaning or ity. M/s HPC t Storage an	ctivity involves only ts. Oily sludge perations which will be L is a member of d Disposal	
Biomedical waste (If applicable):			l waste (If ):	N/A					
STP Sludge (Dry sludge):			e (Dry	Sewage will be disposed in soak-pit and septic tank.					
		Others if a	n <b>ny:</b>	NA					
		Location(s	s):	NA					
Area for the storage of waste & other material:			NA						
		Area for m	achinery:	NA					
Budgetary	allocation	Capital co	st:	NA					
O&M cost)	M cost): 0 & M cost:			NA					
37.Effluent Charecterestics									
Serial Number	Paran	Parameters Unit		Inlet E Charect	ffluent cerestics	uent Outlet E estics Charecte		Effluent discharge standards (MPCB)	
1	Oil & 0	Grease	Mg/L	N	ſΑ	NA		<10	
2	P	Н	-	NA		NA		5.5-9	
3	BC	)D	Mg/L	NA		23.7		<30	
4	CC	DD	Mg/L	N	ſΑ	95		<100	
5	S	S	Mg/L	N	NA		5	<50	
Amount of e (CMD):	effluent gene	eration	Since this p requiremen generated o contaminat	nce this project is an Isolated Storage Terminal therefore there is no water quirement for the process. The effluent generated is zero, however the runoff merated during rains is connected to the ETP for treatment as it gets ontaminated. This treated runoff is recycled back for gardening purpose.					
Capacity of	the ETP:		150 KLD						
Amount of t recycled :	reated efflue	ent	100 KLD						
Amount of v	vater send to	o the CETP:	NA						
Membershij	o of CETP (if	require):	NA						
Note on ET	P technology	to be used	Activated S	ed Sludge Process					
Disposal of	the ETP slud	lge	Shall be ser	nt to CHWTS	DF				
			<b>38.H</b> a	zardous	Waste D	etails			
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal	
1	Waste/r contair	residues ning oil	5.2	MT/A	12.48 MT/A	0	12.48 MT/A	CHWTSDF	
			39.St	acks em	ission De	etails			
Serial Number	Section	& units	Fuel Us Quar	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	

2-000 theses			Signature:	
CC67			Name: Dr. Umakant Gangetreo Dangat	L
Abhay Pimparkar (Secretary	SEAC Meeting No: 157th (A) Meeting Date:	<b>Page 27</b>	Dr. Umakant Dangat	L
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		-		1

2   DG Set (250 KVA)   20 LTD   1          5.5 m above the roof of the building    NA   NA     Serial Number   Type of Fuel   Existing   Proposed   Total     1   HSD   50   30   80     41.Source of Fuel   Owned   Owned   Image: Colspan="3">Owned     42.Mode of Transportation of fuel to site   Owned Pipeline   Image: Colspan="3">Owned     Void of trees to be cut   NA     NA     Mumber of trees to be cut     No of trees to be cut   NA   NA     List of proposed native trees :   NA   NA     Timeline for completion of plantation :   NA     Void trees species to be planted in the ground     Serial Number     Name of the plant   Common Name   Quantity   Characteristics & eco importance		NA NA	NA			500 KVA) 30 LTD		DG set (	1	
Serial Number     Type of Fuel     Existing     Proposed     Total       1     HSD     50     30     80       41.Source of Fuel     Owned     Owned     1     80       42.Mode of Transportation of fuel to site     Owned     1				5.5 m above the roof of the building	1	250 KVA) 20 LTD		DG Set (	2	
Serial Number     Type of Fuel     Existing     Proposed     Total       1     HSD     50     30     80       41.Source of Fuel     Owned          42.Mode of Transportation of fuel to site     Owned Pipeline          42.Mode of Transportation of fuel to site     Owned Pipeline          Total RG area :     89030 meter sq.       No of trees to be cut :     NA     NA        Number of trees to be planted :     NA         List of proposed native trees :     NA         Timeline for completion of plantation :     NA         44.Number and list of trees species to be planted in the ground				e used	uel to b	tails of <b>H</b>	40.De			
1   HSD   50   30   80     41.Source oF Fuel   Owned   Owned   Image: Second condition of fuel to site   Image: Second condition condition of fuel to site   Image: Second condition conditon condition conditon condi	Total			Proposed		Existing	Type of Fuel Existin		Serial Number	
41.Source of Fuel   Owned     42.Mode of Transportation of fuel to site   Owned Pipeline     Image: Second Sec		80		30		50		HSD		1
42.Mode of Transportation of fuel to site Owned Pipeline 42.Mode of Transportation of fuel to site Owned Pipeline Figure 1 State 1 State 1 State 1 State 2 State						ed	Owne		of Fuel	41.Source of
43.Green Belt   Total RG area :   89030 meter sq.     No of trees to be cut :   NA     Number of trees to be planted :   NA     List of proposed native trees :   NA     Timeline for completion of plantation :   NA     VA   VA     VA   VA     Common for the plant   NA     NA   VA     VA						ed Pipeline	site Owne	ion of fuel to	Transportat	42.Mode of
Total RG area :   89030 meter sq.     Na of trees to be cut :     Number of trees to be planted :   NA     List of proved native trees :   NA     Timeline for completion of plantation :   NA     VA     VA     VA     VA     Serial Name of the plant     Name of the plant     Common Name     Quantity     Common Name										
43.Green Belt   No of trees to be cut   NA     Number of trees to   NA     Development   List of proposed     Ist of proposed   NA     Timeline for   NA     completion of   NA     Vertice   Vertice     Vertice   Vertice     Serial   Name of the plant     Name of the plant   Common Name     Quantity   Characteristics & econimportance		89030 meter sq.					rea :	Total RG area :		
43.Green Belt Development   Number of trees to be planted :   NA     List of proposed native trees :   NA     Timeline for completion of plantation :   NA     44.Number and list of trees species to be planted in the ground     Serial Number   Name of the plant     Serial Number   Name of the plant   Common Name     Quantity   Characteristics & eco importance	cut <sub>NA</sub>				to be cut	No of trees to b :				
Development   List of proposed native trees :   NA     Ist of proposed native trees :   NA     Timeline for completion of plantation :   NA     Very Plantation :   NA     Serial Number   Name of the plant     Common Name   Quantity     Characteristics & eco importance		to NA				trees to :	Number of be planted	n Belt	43.Gree	
Timeline for completion of plantation :   NA   44.Number and list of trees species to be planted in the ground   Serial Number Name of the plant Common Name Quantity Characteristics & econimportance		NA				posed	evelopment List of proposed native trees :			
44.Number and list of trees species to be planted in the groundSerial NumberName of the plantCommon NameQuantityCharacteristics & eco importance		Timeline for completion of plantation : NA				NA	s :	native tree		
Serial NumberName of the plantCommon NameQuantityCharacteristics & eco importance				9	6	NA	s : or 1 of :	Timeline for completion plantation		
		the ground	l in the	e planted	cies to b	NA NA	s : or of : l list of t	Timeline for completion plantation	44.Nu	
1 NA NA NA NA	)logical	the ground haracteristics & ecolo importance	<b>l in the</b> Charac	e planted	cies to b Quar	NA In A In A In A A A A A A A A A A A A A A A A A A A	s : or i of : l list of t Commo	native tree Timeline for completion plantation <b>mber and</b> the plant	44.Nu	Serial Number
45.Total quantity of plants on ground	ological	the ground haracteristics & ecolo importance NA	<b>l in the</b> Charac	e planted ntity A	cies to b Qua	NA NA Crees spe on Name	s : or of : I list of t Commo	native tree Timeline for completion plantation <b>mber and</b> the plant	44.Nui Name of	Serial Number 1
46.Number and list of shrubs and bushes species to be planted in the podiu	ological	the ground haracteristics & ecolo importance NA	l in the Charac	e planted ntity A	cies to b Qual	NA INA INA INA INA INA INA INA I	s : or of : I list of t Commo N ts on groun	Timeline for completion plantation mber and the plant	<b>44.Nu</b> Name of N 5.Total quar	Serial Number 1 43
Serial Number     Name     C/C Distance     Area m2	ological m RG:	the ground haracteristics & ecolo importance NA ed in the podium	l in the Charac	e planted ntity A to be pla	cies to b Quan N S species	NA Interession Int	s : or of : l list of t Commo N ts on groun nrubs an	Timeline f completion plantation mber and the plant A ntity of plan list of sl	44.Nui Name of 5.Total quan	Serial Number 1 45 46.Nun
1 NA NA NA	ological Im RG:	the ground haracteristics & ecolo importance NA ed in the podium Area m2	l in the Charac anted in Ar	e planted ntity A to be pla	cies to b Quai N s species nce	NA INA INA INA INA INA INA INA I	s : or of : l list of t Commo N ts on groun nrubs an	native tree Timeline f completion plantation mber and the plant A ntity of plan list of sl Name	44.Nu Name of N 5.Total quan	Serial Number 1 45 46.Num Serial Number
47.Energy	ological Im RG:	the ground haracteristics & ecolo importance NA ed in the podium Area m2 NA	l in the Charac anted in Ar	e planted ntity A to be pla	cies to b Quar N s species nce	NA INA INA INA INA INA INA INA I	s : or of : I list of t Commo N ts on groun nrubs an	native tree Timeline for completion plantation mber and the plant the plant A ntity of plan list of sl Name NA	44.Nui Name of 5.Total quan	Serial Number 1 43 45 46.Num Serial Number 1



SY

		Source of p supply :	oower	Maharashtra State Electricity Distribution Company Ltd and owned Rooftop Solar Power System (50 KW)					
		During Cor Phase: (De Load)	nstruction mand	NA					
		DG set as I back-up du constructio	Power Iring on phase	1 x 500 KVA	A (Exis	ting) & 1 x 250 KVA (Existing)			
Dor	107	During Ope phase (Con load):	eration inected	2100 KVA (I	Existir	ng)			
requirement:		During Ope phase (Der load):	eration nand	2061 KVA (I	2061 KVA (Existing)				
		Transform	er:	Yes,					
		DG set as I back-up du operation j	Power Iring phase:	1 x 500 KVA sets will rep	1 x 500 KVA, 1x 250 KVA , 2 X 1000 kVA(Proposed) These proposed DG sets will replaced the existing DG sets.				
		Fuel used:		HSD					
		Details of l tension lin through th any:	nigh e passing e plot if	NA					
48.Energy saving by non-conventional method:									
The project proponent has installed 50 KW solar system on roof and also has LED lights in street lighting as well as within the plant premises.									
49.Detail calculations & % of saving:					& % of saving:				
Serial Number	E	nergy Conso	ervation Mo	easures		Saving %			
1		Solar and LE	D Lighting S	NA NA					
		50.	Details	of polluti	ion d	control Systems			
Source	Ex	isting pollu	tion contro	f system Proposed to be installed					
Air	Adequate S greenb	Stack height l elt developm	nas been pro ent done wit	ovided for DG thin the plant	3 set, t.	Adequate Stack Height shall be provided to proposed D G Sets			
Waste water	Oil Water ETP and o	Separator ha domestic was followe	s been prov ste water sei d by soak pi	ided followed nt to septic ta t	d by ank	Oil Water Separator has been provided followed by ETP and domestic waste water sent to septic tank followed by soak pit			
Noise	Acoustic	enclosure ha	s been provi	ided for DG s	ets	Acoustic Enclosures shall be provided to proposed D G Sets			
Budgetary (Capital	allocation	Capital cos	st:	0					
O&M	cost):	O & M cost		1.20 Lacs					
51	.Enviro	onment	al Mar	nageme	nt j	plan Budgetary Allocation			
		a) (	Construc	ction pha	se (	with Break-up):			
Serial Number	Attri	butes	Para	meter		Total Cost per annum (Rs. In Lacs)			
1	Expendit Enviro Manag	ure of on onment gement	Air, water Lab	r, Noise & oour		Rs 12.60 (approximately)			
		b	) Operat	ion Phase	e (w	ith Break-up):			

age of the set			Signature: Name: Dr. Umakant Gangatrao Dangat
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Serial Number	Con	nponent	Description		Capital cost Rs. In Lacs		Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Envi Manag S	ronment Jement and Safety	Environment Pollution Control & Health,300 LacsSafety Measures			12.60 Lacs				
51.S	51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)									
Descrip	otion	Status	Location	Sto Cap in	rage acity MT	Maximum Quantity of Storage at any point of time in MT	Cons / M	umption onth in MT	Source of Supply	Means of transportation
HSI	)	Existing above ground tank	As per layout	2299	97 KL	22997 KL	A requ	s per lirement	9,	By rail & pipeline
HSI	)	Existing above ground tank	As per layout	2358	87 KL	23587 KL	A requ	s per iirement	_	By rail & pipeline
HSI	)	Existing above ground tank	As per layout	2334	44 KL	23344 KL	A requ	s per iirement	-	By rail & pipeline
MS	5	Existing above ground tank	As per layout	2386	69 KL	23869 KL	A requ	s per lirement	-	By rail & pipeline
MS		Existing above ground tank	As per layout	964	-1 KL	9641 KL	A requ	s per lirement	-	By rail & pipeline
MS	5	Existing above ground tank	As per layout	969	9 KL	9699 KL	A requ	s per lirement	-	By rail & pipeline
MS		Existing above ground tank	As per layout	445	5 KL	4455 KL	A requ	s per lirement	-	By rail & pipeline
MS		Existing above ground tank	As per layout	455	8 KL	4558 KL	A requ	s per lirement	-	By rail & pipeline
ETHAN	NOL	Existing above ground tank	As per layout	427	6 KL	4276 KL	A requ	s per lirement	-	By Road Tankers
HSI		Existing above ground tank	As per layout	1053	31 KL	10531 KL	A requ	s per iirement	-	By rail & pipeline
HSI		Existing above ground tank	As per layout	1010	05 KL	10105 KL	A requ	s per lirement	-	By rail & pipeline
HSI	)	Existing above ground tank	As per layout	1011	18 KL	10118 KL	A requ	s per iirement	-	By rail & pipeline
HSI	)	Existing above ground tank	As per layout	1100	00 KL	11000 KL	A requ	s per lirement	-	By rail & pipeline
HSI	)	Existing above ground tank	As per layout	734	4 KL	7344 KL	A requ	s per lirement	-	By rail & pipeline
MS		Existing above ground tank	As per layout	735	0 KL	7350 KL	A requ	s per lirement	-	By rail & pipeline

Abhay Pimparkar (Secretary SEAC-I)

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MS	Existing above ground tank	As per layout	7350 KL	7350 KL	As per requirement	-	By rail & pipeline
HSD	Existing above ground tank	As per layout	9900 KL	9900 KL	As per requirement	-	By rail & pipeline
SKO	Existing above ground tank	As per layout	7350 KL	7350 KL	As per requirement	-	By rail & pipeline
SKO	Existing above ground tank	As per layout	5650 KL	5650 KL	As per requirement		By rail & pipeline
SKO	Existing above ground tank	As per layout	5650 KL	5650 KL	As per requirement		By rail & pipeline
ETHANOL	Existing above ground tank	As per layout	396 KL	396 KL	As per requirement		By Road Tankers
ETHANOL	Existing above ground tank	As per layout	535 KL	535 KL	As per requirement		By Road Tankers
SLOP	Existing above ground tank	As per layout	399 KL	399 KL	As per requirement	-	By rail & pipeline
SLOP	Existing above ground tank	As per layout	399 KL	399 KL	As per requirement		By rail & pipeline
ETHANOL	Existing underground Tank	As per layout	45 KL	45 KL	As per requirement	-	By Road Tankers
MS	Proposed underground Tank	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
HSD	Proposed underground Tank	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
SKO	Proposed underground Tank	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
BIO-DIESEL	Proposed underground Tank	As per layout	45 KL	45 KL	As per requirement	-	By Road Tankers
TRANSMIX TANK	Proposed aboveground Tank	As per layout	580 KL	580 KL	As per requirement	-	By rail & pipeline
HSD SUMP	Proposed underground Tank	As per layout	20 KL	20 KL	As per requirement	-	By rail & pipeline
MS Sump	Proposed underground Tank	As per layout	15 KL	15 KL	As per requirement	-	By rail & pipeline
		52.Any Oth	ner Info	rmation			
No Information Availa	able						
		53.Traffic	: Manag	ement			
	Nos. of the junction to the main road & design of confluence:						

age of the set			Signature:
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	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
Parking details:	Number of 2- Wheelers as approved by competent authority:	NA
	Number of 4- Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Industrial Project Categorized as 6(b) as per EIA Notification 2006
	Court cases pending if any	NA
	Other Relevant Informations	There is no manufacturing process involved in the Terminal. The Rail Wagon Terminal has been handling and storing various petroleum products like MS, SKO, HSD, Ethanol and Biodiesel.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-02-2018
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS
Environmental Impacts of the project	Not Applicable	
Water Budget	Not Applicable	
Waste Water Treatment	Not Applicable	
Drainage pattern of the project	Not Applicable	
Ground water parameters	Not Applicable	

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 157th (A) Meeting Date: November 21, 2018	Page 32 of 80	Signature: Name: Dr. Umakant Gaugetreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
<b>Energy Management</b>	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

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

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

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

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

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

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

## **DECISION OF SEAC**

agenoratives			Signature: Name: Dr. Umakant Gangetreo Dangat
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PP has obtained earlier EC vide No. SEAC-2/CR-184/TC-2 dated 15.07.2010; PP to submit certified copy of compliance of earlier EC from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017

Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

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

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

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

**3)** PP to submit details of proposed effluent treatment plant.

**4)** PP to submit copy of agreement made with irrigation department for lifting of water from Mula - Mutha River.

**5)** PP to provide STP for the treatment of domestic sewage.

6) PP to carry out HAZOP/Risk Assessment and submit Disaster Management Plan.

7) PP to include VOC's in the base line data monitoring.

Sih

8) PP to include water and carbon foot print monitoring in the Environment Management Plan.

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

# 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.

Abhay Pimparkar (Secretary<br/>SEAC-I)SEAC Meeting No: 157th (A) Meeting Date:<br/>November 21, 2018Page 34<br/>of 80Signature:<br/>November 24<br/>Signature:<br/>Dr. Umakant Dangat<br/>(Chairman SEAC-I)

### 157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

#### SEAC Meeting number: 157th (A) Meeting Date November 21, 2018

**Subject:** Environment Clearance for Proposed construction of 4 x 500 MT capacity LPG Bottling Plant including 2 x 36 filling guns electronic carousel , 8 nos. of tank truck unloading/loading bays at Plot No E-1/7, Chavane Village, Rasayani, Patalganga, Panvel, District: Raigad, Maharashtra

#### Is a Violation Case: No

1.Name of Project	Environmental Clearance for proposed construction of 4 x 500 MT capacity LPG Bottling Plant including 2 x 36 filling guns electronic carousel , 8 nos. of tank truck unloading/loading bays at Plot No E-1/7, Chavane Village, Rasayani, Patalganga, Panvel, District: Raigad, Maharashtra			
2.Type of institution	Semi Government			
3.Name of Project Proponent	Hindustan Petroleum Corporation Limited (HPCL)			
4.Name of Consultant	ABC Techno Labs India Pvt. Ltd. ; Head office : No. 2, 2nd street, Thangam Colony, Anna Nagar West, Chennai - 600 040 ; Regional Office : A-355, Balaji Bhavan, Plot 42 A, Sect 11, CBD Belapur, Navi Mumbai 400614 ;Tel : 022-2758 0044/55; Email ID: chaitanyasathe@abctechnolab.com			
5.Type of project	Not applicable			
6.New project/expansion in existing project/modernization/diversification in existing project	${f n}$ This is a new plant, the proposed capacity is 2000 (4 x 500 MT) LPG storage in MSV			
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	nsion/diversification, environmental clearance n obtained for existing			
8.Location of the project	Plot No E-1/7, Rasayani.			
9.Taluka	Tehsil- Panvel			
10.Village	Chavane			
Correspondence Name:	Shri . V.Venu Madhav			
Room Number:	8			
Floor:	NA			
Building Name:	Hindustan Bhavan,			
Road/Street Name:	SV Marg,			
Locality:	Ballard Estate			
City:	Mumbai			
11.Area of the project	Not applicable			
	Not applicable			
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Not applicable			
	Approved Built-up Area:			
13.Note on the initiated work (If applicable)	Not applicable			
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable			
15.Total Plot Area (sq. m.)	141640 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.):			
	Approved FSI area (sq. m.): Not applicable			
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): Not applicable			
2011	Date of Approval: 28-08-2018			
19.Total ground coverage (m2)	Not applicable			
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.5			

age of the ser			Signature: Name: Dr. Umakant Gangetreo Dangat
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21.Estimated cost of the project		2492600000					
22.Number of buildings & its configuration							
Serial number Building Name & r			number	Number of floors		leight of the building (Mtrs)	
1	1 Not applicabl			ľ	Not applicable		Not applicable
23.Number of tenants and shops		Not applica	Not applicable				
24.Number of expected residents / users		42 workers during operations; 150 during constructions					
25.Tenant per hectar	<b>density</b> e	Not applicable					
26.Height building(s)	of the						
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)		7 M wide at distance 5 km					
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		Yes					
29.Existing structure (	J s) if any	Yes					
30.Details demolition disposal (I applicable)	0.Details of the emolition with isposal (If pplicable)						
<b>31.Production Details</b>							
Serial Number Product		Existing (MT/M) Proposed (MT/		[/ <b>M</b> ]	Total (MT/M)		
1 LPG		0 180 TMTPA		Α	180 TMTPA		
	32.Total Water Requirement						



C C
		Source of wa	ter	Borewells at the project site.							
		Fresh water	(CMD):	36							
		Recycled wat Flushing (CM	er - ID):	0							
		Recycled wat Gardening (C	er - CMD):	2							
Swimming pool make up (Cum):			0								
Dry season:		Total Water Requirement :	: (CMD)	36							
		Fire fighting Underground tank(CMD):	- I water	Not applical	ble			.0			
		Fire fighting Overhead wa tank(CMD):	- ter	Not applical	ble			0			
		Excess treate	ed water	Not applical	ole						
		Source of wa	ter	Borewells at	the project si	te.					
		Fresh water	(CMD):	Not applical	ole						
		Recycled wat Flushing (CM	er - 1D):	Not applicable							
Recycled water - Gardening (CMD):			Not applicable								
		Swimming po make up (Cu	ool m):	Not applicable							
Wet seaso	n:	Total Water Requirement :	: (CMD)	Not applicable							
		Fire fighting Underground tank(CMD):	- I water	Not applicable							
		Fire fighting Overhead wa tank(CMD):	ter	Not applicable							
		Excess treate	ed water	Not applicable							
Details of pool (If an	Swimming y)	Not applicable	<del>)</del>								
		33	.Detail	s of Tota	l water co	nsume	d				
Particula rs	Cons	sumption (CM	D)	Ι	loss (CMD)		Eff	fluent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing Proposed Total			Existing	Proposed	Total		
Domestic	0	4	4	0	0	0	0	1.5	1.5		
Industrial Process	0	30	30	0	0	0	0	3	3		
Gardening	0	2	2	0	0	0	0	0	0		

	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) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	-
	Natural water drainage pattern:	
drainage	Quantity of storm water:	-
	Size of SWD:	-
	Sewage generation in KLD:	1.5
	STP technology:	septic tank & soak pit.
Sewage and	Capacity of STP (CMD):	0
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:	25 kg
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	It will be disposed as per applicable Solid Waste Management Rules -2016.
	Dry waste:	
	Wet waste:	
	Hazardous waste:	Spent oil- 15 LPM
in the operation Phase:	Biomedical waste (If applicable):	
1 14001	STP Sludge (Dry sludge):	
	Others if any:	



		Dry waste:											
		Wet waste	:										
		Hazardous	waste	e:	It will hand	ed ove	r to aı	uthorized haz	zardou	ıs wast	te recyclers.		
Mode of a of waste:	Disposal	Biomedica applicable	l wast ):	e (If									
STP Sludg sludge):			e (Dry	T									
		Others if a	ny:										
Location(s):													
Area for the of waste & material:		Area for th of waste & material:	e stor other	rage	within in the plant								
		Area for m	achin	ery:	-								
Budgetary	allocation	Capital cos	st:		0						6		
O&M cost)	:	O & M cos	t:		0								
			3	7.Ef	fluent Cl	hare	cter	estics			7		
Serial Parameters Unit				nit	Inlet E Charect	ffluen eresti	t cs	Outlet I Charect	Efflue erest	nt ics	Effluent discharge standards (MPCB)		
1	-			-	-								
Amount of e (CMD):	effluent gene	eration	3 KLE	)									
Capacity of the ETP: 10 KLD				D									
Amount of treated effluent 3													
Amount of v	vater send to	o the CETP:	0			>>							
Membershij	p of CETP (if	f require):				7							
Note on ET	P technology	to be used	BAR S Tank Wate	SCREE L,SETT ER CO	EEN,OIL & GREASE TRAP,EQUALISATION TANK, REACTION ITLING TANK,BUFFER TANK,ACTIVATED CARBON FILTER,TREATED OLLECTION TANK								
Disposal of	the ETP sluc	lge	sent t	o auth	orised Party								
			38	8.Ha	zardous Waste Details								
Serial Number	Descr	iption	Ca	at	UOM	Exis	ting	Proposed 7		tal	Method of Disposal		
1	Sper	nt oil		-	LPM	C	)	15	15 ]	LPM	It will handed over to authorized hazardous waste recyclers.		
			3	9.St	acks em	issio	n De	etails					
Serial Number	Section	& units	Fuel Use Quan		ed with ntity	Stack	« No.	Height from ground level (m)	Inte dian (1	ernal neter n)	Temp. of Exhaust Gases		
1	D.G. Set- 2	x 600 KVA	20	00 Lit	t/ Month	1	-	3.5		-			
2 D.G. Set- 1 x 250 KVA			-	-	1		3.5		-				
40.De			tails of F	uel t	to be	e used							
Serial Number	Typ	e of Fuel			Existing		Proposed		Proposed		Total		
1		HSD			0		2000 Lit/ Month		th	will b	e used in case of power failure		

7-000 AVESS			Signature:
C469			Name: Dr. Umakant Gangatrao Dangat
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41.Source of Fuel near by supply so				ear by supply so	ource			
42.Mode of	Transportat	ion of fuel to	site by	y road				
Total RG area				49776.33				
No of trees to :		to be cu	<b>ut</b> 0					
43.Green Belt Development List of propor native trees :		trees to :	<b>b</b> 50					
		List of prop native trees	oosed s:	Cassia fistu integrifolia Terminalia	ıla, Neolamar , Schleichera elliptica,	cckia cadaml oleosa, Xyli	oa, Butea monosperma, Holoptelea a xylocarpa, Bombax ceiba,	
Timeline for completion of plantation :				With Comp	letion of Con	struction ph	ase.	
44.Number and list of trees species to be planted in the ground						l in the ground		
Serial Number	Name of the plant Commo		mon Name	Quar	ntity	Characteristics & ecological importance		
1	Cassia	ssia Fistula Bah		Bahava	6	5	Medicinal value, Drought tolerant species, ornamental, flowering plant	
2	Neolan Cada	narckia amba	]	Kadam	4			
3	Butea Mo	nosperma		Palas	1	2		
4	Bomba	x Ceiba	Ka	ate-Sawar	7			
5	Schleiche	era Oleosa	]	Kusum	1	0		
6	Terminali	a Elliptica		Asan	3	}	Indigenous, Pollution resistant, gives shade	
7	Azadiracl	nta Indica	K	Cadulimb	5	5	Native, Medicinal value, to control soil erosion, Evergreen	
8	8 Mangifera Indica Ma		Mango	3	}	Fruit plant, fragrant flowers or leaves, attracts birds/butterflies/bees		
45	.Total qua	ntity of plan	ts on gr	round				
46.Num	nber and	list of sh	rubs a	and bushes	s species	to be pla	anted in the podium RG:	
Serial Number		Name		C/C Dista	C/C Distance		Area m2	
1	Not	applicable		Not applie	cable		Not applicable	
	<u> </u>			<b>47.</b> E	nergy			



		Source of supply :	power	MSEDCL						
		During Co Phase: (De Load)	nstruction emand	100 KVA						
		DG set as back-up du construction	Power 1ring on phase							
Derver		During Op phase (Cor load):	eration nnected	750 KVA	750 KVA					
require	ement:	During Op phase (Der load):	eration mand							
		Transform	er:							
		DG set as back-up du	Power ıring phase:	2 x 600 KVA	A and 1	l x 250 KVA	<b>N</b> 0.			
		Fuel used:		HSD						
		Details of i tension lin through th any:	high le passing le plot if	NA	NA					
48.Energy savi				ng by no	n-co	nventional m	nethod:			
49.Detail c				calculati	ons	& % of savin	g:			
Serial Number	Е	nergy Cons	ervation M	easures	easures Saving %					
1							0			
		50	.Details	of polluti	ion c	ontrol Syste	ms			
Source	Ex	isting pollu	tion contro	Proposed to be installed						
Budgetary	allocation	Capital cos	st:	180 lacs						
(Capital O&M	cost and cost):	O & M cos	t;	23 lacs						
51	.Envir	onment	al Mar	nageme	ent i	olan Buda	etary Allocation			
			Construe	tion nha		with Brook-u	n).			
Sorial		a)		cton hug	196 (I		.p),			
Number	Attri	butes	Para	neter		Total Cost p	er annum (Rs. In Lacs)			
1	N	Jil	N	lil			0			
		b	) Operat	ion Phas	e (w	ith Break-up	):			
Serial Number	Comp	onent	Descr	iption	Сар	ital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	lands	scape	Green Hortic	Belt / culture	30		5			
2	water cor	nservation	Rain Water	Harvesting		30	2			
3	waste wate	r treatment	Water ma	nagement		80	10			
4	-		Signage's	s for EMP		10	1			

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5	Polluti	on control	Noise Meas	Control sures	pl 10				2		
6	Enviro Mor	onmental hitoring	Enviror Monit	nmental toring		10			1		
7	EnvironmentalEnviro7Awareness andAwarenTrainingTrainingTraining		Enviror Awaren Trai	nmental .ess and ning			10			2	
51.S	51.Storage of chemicals				lam	abl	e/expl	osiv	/e/haz	zardou	s/toxic
				sub	sta	nce	es)				
Descri	Description		Locatio	Location		rage acity MT	Maximum Quantity of Storage at any point of time in MT	Cons / Mo	umption onth in MT	Source of Supply	Means of transportation
Not App	licable	Not Applicable	Not Applica	able	N Appl	lot icable	Not Applicable	App	Not olicable	Not Applicable	Not Applicable
			52.A	ny Ot	her	Info	rmation			_	
No Informa	No Information Available								3		
	53.				C M	anag	jement				
	Nos. of the junction to the main road & design of confluence:		One Junction at main Road								
		Number basemer	and area of nt:	Not Ap	plical	ole					
		Number podia:	and area of	Not Ap	plical	ole					
		Total Pa	rking area:	10000 Sq.m							
		Area pe	r car:	dedicated car parking Shed size 15X6 M,2 wheeler parking Shed size 15X 2.5 M							
		Area pe	r car:	dedicated car parking Shed size 15X6 M,2 wheeler parking Shed size 15X 2.5 $\rm M$							
Parking details:		Number Wheeler approve compete authorit	Number of 2- Wheelers as approved by competent authority:			Not Applicable					
		Number Wheeler approve compete authorit	o of 4- rs as d by ent y:	Not Applicable							
		Public T	ransport:	Not Ap	plical	ole					
		Width o roads (n	f all Internal n):	5m wide							
		CRZ/ RF obtain, i	Z clearance if any:	Not Ap	plical	ole					

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Yes, General Condition: The Karnala Bird Sanctuary lies within a distance of 5 KM approx. from the project .
	Category as per schedule of EIA Notification sheet	В
	Court cases pending if any	No
	Other Relevant Informations	
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-08-2018
SEAC	DISCUSSION	<b>ON ENVIRONMENTAL ASPECTS</b>
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 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

# **DECISION OF SEAC**

PP submitted in their consolidated statement that, the distance of Karnala Bird Sanctury is within 5 km from the project site. But PP was not having any authentic docuement to verify the distance.

PP informed that, they will obtain the distance certificate from competent Authority and submit to the committee, till that time PP requested to postpone the proposal.

Hence, deferred.

**Specific Conditions by SEAC:** 

### FINAL RECOMMENDATIO

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



### 157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1) SEAC Meeting number: 157th (A) Meeting Date November 21, 2018 Subject: Environment Clearance for Expansion of "Chemical Manufacturing Plant" Is a Violation Case: No 1.Name of Project Expansion of "Chemical Manufacturing Plant" 2.Type of institution Private **3.Name of Project Proponent** M/s Excel Industries Limited 4.Name of Consultant M/s Perfact Enviro Solutions Pvt. Ltd **5.Type of project** Not applicable 6.New project/expansion in existing project/modernization/diversification Expansion in Existing project in existing project 7.If expansion/diversification. No, the unit was established before the EIA Notification, 2006. Therefore, Environment whether environmental clearance has been obtained for existing Clearance was taken. The unit has valid consent to operate. project 8.Location of the project Plot no. 112, 20/1 & OS-2 Roha 9.Taluka 10.Village MIDC Dhatav **Correspondence Name:** NA **Room Number:** NA Floor: NA **Building Name:** NA **Road/Street Name:** NA Locality: NA City: NA **11.Area of the project** Maharashtra Industrial Development Corporation NA 12.IOD/IOA/Concession/Plan IOD/IOA/Concession/Plan Approval Number: NA Approval Number Approved Built-up Area: 47622.61 13.Note on the initiated work (If This is already existing industry applicable) 14.LOI / NOC / IOD from MHADA/ Not applicable Other approvals (If applicable) 15.Total Plot Area (sq. m.) 95569 sqm **16.Deductions** 0 **17.Net Plot area** 95569 sam a) FSI area (sq. m.): 47622.61 18 (a).Proposed Built-up Area (FSI & b) Non FSI area (sq. m.): Non-FSI) c) Total BUA area (sq. m.): 47622.61 Approved FSI area (sq. m.): Not applicable 18 (b).Approved Built up area as per Approved Non FSI area (sq. m.): Not applicable DCR Date of Approval: 01-08-2018 19.Total ground coverage (m2) 32532 20.Ground-coverage Percentage (%) 34.04 (Note: Percentage of plot not open to sky) 21.Estimated cost of the project 455000000 22.Number of buildings & its configuration Serial **Building Name & number Number of floors** Height of the building (Mtrs) number

appropriet			Signature: Name: Dr. Umakant Gangetreo Dangat
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1		NA		NA		NA				
23.Num tenants	ber of and shops	NA	NA							
24.Num expecte users	ber of d residents /	NA	NA							
25.Tena per hec	ant density ctare NA									
26.Heig building	pht of the g(s)									
27.Righ (Width from th station propose	t of way of the road e nearest fire to the ed building(s)	way le road arest fire le tilding(s)								
28.Turn for easy fire ten moveme around excludin for the	rning radius sy access of ender ment from all 9 m d the building ding the width e plantation									
29.Exist structur	ting re (s) if any	It is existing industry ha 43,529 TPA)	s existing industry having production of 91,434 TPA (Product: 47,905 TPA and By-product: 529 TPA)							
30.Deta demolit disposa applical	Details of the nolition with posal (If plicable)									
		31.P	rodu	c <mark>tion Deta</mark>	ils					
Serial Number		Product		Existing (MT/M)	Proposed (MT/M)	Total (MT/M)				
1	P	hosphorus trichloride (PCl3)		833	1667	2500				
2	Thio	o Phosphoryl Chloride (PSCl3)		17	626	643				
3	Pho	sphorus Pentasulphide (P2S5)	X	1400	847.5	2247.5				
4	Diethyl/Dimeth	hyl Di Thiophosphoric Acid [DTA (	E)/(M)]	100	0	100				
5	Diethyl/Dimethy	yl Thiophosphoryl chloride [DETC	(E)/(M)]	1271	896	2167				
6	Dimethyl	Phophoro Amido Thioate (DMPA)	Г)	0	417	417				
7	2-1	Nitrobenzyl Bromide (NBBR)		0	42	42				
8	1-(4-Chlo	prophenyl)-1 H-pyrazol-3-01 (4 CP2	<u>(</u> )	0	42	42				
9	3-Methoxy-4-meth	iyi-1,2,4-triazolin-5-one (MMT Moi	nohydrate)	0	17	1/				
10	2-CIII0IO	Mothyl Imino Discotic Acid (NPM		100	0	100				
12	N,N Dimethy	Amino Thio Acetamide Hydrochl (DMATA.HCl),NI4	loride	8.3	0	8.3				
13	2-Methyl /	Ethyl Nromo Butyrate (M2BB/E2B	BB)	50	0	50				
14	Phenyl Hydrazine Phe	ydrazine / Phenyl Hydrazine Hydrochloride/4-chloro 0 83.3   90 83.3								
15	Ethyl 4 - r	- methyl - 5 thaizole carboxylate (TAZ) 0 1.25 1.25								
16	Ethy	l 2-chloro aceto acetate (E2CA)		0	1.7	1.7				
17	Ethyl-2-(4-hydroxyp	henyl)-4-methyl-1,3-thiazole-5-car	boxylate(T2)	0	4.2	4.2				
18	St	yrene phosphonic acid (SPA)		20	22	42				
19	Para	Ethoxy Ethyl Benzoate (PEEB)		30	0	30				
20	Para Is	o Propoxy Ethyl Benzoate (RELD)		0	20	20				
21	EXF	LAR - N (Melamine cyanurate)		8.4	0	8.4				
22	1,1,1, Tris	(4- Hydroxy Phenyl) Ethane (THP	PE)	0	0	5				
23	Flame Retardants-1 Triethy	l] Tricryl phosphate2] Triphenyl p l phosphate 4) Triethyl Phosphite	hosphate 3]	0	83.4	83.4				
24	EXCLAR-414 1,3	3:2,4-Bis(3,4-dimethylbenzylidene)	) sorbitol	6.5	0	6.25				

agent others			Signature:
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25	EXHALS-481 Bis (	2,2,6,6-1	Fetramethyl-	4-piperidinyl	) sebacate.		8.34		(	0		8.34	
26	Dimethy	l Bisphe	nol Cyclohex	ane (DMBPC	:)		10		(	0		10	
27	Amino Trimethylen Triamine Pentamet	e Phospl hylene F	honic Acid (A Phosphonic A	ATMP) and Sa cid (DTPMP/	alts /Diethyl A) and Salts		120		(	0		120	
28		Bu	taphosphan		,		0		1	.7		1.7	
29	R & D and Pilot P	lant for i	ntermediate	s, Pharmaceı	iticals and		5		ļ	5		10	
			Diugs	Tata		T							
		·	32	. I ota	i wate	er F	kequir	en	nen	τ			
		Sour	ce of wa	ter	MIDC supply								
		Fres	h water (	(CMD):	1505								
		Recy Flusl	cled wat hing (CM	er - ID):	0								
		Recy Gard	cled wat ening (C	er - CMD):	0								
		Swin make	nming po e up (Cu	ool m):	0							6	
Dry seas	on:	Tota Requ :	l Water lirement	(CMD)	1595								
		Fire Unde tank	fighting erground (CMD):	- l water	NA			6		5			
	Fire fighting - Overhead water tank(CMD):			NA									
		Exce	ss treate	ed water	608								
		Sour	ce of wa	ter	MIDC Sup	oply							
		Fres	h water (	(CMD):	1505		/						
	Recycled water - Flushing (CMD): Recycled water - Gardening (CMD):		0										
			cled wat ening (C	er - CMD):	0								
		Swin make	nming po e up (Cu	pol m):	0								
Wet seas	50 <b>n:</b>	Total Water Requirement (CMD) :			1595								
		Fire Unde tank	fighting erground (CMD):	- l water	NA								
	S	Fire Over tank	fighting head wa (CMD):	- ter	NA								
		Exce	ss treate	d water	608								
Details of pool (If a	of Swimming any)	NA											
			33.	Detail	s of Tot	al w	ater co	ns	ume	d			
Particul rs	a Cons	sumpt	ion (CM	D)		Loss	5 (CMD)				Eff	luent (CMD)	
Water Require ment	e Existing	Proposed		Total	Existing	J P	roposed	Т	otal	Existir	ıg	Proposed	Total
Domesti	c 75		0	75	0		0		0	75		0	75
Abhay Pi SEAC-I)	Abhay Pimparkar (Secretary SEAC Meeting No: 157th (A) Meeting Date: November 21, 2018   Page 47 of 80   Signature: Name: Dr. Umakant Dangat (Chairman SEAC-I)												

Gardening	30	(	0	30	30	0	30	0	0	0			
Industrial Process	370	38	80	750	70	70	140	300	310	610			
Cooling tower & thermopa ck	600	14	40	740	570	120	690	30	20	50			
		Level o water	of the ( table:	Ground	4 m								
	Size and no of RWH tank(s) and Quantity:		No. of RWH	tanks: 1 & Qu	antity: 100	) KL							
		Locati tank(s	on of t	he RWH	surface								
34 Rain V	Nator	Quant pits:	ity of r	echarge	NA								
Harvestin (RWH)	ng	Size of :	f recha	rge pits	NA								
(1111)		Budge (Capit	etary al al cost	location ) :	3.0 Lakhs			5					
		Budge (O & N	etary al ⁄I cost)	location :	Rs. 2250/mc	onth							
	Details of UGT tanks if any :		Total Under Ground Storage: 256 Kl are as follows Methanol : 16 kl Ethanol : 16 kl x 2 and 40 kl x 45 Toluene : 16 Kl x 2 Diesel : 16 Kl										
Natural water drainage pattern:			Available (already existing on site)										
35.Storm drainage	water	Quant water:	ity of s	torm	NA								
		Size of	f SWD:		NA								
		Sewag in KLI	je gene D:	ration	75								
		STP te	chnolo	ogy:	NA								
Sowago	and	Capac (CMD)	ity of S ):	TP	NA								
Waste w	and	Locati the ST	on & a	rea of	f NA								
		Budge (Capit	etary al al cost	location ):	NA								
		Budge (O & N	etary al A cost)	location :	NA								
			36	5.Soli	d waste	Manag	emen	t					
Waste gen the Pre Co	eration in	Waste	genera	ation:	During the construction phase, 8 kg/day of solid waste shall be generated from labor								
and Constr phase:	ruction	Disposal of the construction waste debris:			Waste shall be sent to the designated waste disposal site.								
Abhay Pimparkar (Secretary SEAC-I)					No: 157th (A) vember 21, 2(	Meeting Date )18	: Pag	ge 48 Dr. Un of 80 (Chair	re: Untakant Gangeteen nakant Dangat man SEAC-I)	e Dangat t			

		Dry waste	•	25 kg/day							
		Wet waste	):	56 kg/day							
Waste ge	neration	Hazardou	s waste:	20.3 Distilla Residue from waste water	20.3 Distillation Residue, 21.1 Process wastes, residue & sludge, Residue from filtration of Sulphur (B8), 34.3 Chemical Sludge from waste water treatment, 5.1						
Phase:	eration	Biomedica applicable	al waste (If e):	NA	NA						
		STP Sludg sludge):	je (Dry	NA							
		Others if	any:	Boiler Ash- 2100 TPA							
		Dry waste	•	Collected by private garbage collection agency and recycled at the Govt authorised plant							
		Wet waste	•	The waste will be sent to Organic Waste Convertor							
Mode of 1	Dienocal	Hazardou	s waste:	TSDF Site							
of waste:	Disposai	Biomedica applicable	al waste (If e):	NA							
		STP Sludg sludge):	je (Dry	NA				5			
		Others if	any:	To brick Ma	nufacture						
		Location(	5):	Surface		6					
Area requirem	ent:	Area for t of waste & material:	he storage a other	Hazardous v	Hazardous waste - 287 sq.mt , ETP operation - 4613 sq.mt						
		Area for n	nachinery:	22772.4 sq.1	22772.4 sq.mt						
Budgetary	allocation	Capital co	st:	36 Crore							
(Capital cost and O&M cost): 0 & M cos			st:	2.5 Cr/Annu	m						
37 Effluent Characterestics											
Sorial Inlet Eff						01		nt F	ffluent discharge		
Number	Paran	neters	Unit	Charecte	erestics	Ch	arecteresti	cs s	tandards (MPCB)		
1	р	H	Hazen	2.	0		6.0-7.0		5.5-9.0		
2	Col	our		colou	rless		colourless		colourless		
3	TI	DS	mg/l	12000-	12000-14000				< 2100		
4	TS	SS	mg/l	100 -	100 - 200				< 100		
5	CC	DD	mg/l	8000-1	8000-10000				< 250		
6	BC	DD	mg/l	5000 - 7000 25 <30							
Amount of e (CMD):	effluent gene	eration	640 KLD								
Capacity of	the ETP:		ETP-650 KI	LD & MEE- 100 KLD							
Amount of t recycled :	reated efflue	ent	90 KLD								
Amount of v	vater send to	o the CETP:	608 KLD								
Membershij	p of CETP (if	require):	Yes								
Note on ET	P technology	v to be used	Raw Efflue: facility com	nt Collection/ prising of Au	Equalizati to neutrali	on We ha ization, H	ave a fully op Equalization	perative e tanks, Se	effluent treatment condary and		
Disposal of	the ETP sluc	lge	TSDF site								
			38.Ha	azardous	Waste	Detail	s				
Serial Number	Des	cription		Cat	UOM	Existing	g Proposed	Total	Method of Disposal		
Abhay Pimp SEAC-I)	orthese Secret	No: 157th (A) vember 21, 20	Meeting 1 )18	Date:	Page 49 of 80	Signature: Name: Dr Dr. Uma (Chairm	Umakant Gaugeazeo Dangat kant Dangat an SEAC-I)				

1	Distillation residue of M2BB/ Product	E2BB	20.3 Distillation Residue	MT/A	24	0	24	TSDF site	
2	Distillation Bottom from R&D plant Products	, Pilot	20.3 Distillation Residue	MT/A	20	20	40	TSDF site	
3	Distillation Bottom of THPE p	roduct	20.3 Distillation Residue	MT/A	1.75	0	1.75	TSDF site	
4	Distillation Bottom of SPA pr	oduct	20.3 Distillation Residue	MT/A	5.4	5.4	10.8	TSDF site	
5	Distillation Bottom of PEEB p	roduct	20.3 Distillation Residue	MT/A	5	0	5	TSDF site	
6	Distillation Bottom of RELD p	roduct	20.3 Distillation Residue	MT/A	0	8	8	TSDF site	
7	Distillation Bottom of DETC p	roduct	20.3 Distillation Residue	MT/A	229	161	390	TSDF site	
8	Distillation Bottom of DMTC p	oroduct	20.3 Distillation Residue	MT/A	0	5	5	TSDF site	
9	Distillation Bottom of Phenyl H	ydrazin	20.3 Distillation Residue	MT/A	0	100	100	TSDF site	
10	Disttilation Residue of Butaph product	iospan	20.3 Distillation Residue	MT/A	0	16	16	TSDF site	
11	Disttilation bottom of DMBPC ]	product	20.3 Distillation Residue	MT/A	0	3.6	3.6	TSDF site	
12	Disttilation bottom of TAZ pr	oduct	20.3 Distillation Residue	MT/A	0	0.5	0.5	TSDF site	
13	Distillation Bottom of DMATA	A.HCI	20.3 Distillation Residue	MT/A	31	0	31	TSDF site	
14	Disttlation bottom of Ni4 pro	oduct	20.3 Distillation Residue	MT/A	0	10	10	TSDF site	
15	Sludge Arising from P4		21.1 Process wastes, residue & sludge	MT/A	0	9.56	9.56	TSDF site	
16	Salt from Ni4 Product		21.1 Process wastes, residue & sludge	MT/A	0	234	234	TSDF site	
17	Residue from filtration of Su	lphur	Residue from filtration of Sulphur (B8)	MT/A	100	50	150	TSDF site	
18	Charcoal Residue	Charcoal Residue		MT/A	2.1	0	2.1	TSDF site	
19	Sludge arising from treatment of high COD waste streams form DETC Process		34.3 Chemical Sludge from waste water treatment	MT/A	7500	9375	16875	TSDF site	
20	Sludge arising from treatment COD waste streams form DM Process	of high ⁄IPAT	34.3 Chemical Sludge from waste water treatment	MT/A	0	500	500	TSDF site	
21	Sludge arising from second treatment of waste wate	lary r	34.3 Chemical Sludge from waste water treatment	MT/A	800	0	800	TSDF site	
22	Spent Lubricating agent syste	em oils	5.1 Used or spent oil 5.2 wastes or residues containing oil	MT/A	5	5	5	TSDF site	
23	Discarded containers/barrels/liners/Conta hazardous chemicals and haza waste	iners of ardous	33.3 Empty barrels/containers/lin ers contaminated with hazardous chemicals/wastes	no/yr	1000	0	1000	TSDF site	
24	Residue containing iron sulfide and carbon from product disti	e, silica llation.	B4 Residue containing iron sulfide, silica and carbon from product distillation	MT/A	30	0	30	TSDF site	
		Ę	<b>39.Stacks em</b>	ission D	etails				
Serial Number	Section & units	F	Fuel Used with Quantity Stack No. He from group level			ht Intern nd (m)	rnal leter 1)	Гетр. of Exhaust Gases	
Abhay Pir SEAC-I)	Abhay Pimparkar (Secretary SEAC Meeting No: 157th (A) Meeting Date: November 21, 2018 Page 50 of 80 SEAC II								

1	Boiler 12TPH	Coal- 24 TPH	S1	42	1.18	415 Kelvin	
2	Boiler 6TPH	Coal	S1	42	1.18	415 Kelvin	
3	Boiler 12TPH	Coal- 25 TPH	S1	42	1.18	415 Kelvin	
4	Generator- 1010 KVA	HSD- 4 T/day	S10	4.5	0.304	388 Kelvin	
5	Generator- 750 KVA	HSD- 2 T/day	S9	3.5	0.203	396	
6	Generator- 380 KVA	HSD- 1.5 T/day	PS-1 (A)	3.5	0.203	485 Kelvin	
7	PCL3	NA	S2	18	0.05	307 Kelvin	
8	DETC – I	NA	S3	6	0.05	307 Kelvin	
9	DETC – II	NA	S5	6	0.05	307 Kelvin	
10	DETC – I	NA	S4	6	0.15	305 Kelvin	
11	DETC – II	NA	S6	6	0.15	309 Kelvin	
12	NPMIDA	NA	S7 (A)	18	0.15		
13	NPMIDA	NA	S7 (B)	22	0.07	· ·	
14	NPMIDA	NA	S7 (C)	8	0.15	-	
15	SPA	NA	S8	6	0.05	308 Kelvin	
16	Pilot Plant	NA	S11	6	0.05	309 Kelvin	
17	Pilot Plant	NA	S12	6	0.05	307 Kelvin	
18	ATMP	NA	ATMP	6	0.05	-	
19	Oil hearing unit	Furnace Oil - 1 T/day	S14	16	0.25	452 Kelvin	
20	P2S5 (P2) Plant	Furnace Oil - 1 T/day	PS2	16	0.20	327 Kelvin	
21	P2S5 (P2) Plant	NA	PS3	10	0.20	305 Kelvin	
22	P2S5 (P3) Plant	Furnace Oil - 1.05 T/day	PS3	16	0.20	312 Kelvin	
23	P2S5 (P3) Plant	NA	PS5	10	0.20	307 Kelvin	
24	DMPAT	NA	S15	6	0.05	-	
25	MPP	NA	S16	6	0.002	-	
26	MPP	NA	S17	6	0.002	-	
		40.Details of	Fuel to <b>k</b>	e used			
Serial Number	Type of Fuel	Existing		Proposed		Total	
1	Coal	29 T/day		20 T/day		49 T/day	
2	HSD	7.5 T/day		0		7.5 T/day	
3	Furnace Oil	3.05 T/day		0.95 T/day		4 T/day	
41.Source of Fuel Coal - Imported from Indonesia (Mine) , HSD/Furnace Oil - from Refinery							
42.Mode of	Transportation of fuel to	site Road transport					
		•					



		Total RG a	rea :	31555 sq.m	t						
		No of trees	s to be cut	0							
43.Gree	n Belt	Number of be planted	f trees to	155	155						
Develop	ment	List of pro native tree	posed es :	Date Palm, Mango, We shot, Raatra	Date Palm, White frangipani, False Ashoka, Coconut, Indian-almond, Mango, Weeping fig, Gulmohar tree, Dracaena, Ixora, Ashoka, Indian shot, Raatrani						
	Timeline fo completion plantation		or n of :	3 years							
	<b>44.Nu</b>	mber and	l list of t	rees spe	cies to be plante	d in the ground					
Serial Number	Name of	the plant	Commo	n Name	Quantity	Characteristics & ecological importance					
1	Phoenix Dactylifera		Date Palm		11	Cultivated primarily for fruit eaten fresh or dried, being a high energy food of high sugar content, as well as a good source of iron and potassium also have medicinal properties.					
2	Plume	ria alba	White fr	angipani	6	Root bark, flower and seed used in medicine.					
3	Polyalthia	longifolia	False A	Ashoka	30	Used for making barrels					
4	Cocos nucifera		Coconut		8	Cultivated primarily for fruit eaten fresh or dried, used in cosmetics and also have medicinal properties.					
5	Terminalia catappa Ind		Indian-	almond	18	Raw seed eaten fresh or roasted and rest Bark, leaves and fruits used in medicine					
6	Mangife	ra indica	Ma	ngo	2	Cultivated primarily for fruit eaten fresh and rest Bark, leaves have medicinal properties.					
7	Ficus be	enjamina	Weepi	ing fig	14	An ornamental plant also used for air cleaning.					
8	Deloni	x regia	Gulmoł	nar tree	5	Gulmohar is an ornament plant in all over world and parts are used as a traditional medicine					
9	Dracaena	marginata	Drac	aena	10	Dracaena is an ornament plant in all over world					
10	Ixora cl	hinensis	Ixo	ora	12	Used as an ornamental hedge and parts are used as a medicine					
11	Saraca	indica	Ash	oka	15	Root bark, flower and seed used in medicine.					
12	Canna	indica	India	n shot	5	Canna indica is an ornament plant in all part of the world					
13	Cestrum 1	nocturnum	Raat	rani	5	Used as an ornamental hedge and parts are used as a medicine					
14	Cycas i	revoluta	Sago	palm	8	Leaves and seed used in medicine.					
15	Tabernae divar	emontana ricata	Crape j	asmine	6	It is used as a traditional medicine					
45	5.Total qua	ntity of plan	its on groui	nd							
46.Num	ber and	list of sl	rubs an	d bushes	species to be pl	anted in the podium RG:					

Abhay Pimparkar (Secretary SEAC-I)

Serial Number		Name		C/C Distance		Area m2			
1		NA		NA		NA			
	47.Energy								
	Source of power supply :			MSEDCL (Maharashtra State Electricity Distribution Company Limited)					
		During Construction Phase: (Demand Load)		25 KVA	25 KVA				
		DG set as Power back-up during construction phase		3 Nos. of DG Set ha	3 Nos. of DG Set having Capacity 380 KVA, 750 KVA & 1010 KVA				
Dog	NOT	During Operation phase (Connecter load):	on ed	6866 KVA		69			
require	ement:	During Operation phase (Demand load):	on	3950 KVA					
		Transformer:		3 MVA each, 22 KV	Inpu	it and 3 Phase 440 V output			
		DG set as Power back-up during operation phase	:	3 Nos. of DG Set having Capacity 1010 KVA, 750 KVA & 380 KVA					
		Fuel used:		Diesel					
		Details of high tension line pas through the plo any:	sing t if	None	5	3			
		48.Energy	savi	ng by non-con	ven	ntional method:			
Use of LED Energy Pun	lamps in pla 1ps.	ace of conventional	Merc	ury Vapour lamps, In	nstall	ation of energy efficient Motors, Installation of			
		49.De	tail	calculations &	z %	of saving:			
Serial Number	E	nergy Conservati	on M	easures	Saving %				
1	Electricit	y consumption of li	ghting	J is reduced by 5 100 KW to 50 KW					
		<b>50</b> .Det	ails	of pollution co	ontr	rol Systems			
Source	Ex	isting pollution o	ontro	l system		Proposed to be installed			
Air pollution from coal boiler	Chimney (cyclone type dust collector)					Chimney (cyclone type dust collector)			
Air pollution from DG sets		Stacks has beer	n provi	ded		-			
Air pollution from flue gases from process	Commo	on Scrubbers, Pack	ed Col	umn Scrubber	С	ommon Scrubbers, Packed Column Scrubber			



Waste water stream		ET	P & MEE				ETP & MEE				
Noise from Machinery area, canteen etc		E	armuffs				Earmuffs				
Budgetary (Capital	allocation cost and	Capital cos	st:	LED Lamps - 22.0 Lakhs, Energy Efficient Motors - 10 Lakhs, Energy Efficient Pumps- 25 Lakhs (2018-2019)							khs, Energy
		O & M cost	t:	5 Lakh				,		. 11	
51	51.Environmental Management plan Budgetary Allocation										
		a)	Construc	ction ]	pha	se (v	vith Brea	ak-u	p):		2
Serial Number	Attri	butes	Parar	neter			Total (	Cost po	er annu	m (Rs. In I	.acs)
1	Air and Noise pollution control system								3 Lakh		
b) Operation Phase (with Break-up):											
Serial Number	Comp	onent	Description			Cap	ital cost Rs Lacs	. In	Operat C	tional and ost (Rs. in	Maintenance Lacs/yr)
1	Plant and M APO	Machinery ( CM)	APCS and monitoring				30	/		240	
2	Solid Manag	Waste Jement	Filter press De-wa	s for slue tering	dge		100			0.6	
3	Waste Manag	Water Jement	ETP ar	nd MEE		À.	1500			223	
4	Landscapin	g/Plantation	Plant	tation			50 8				
51.S	torage	of che	micals	(infl sub	an sta	nabl Ince	e/explo es)	osiv	e/haz	zardou	s/toxic
Descri	Description Status		Location	n	Sto Car in	orage oacity MT	Maximum Quantity of Storage at any point of time in MT	Consu / Mo N	ımption nth in MT	Source of Supply	Means of transportation
NA		NA	NA		1	NA	NA	1	NA	NA	NA
	5		52.A	ny Ot	her	Info	rmation	l			
No Informa	tion Availabl	e		-	-	-					
			53.	I'raffi	сM	lana	gement				
	Nos. of the junction to the main road & design of confluence:										

age of the set			Signature:
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	Numl baser	ber and area of nent:	NA						
	Numl podia	ber and area of 1:	NA						
	Total	Parking area:	11573 sq.mt						
	Area	per car:	7.5 sq.mt						
	Area	per car:	7.5 sq.mt						
Parking details:	Num Whee appro comp autho	ber of 2- elers as oved by oetent ority:	NA						
	Num Whee appro comp autho	ber of 4- elers as oved by oetent ority:	NA						
	Publi	c Transport:	NA						
	Widtl roads	h of all Internal 5 (m):	9						
	CRZ/ obtai	RRZ clearance n, if any:	NA						
	Dista Prote Critic areas areas boun	nce from ected Areas / cally Polluted s / Eco-sensitive s/ inter-State daries	NA						
	Categ sched Notif	jory as per lule of EIA ication sheet	NA						
	Court if any	t cases pending	NO COURT CASE						
	Other Infor	r Relevant mations	NA						
	Have subm Appli on M	you previously hitted cation online OEF Website.	Yes						
	Date subm	of online iission	08-05-2018						
SEAC	DIS	<b>CUSSION</b>	<b>ON ENVIRONM</b>	<b>IENTAL</b>	ASPECTS				
Environmental Impacts of the project	Not A	pplicable							
Water Budget	Not A	pplicable							
Waste Water Treatment	Not A	pplicable							
Drainage pattern of the project	Not Applicable								
Ground water parameters	Not Applicable								
Solid Waste Management	Not A	pplicable							
Abhay Pimparkar (Secretary SEAC-I)			No: 157th (A) Meeting Date: vember 21, 2018	Page 55 of 80	Signature: Name: Dr. Umakant Gangeareo Dangat Dr. Umakant Dangat (Chairman SEAC-I)				

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

## Brief information of the project by SEAC

PP has obtained ToR from MOEF&CC vide letter No. IA-J-11011/86/2018 dated 23.04.2018 for their proposed project at Plot No. 11, 20/1, OS-2 MIDC Area, Dhatav, Roha, Dist. Raigad.

# DECISION OF SEAC



During deliberations it was observed that the Dhatav(ct) is included in the list of ecosensitive villages published in the draft Notification issued by MoEF&CC 3rd October, 2018.

Ministry of Environment and Forest, New Delhi has issued Directions under Section 5 of the Environment (Protection ) Act, 1986 dated 13.11.2013 and Office Memorandum dated 20.12.2013 regarding prohibition of activities in the area identified as Ecologically Sensitive Area (ESA) under the High Level Working Group (HLWG) formulated for Western Ghat by Ministry of Environment, Forest and Climate Change, Government of India, New Delh.

The direction states as below,

"The following category of new and/or expansion projects/activities shall be prohibited in the Ecologically Sensitive Area (ESA) from date of issue of these directions (that is from 13.11.2013) except those cases which have been received by EAC/MoEF or SEAC/SEIAA before the date of putting HLWG report on the web site of the Ministry that is 14.04.2013 and which are pending with EAC/MoEF or SEAC/SEIAA. Such projects will be dealt under the guidelines and rules applicable at the time of application before the respective EAC/MoEF, SEAC/SEIAA. Apart from such cases, no pending case or any fresh case shall be considered by the EAC/MoEF or SEAC/SEIAA as from the date of issue of these directions."

1. Mining, quarrying and sand mining.

2. Thermal Power Plants.

3. Building and Constrcution projects of 20000 Sq.m. area and above.

4. Township and area development projects with an area of 50 ha and above an d/or with built up area of 150000 Sq.m and above.

5. Red Category of Industries

The proposal under reference falls at Sr. No. 5 above

SEAC is of the opinion that, proposed expansion of industry is prohibited in Ecosensitive Area as mentioned above.

However MoEF&CC vide their EDS dated 20.05.2018 & 29.06.2018 have communicated to the PP as under respectively,

"Appicability of general condition needs to be justified with supporting docuemnts (Final Notification of Western Gahts declaring the same as ESZ/ESA) for considering the proposal at central level."

"The project/activity is covered under category "B" of item 5(f) of the schedule to the EIA Notification, 2006, which is th ejurisdiction of SEAC/SEIAA. Please submit your proposal accordingly."

In this proposal under reference ToR is granted by EAC, MoEF&CC and directed the PP to approach to the SEIAA as proposed project falls under category "B".

In view of above circumstances, SEAC decided to refer the proposal to the SEIAA for guidance on follwing point,

Whether proposal under reference may be apprasied as category "B" as per EIA Notification, 2006.

Specific Conditions by SEAC:



# FINAL RECOMMENDATION

Kindly find SEAC decision above.

SHACHERINA



### 157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

### SEAC Meeting number: 157th (A) Meeting Date November 21, 2018

**Subject:** Environment Clearance for Environment Clearance for DG set installation of - Existing capacity 1.6 MW x 2, 1.2 MW X 1, Proposed Capacity 1.8 MW x 3 and Total capacity of (Existing 4.4 MW + Proposed 5.4 MW) DG Set = 9.8 MW **Is a Violation Case:** No

1.Name of Project	Sterlite Technologies Ltd.						
2.Type of institution	Private						
3.Name of Project Proponent	Sterlite Technologies Ltd.						
4.Name of Consultant	Pollution and Ecology Control Services						
5.Type of project	Industrial Project						
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project						
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable						
8.Location of the project	AL-23						
9.Taluka	Shendre						
10.Village	Shendra MIDC						
Correspondence Name:	Sterlite Technologies Ltd , MIDC Shendra, Aurangabad. Maharashtra-India						
Room Number:	Plot No AL 23						
Floor:	-						
Building Name:							
Road/Street Name:	Shendre MIDC Road						
Locality:	MIDC Shendre						
City:	Aurangabad						
11.Area of the project	MIDC Area						
12.IOD/IOA/Concession/Plan	Possession receipt By Maharashtra Industrial Development Corporation (MIDC) Dated -26/05/2010						
Approval Number	IOD/IOA/Concession/Plan Approval Number: Not Applicable						
	Approved Built-up Area: 00						
13.Note on the initiated work (If applicable)	Not Applicable						
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Consent to Operate by MPCB, Via Consent Order no: Formate 1.0/130/CAC-Cell/UAN No-0000005031/3rd CAC/1704000080 dated-03/04/2017						
15.Total Plot Area (sq. m.)	60,000 Sqm (as per Possession receipt of MIDC)						
16.Deductions	Open space: 22000 Sq m (As per MPCB Consent)						
17.Net Plot area	38000 Sqm						
	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.): 00						
	Approved FSI area (sq. m.): Not applicable						
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): Not applicable						
	Date of Approval: 26-05-2010						
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	8800000						

# 22.Number of buildings & its configuration



	Signature:
	Name: Dr. Umakant Gangetreo Dangat
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Serial number	Buildin	g Name & 1	number	Nu	mber of floors	Height of the building (Mtrs)			
1	She	d for DG Set	t (1)		1	10 mtr.			
2	She	d for DG Set	t (1)		1	10 mtr.			
23.Number tenants an	r of d shops	Not Applica	ible						
24.Number expected r users	r of esidents /	About 150-200 no. users including worker & staff.							
25.Tenant per hectar	density e	Not applicable							
26.Height building(s)	of the								
27.Right o (Width of t from the n station to t proposed h	f way the road earest fire the puilding(s)	15 m appro	5 m approach road hum SH (20 m. Wide)						
28.Turning for easy ac fire tender movement around the excluding for the pla	y radius cess of from all building the width ntation	Road width -9 mt Turning radius-12 mt							
29.Existing structure (	J (s) if any	Existing ind	lustrial Shed	and office b	uilding is 16450 Sq.m.				
30.Details demolition disposal (I applicable)	of the with f	Not applicable							
			31.	roduct	ion Details				
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)			
1	DG Set in	stallation	1.6 MW x 2 1 = 4.	, 1.2 MW x 4 MW	1.8 MW x 3 = 5.4 MW	9.8 MW			
32.Total Water Requirement									
	S								



		Source of wa	ter	MiDC							
		Fresh water	(CMD):	5							
		Recycled wat Flushing (CM	er - 1D):	4	4						
		Recycled wat Gardening (C	er - CMD):	5	5						
		Swimming po make up (Cu	ool m):	Not Applical	ble						
Dry seasor	1:	Total Water Requirement :	: (CMD)	Not Applical	ble						
		Fire fighting Underground tank(CMD):	- I water	Not Applical	ble			0			
		Fire fighting Overhead wa tank(CMD):	ter	Not Applical	ble			6			
		Excess treate	ed water	Not Applical	ble						
		Source of wa	ter	MIDC							
		Fresh water	sh water (CMD): 5								
		Recycled wat Flushing (CM	er - 1D):	4							
		Recycled wat Gardening (C	er - CMD):	0							
		Swimming po make up (Cu	ool m):	Not Applical	ble						
Wet seaso	n:	Total Water Requirement (CMD) :		Not Applical	ble						
		Fire fighting Underground tank(CMD):	- I water	Not Applicable							
		Fire fighting Overhead wa tank(CMD):	ter	Not Applicable							
		Excess treate	d water	Not Applicable							
Details of pool (If an	Swimming y)	NA									
		33.	.Detail	s of Tota	l water co	nsume	dl				
Particula rs	Cons	sumption (CM	D)	Ι	Loss (CMD)		Eff	luent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic	0	9	9	0	1.8	1.8	0	7.2	7.2		
Gardening	0	5	5	0	5	5	0	0	0		

	Level of the Ground water table:	Pre monsoon : 5.0-8 m bgl Post monsoon : 3.0-5.0 m bgl					
	Size and no of RWH tank(s) and Quantity:	Not Proposed					
	Location of the RWH tank(s):	Not Applicable					
34.Rain Water Harvesting	Quantity of recharge pits:	Will be elaborate in EIA Report					
(RWH)	Size of recharge pits :	Will be elaborate in EIA Report					
	Budgetary allocation (Capital cost) :	Will be elaborate in EIA Report					
	Budgetary allocation (O & M cost) :	Will be elaborate in EIA Report					
	Details of UGT tanks if any :	Will be elaborate In EIA Report					
	_						
35 Storm water	Natural water drainage pattern:	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits					
drainage	Quantity of storm water:	Will be elaborate in EIA Report					
	Size of SWD:	Will be elaborate in EIA Report					
	Sewage generation in KLD:	NA					
	STP technology:	NA					
Sewage and	Capacity of STP (CMD):	NA					
Waste water	Location & area of the STP:	NA					
	Budgetary allocation (Capital cost):	NA					
	Budgetary allocation (O & M cost):	NA					
	36.Soli	d waste Management					
Waste generation in	Waste generation:	Not Applicable					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Not Applicable					
	Dry waste:	Not Applicable					
	Wet waste:	Not Applicable					
Waste generation	Hazardous waste:	Used Oil: 7000 It/Year					
in the operation Phase:	Biomedical waste (If applicable):	Not Applicable					
	STP Sludge (Dry sludge):	Not Applicable					
	Others if any:	Not Applicable					



		Dry waste:		NA							
		Wet waste:		NA							
Mode of Disposal		Hazardous	waste:	Used oil will be handover to Maharashtra Enviro Power Ltd (MEPL) for Treatment Storage and Disposal.							
of waste:	Disposai	Biomedica applicable	l waste (If ):	NA	NA						
		STP Sludg sludge):	e (Dry	NA							
		Others if a	ny:	NA							
		Location(s	):	Near Sub s	tation area: 1	DG Set instal	llation				
Area requirem	ent:	Area for th of waste & material:	e storage other	Near Gas re	Jear Gas room						
		Area for m	achinery:	NA							
Budgetary	allocation	Capital cos	st:	NA							
O&M cost)	:	0 & M cos	t:	NA							
			37.Ef	fluent C	harecter	estics					
Serial Number	Paran	Parameters Unit		Inlet E Charect	ffluent cerestics	Outlet I Charect	Effluent cerestics	Effluent discharge standards (MPCB)			
1	N	A	NA	N	IA	NA		NA			
Amount of effluent generation NA											
Capacity of the ETP: NA											
Amount of treated effluent MA											
Amount of water send to the CETP: NA											
Membershij	p of CETP (if	require):	NA	$\langle \mathbf{V}$							
Note on ET	P technology	to be used	NA								
Disposal of	the ETP sluc	lge	NA	>							
			<b>38.H</b> a	zardous	Waste D	etails					
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal			
1	Used Oil		5.1	Ltr/year	3143	3857	7000	Used oil will be handover to Maharashtra Enviro Power Ltd (MEPL) for Treatment, Storage and Disposal.			
	2		<b>39.S</b> t	acks em	ission D	etails					
Serial Number	Section	& units	Fuel Us Qua	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases			
1	DG SET (2	2250 KVA)	Diesel, 26	10.6 ltr/day	Stack 1	30	0.450	475 degree C			
2	DG SET (2	2250 KVA)	Diesel, 26	10.6 ltr/day	Stack 1	30	0.450	475 degree C			
3	DG SET (2	2250 KVA)	Diesel, 26	10.6 ltr/day	Stack 1	30	0.450	475 degree C			
40.Details of Fuel to be used											

Serial Number	Typ	oe of Fuel		Existing		Proposed		Total	
1		Diesel		6380 ltr/day 7832 ltr/day 14212 ltr/day			14212 ltr/day		
41.Source of	of Fuel		Diese	el Authorized	Distribut	tor			
42.Mode of Transportation of fuel to site Tanker/Barrel									
		Total RG area	<b>i</b> :	20210 Sq.m.					
		No of trees to :	be cut	cut None					
43.Gree	n Belt	Number of tr be planted :	ees to	to 1721 Tree planted in existing premises and 300 trees to be planted					
Develop	ment	List of proponative trees :	sed	Neem, Nandrulk , Sita Ashok, Shirish , Royal Palm, Palas, Maharukh, Laxmi Taru					
		Timeline for completion of plantation :		NA				10-	
44.Number and list of trees species to be planted in the ground									
Serial Number	al Name of the plant Com			n Name	Q	uantity	Cha	racteristics & ecological importance	
1	Azadirac	hta indica	Ne	Neem		30		Medicinal Value	
2	Ficus mi	crocarpa	Nan	Nandruk		50		Medicinal Value	
3	Saraca	a asoca	Sita A	Ashok		50		Beautification	
4	Royston	lea regia	Royal	Palm		50		Beautification	
5	Albizzi	alebek	Shl	rish		20		Large Tree	
6	Buteamor	no sperma	Pa	las		50		Beautification	
7	Simarou	baglauca	Laxm	llTaru		30		Medicinal Value	
8	Allathus	s excelsa	Maha	arukh		20		Medicinal Value	
45	.Total qua	ntity of plants	on grou	nd					
46.Nun	nber and	list of shr	ubs an	d bushes	speci	es to be pla	nted	l in the podium RG:	
Serial Number		Name		C/C Distar	nce			Area m2	
1		NA		NA				NA	
	47.Energy								



		Source of p supply :	power	State Electr	ricity B	oard			
		During Co Phase: (De Load)	nstruction emand	NA					
		DG set as back-up du construction	Power 1ring on phase	NA					
Dee		During Op phase (Cor load):	eration nnected	NA					
require	ement:	During Op phase (Der load):	eration mand	NA	NA				
		Transform	er:	NA					
		DG set as back-up du	Power ıring phase:	Existing 200 Set 2500 KV	Existing 2000 KVA (1.6 MW) x 2, 1500 KVA (1.2 MW) x 1, Proposed Set 2500 KVA (1.8 MW) x 3				
		Fuel used:		Diesel					
		Details of i tension lin through th any:	high le passing le plot if	NA					
48.Energy saving by non-conventional method:							ethod:		
NA									
49.Detail calculations & % of saving:							g:		
Serial Number	Energy Conservation Me			easures	easures Saving %				
1	NA				NA				
	-	50	.Details	of polluti	ion c	ontrol Syste	ms		
Source	Ex	isting pollu	tion contro	l system		Pro	posed to be installed		
DG Set			Stacks	Stacks					
Budgetary	allocation	Capital co	st:	NA					
(Capital O&M	cost and cost):	O & M cos	t;	NA					
51	.Envir	onment	tal Mar	nageme	ent j	olan Budg	etary Allocation		
		a)	Construe	ction pha	se (	with Break-u	<b>p</b> ):		
Serial Number	Attri	butes	Parai	neter		Total Cost p	per annum (Rs. In Lacs)		
1	Air Envi	ronment	Air & monit	Noise coring			3.0		
		b	) Operat	ion Phas	e (wi	th Break-up	):		
Serial Number	Comp	onent	Descr	iption	Сар	ital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)		
1	Enviror Moni	nmental toring	Ambient A Noise Leve from D	air quality, el, Exhaust OG Set.			6.0		
2	Wa	iter	RV	VH		6	0.20		
3	Land Env	vironment	Gard	ening		10	1.5		
							1		

		Signature,
		Name: Dr. Umakant Gangetrao Dangat
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51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)											
Description	Status	Location		Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation			
Diesel	NA	Near Gas room		-	-		Diesel Authorized Distributor	Tanker/ Barrel			
		52.A	ny Ot	her Info	rmation	L	0				
No Information Availab	le							9			
		53.	Traffi	ic Manag	gement						
	Nos. of the junction to the main road & design of confluence:			s approache Aurangabad	d through 1 Highway	.5 m. wide tar N	MIDC Road	connected to			
	Number basemer	r and area of nt:	NA								
	Number podia:	Number and area of podia:		NA							
	Total Pa	Total Parking area:		NA							
	Area pe	r car:	NA								
	Area pe	r car:	NA								
Parking details:	Number of 2- Wheelers as approved by competent authority:		NA								
	Number of 4- Wheelers as approved by competent authority:		NA								
	Public T	Transport:	NA								
	Width o roads (n	Width of all Internal roads (m):		Width of all internal roads (m) - 6 mtr							
CV	CRZ/ RRZ clearance obtain, if any:		NA								
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries		NA								
	Categor schedul Notifica	y as per e of EIA tion sheet	Category B as per schedule 1(d)								
	Court ca if any	ases pending	NA								

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	Other Relevant Informations	Application for ToR		
	Have you previously submitted Application online on MOEF Website.	No		
	Date of online submission	-		
SEAC	DISCUSSION	<b>ON ENVIRONMENTAL ASPECTS</b>		
Environmental Impacts of the project	Not Applicable			
Water Budget	Not Applicable			
Waste Water Treatment	Not Applicable	63		
Drainage pattern of the project	Not Applicable			
Ground water parameters	Not Applicable			
Solid Waste Management	Not Applicable			
Air Quality & Noise Level issues	Not Applicable			
<b>Energy Management</b>	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				
5				

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PP submitted their application for the grant of TOR under category 1(d)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015. PP proposes to install 2500 KVA D G Sets for back up.

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**

Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

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

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

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

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

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

1) PP to submit layout plan showing roads, storm water drains and contour on the plot. PP also to submit storm water drain calculations.

2) PP to submit design details of air pollution control equipment provided to the proposed DG sets including acoustic enclosure.

3) PP to include calculations for the power generation efficiency in the EIA report.

4) PP to include details of electrical safety in the EIA report and submit disaster management plan.

**5)** PP to obtain necessary approvals, licenses for on site storage of diesel.

6) PP to submit building drawings along with cross sections proposed for the DG set installation.

# 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.

age of the ser			Signature: Name: Dr. Umakant Gangetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 157th (A) Meeting Date:	Page 68	Dr. Umakant Dangat
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### 157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

### SEAC Meeting number: 157th (A) Meeting Date November 21, 2018

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

### Is a Violation Case: No

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

agenoranses			Signature: Name: Dr. Umakant Gaugetrao Dangat
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22.Number of buildings & its configuration								
Serial number	Building Name & number			Nu	mber of floors	Height of the building (Mtrs)		
1		NA			NA	NA		
2		NA			NA	NA		
23.Number tenants an	r of d shops	NA						
24.Number expected rusers	r of esidents /	NA						
25.Tenant per hectar	<b>density</b> e	NA						
26.Height building(s)	of the							
27.Right o (Width of t from the n station to t proposed h	f way the road earest fire the ouilding(s)	Nearest Fire Station is Birsi Airport Fire Station. It is about 31 km away from the Project Site towards NE. Width of the Road from the nearest Fire Station to the Project Site is 6.0 Mtr.						
28.Turning for easy ac fire tender movement around the excluding for the pla	y radius cess of from all building the width ntation	Minimum 7.5 meter width of turning radius has been kept for proper movement of vehicles						
29.Existing structure (	Existing acture (s) if any There is no Existing Structure.							
30.Details demolition disposal (I applicable)	80.Details of the lemolition with lisposal (If applicable)							
			31.P	roduct	ion Details			
Serial Number	Serial NumberProductExisting (MT/M)Proposed (MT/M)Total (MT/M)					Total (MT/M)		
1 NA NA NA NA								
32.Total Water Requirement								
S								

aggeoratest			Signature:
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		Source of wa	ter	Pandhari Gr	am Panchayat					
Fresh water (CMD):		11								
Recycled water - Flushing (CMD):		00								
Recycled water - Gardening (CMD):		00								
		Swimming po make up (Cu	ool m):	00						
Dry season: Requirement (CMD)		20								
Fire fighting - Underground water tank(CMD):		20	20							
Fire fighting - Overhead water tank(CMD):			00				6			
		Excess treate	d water	00						
		Source of wa	ter	Pandhari Gr	am Panchayat					
		Fresh water	(CMD):	2						
Recycled water - Flushing (CMD):		er - ID):	00							
Recycled water - Gardening (CMD):		00								
Swimming pool make up (Cum):			00							
Wet seaso	/et season: Total Water Requirement (CMD) 11 :									
Fire fighting - Underground water tank(CMD):			20							
		Fire fighting Overhead wa tank(CMD):	ter	00						
		Excess treate	d water	00						
Details of pool (If an	Swimming y)	NA								
		33.	Detail	s of Tota	water co	nsume	dl			
Particula rs	Cons	umption (CM	D)	Loss (CMD) Effluent (C			fluent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Industrial Process	0	7	7	0	0	0	0	7	7	
Domestic	0	2	2	0	0.2	0.2	0	1.8	1.8	
Gardening	0	9	9	0	9	9	0	0	0	

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

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



Serial Number	Parameters	Unit	Inlet E Charect	Effluent terestics		Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)
1	pH	-	4 to 6			6.5 t	o 8.5	5.5 to 9.0
2	TSS	mg/litre	300 t	to 600		50 to	0 100	<100
3	BOD	mg/litre	250 t	to 400		20-	-30	<100
4	0 & G	mg/litre	litre 20 to 30			5 to	o 10	<10
5	COD	mg/litre	mg/litre 750 to 1000			200 t	o 250	<250
Amount of e (CMD):	effluent generation	9.0 CMD	·					
Capacity of	the ETP:	13 CMD						
Amount of t recycled :	reated effluent	9 CMD						
Amount of v	vater send to the CETP:	Treated W liquid disc Plant.	ater will be c harge outside	ompletely e the plan	v reo t pr	cycled / reus remises. It wi	ed in the Pl ill be a Zerc	ant and there will be no Diguid Discharge (ZLD)
Membershi	p of CETP (if require):	NA						
Note on ET	P technology to be used	Advanced	Tertiary Trea	itment				-
Disposal of	the ETP sludge	ETP sludg	e shall be sen	t to CHW	TSI	OF, Butibori	Nagpur	
38.Hazardous Waste Details								
Serial Number	Description	Cat	UOM	Existin	g	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	NA	NA		As per actual	As per actual	CHWTSDF
2	Incineration Ash	BMW-cat No. 9	NA	NA		113 kg/day	113 kg/day	CHWTSDF
		39.5	tacks em	ission	De	etails		
Serial Number	Section & units	Fuel U Qua	sed with antity	Stack N	I <b>o.</b>	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Incineration	HSD 6	5 ltr/hr.	1		30	0.550	90 (oC)
2	D.G Set	HSD 350	ltr./month	1		5.0 m above the roof	0.200	40 (oC)
		<b>40.D</b>	etails of I	Fuel to	be	e used		
Serial Number	Type of Fuel		Existing			Propose	d	Total
1	HSD		NA			66 ltr./h	r	66 ltr. /hr.
41.Source of	f Fuel	Loca	al Market					
42.Mode of	Transportation of fuel to	site Fuel Con	will be trans tainers.	ported to	the	e site by seal	ed MS Drur	ns through Closed



Tot		Total RG area :		1802.87 m2 (33% of the Total Plot Area )					
		No of trees	s to be cut	NA					
43.Green Belt Development		Number of be planted	trees to	289 Nos. of	289 Nos. of Trees will be Planted along the boundary of the Project Site.				
		List of pro native tree	posed es :	As listed be	low				
		Timeline for completion of plantation :		Within 1 M	onth during construe	ction period			
44.Number and list of trees species to be planted in the grour									
Serial Number	Name of	the plant	Comme	on Name	Quantity	Characteristics & ecological importance			
1	Azadirach	hta indica	N	eem	57	Evergreen			
2	Cassia	fistula	Golder	n shower	57	Deciduous			
3	Hibiscus ro	osasinensis	Jas	wand	57	Evergreen			
4	Butea mo	nosperma	Pa	alas	57	Deciduous			
5	Ficus r	eligiosa	Pi	ipal	61	Evergreen			
45	.Total quai	ntity of plar	its on grou	nd					
46.Num	ber and	list of sl	nrubs ar	nd bushes	s species to be	planted in the podium RG:			
Serial Number		Name		C/C Dista	ince	Area m2			
1		NA		NA		NA			
				47.E	nergy				
		Source of supply :	power	MSEDCL (Dava Sub Station)					
		During Construction Phase: (Demand Load)		20 kVA					
		DG set as Power back-up during construction phase		50 kVA					
Dor		During Op phase (Cor load):	During Operation phase (Connected load):						
require	ement:	During Op phase (Der load):	eration mand	30 kVA					
	GY	Transform	er:	30 kVA					
		DG set as i back-up du operation	Power ıring phase:	50 kVA					
		Fuel used:		HSD					
		Details of tension lin through th any:	high le passing le plot if	NA					
		48.Ene	ergy savi	ng by no	n-conventiona	l method:			
it is a Propo	sed project.	It will be do	ne during tl	he Operationa	al Phase of the Proje	ct.			

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

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



4	Environment Monitoring and Management		Post Project Environmental Monitoring: Ambi- Air Quality, Stac Emission, Noise Effluent Quality, W Zone Monitoring	ent sk s, /ork J.	5.0			8.0		
5	Green Belt Development		Green Belt will h developed in 1802 m2 area (33% of t Total Plot Area). 2 Nos. of Trees will Planted along th boundary of the Project Site.	be 1.87 the 289 be the e	1.0			1.0		
51.S	51.Storage of chemicals (inflamable/explosive/hazardous/toxic									s/toxic
Descri	ption	Status	Location	Stor Capa in N	orage pacity MT MT Maximum Quantity of Storage at any point of time in MT		Cons / Mo	umption onth in MT	Source of Supply	Means of transportation
HS	D	Liquid	Fuel Storage within Plant Premises	1100	00 Ltrs. 1100 Ltrs		316	80 Ltrs.	Local Market	Sealed MS Drums and through Closed Containers
			52.Any Ot	t <b>her</b> I	Info	rmation	l			
No Informa	tion Availa	ble	52 Troff			romont				
	Nos. of the junction to the main road & design of									

agger or anger			Signature:
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	Number and area of basement:	NA						
	Number and area of podia:	NA						
	Total Parking area:	60 M2						
	Area per car:	NA						
	Area per car:	NA						
Parking details:	Number of 2- Wheelers as approved by competent authority:	NA						
	Number of 4- Wheelers as approved by competent authority:	Steel Body Covered 4 Wheelers will be provided for the transportation of Bio-medical Waste from source to the project site. At a time about 2 - 3 Two Wheelers and about 1 - 2 Four Wheelers can parked within the plant premises.						
	Public Transport:	NA						
	Width of all Internal roads (m):	7.0 m						
	CRZ/ RRZ clearance obtain, if any:	ny: NA						
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	<pre>cance from tected Areas / ically Polluted as / Eco-sensitive as/ inter-State ndaries</pre> Boundary of Nagzira Wildlife Sanctuary is about 1.36 Km away from t Project Site towards NE						
	Category as per schedule of EIA7 (da) BNotification sheet7							
	Court cases pending if any	NA						
	Other Relevant Informations	No						
	Have you previously submitted Application online on MOEF Website.	No						
	Date of online submission	-						
SEAC	DISCUSSION	<b>ON ENVIRONME</b>	ENTAL 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							
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Air Quality & Noise Level issues	Not Applicable
<b>Energy Management</b>	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

## Brief information of the project by SEAC

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

## **DECISION OF SEAC**

During deliberations it was observed that, PP has not submitted site selection approval from prescribed Authority and stake holders as mentioned in the Bio Medical Management Rules published on 28.03.2016.

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

**Specific Conditions by SEAC:** 

## FINAL RECOMMENDATION

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

