

151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

SEAC Meeting number: 151 st (Day -3) Meeting Date May 25, 2018

Subject: Environment Clearance for INDUSTRIAL PROJECT

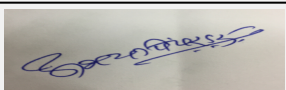
Is a Violation Case: No

General Information: Venue: CSIR- National Chemical Laboratory (NCL) Guesthouse, Pashan Road, Pune- 411008.

1.Name of Project	GAJLAXMI STEELS PVT LTD.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Anoop Jajoo
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Industrial Estate, Jalna Additional MIDC
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Expansion (2000 TPM to 8000 TPM) earlier EC was not required, production capacity was within EC limit
8.Location of the project	F-4,5,6 Addl MIDC, Jalna
9.Taluka	Jalna
10.Village	Jalna
11.Area of the project	MIDC area, Jalna
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7,182 m ²
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m ²)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	70000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	225 No. of workers		


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25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 - 12 m
29.Existing structure (s) if any	Yes, Industrial shed for existing production
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A. MS Billets/Ingots and/or and/or	2000 TPM	6000 TPM	8000TPM


32.Total Water Requirement

Dry season:	Source of water	MIDC Jalna
	Fresh water (CMD):	85
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD)	110
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	NA
Excess treated water	NA	


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Wet season:	Source of water	MIDC Jalna
	Fresh water (CMD):	80
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	110
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	10	10	0	5	5	0	5	5
Cooling tower & thermopack	0	65	65	0	65	65	0	0	0
Industrial Process	0	30	30	0	10	10	0	20	20
Gardening	0	5	5	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3.84 to 16.20 m bgl
	Size and no of RWH tank(s) and Quantity:	1 No. 10mX10mX5m
	Location of the RWH tank(s):	near green belt
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA



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35.Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern By gravity
	Quantity of storm water:	70 m ³
	Size of SWD:	300x450mm
Sewage and Waste water	Sewage generation in KLD:	5
	STP technology:	Extende areration system
	Capacity of STP (CMD):	1 no. Prefabricated STP having capacity 10 m ³ /d
	Location & area of the STP:	near admin building
	Budgetary allocation (Capital cost):	Rs. 10.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 0.50 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	debris, cement bags, empty drums etc.
	Disposal of the construction waste debris:	used within site, sent to Authorized recyclers
Waste generation in the operation Phase:	Dry waste:	office waste 56 kg/d, slag 12 T/d, process waste, refractory, scrap 4 MT
	Wet waste:	Nominal
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 kg/d
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Authorized vendor
	Wet waste:	used for composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	Location(s):	near process area
	Area for the storage of waste & other material:	50 m ²
	Area for machinery:	50 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 3.50 Lakhs
	O & M cost:	0.50 Lakhs/annum
37.Effluent Charecterestics		


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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 No.	electricity	1	30	1.2	95 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	electricity	electricity	electricity	electricity


41.Source of Fuel Electricity (MSEDCL)

42.Mode of Transportation of fuel to site from transmission line

43.Green Belt Development	Total RG area :	1040 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	100
	List of proposed native trees :	100
	Timeline for completion of plantation :	approx. 2 years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusopes alengi	Bakul	15	evergreen tree, timber yielding
2	Azadirctca indica	Neem	20	Evergreen Medicinal plant
3	Pongamea pinnata	Karanj	15	Medicinal plant
4	Saraca indica	Sita Ashok	10	Evergreen Medicinal plant
5	Syzygiam cumini	Jambhul	5	fruittree and bird attracting


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6	Neolamarkia cadamba	Kadamb	10	Tropical fruit tree and bird attracting
7	Vitex negundo	Nirgudi	10	Evergreen Medicinal plant
8	Bombax ceiba	Savar	15	Medicinal plant

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MIDC Jalna
	During Construction Phase: (Demand Load)	limited
	DG set as Power back-up during construction phase	1 No. 60 kVA
	During Operation phase (Connected load):	10100 kVA
	During Operation phase (Demand load):	10100 kVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA


49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Venture Dust collector provided	Dust collector with wet scrubber proposed
Water	Septic tank with soak pit	STP proposed for domestic waste water treatment
Solid Waste	Collection, segregation	Collection , Segregation

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


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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	for construction	for construction	Rs. 149.10 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air environmnet	Stack - emission control	120.00	8.00
2	water & waste water	water & waste water	15.00	0.30
3	Green belt	Green belt	5.00	1.40
4	Envt. monitoring	Envt. monitoring	--	0.35
5	Envt.cell & PR	Envt.cell & PR	0.10	0.65
6	other aspects like RWH, safty, security etc.	other aspects like RWH, safty, security etc.	2.50	0.30
7	Contingency	Contingency	3.00	0.20

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

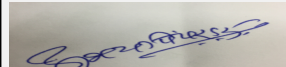
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
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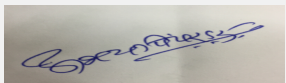

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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	862 m2
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	9-12 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	3 a
	Court cases pending if any	NA
	Other Relevant Informations	<ul style="list-style-type: none"> • Earlier we had presented the case during 81st SEAC-I meeting for ToR and received ToR for the same. (production of Billets/ Ingots) • EIA was submitted on 5.3.2016, then presented the case for EIA Appraisal during 124th SEAC-I meeting. (production of Billets/ Ingots), For this meeting we • we received compliance points, we submitted (revised form & PFR)the compliance points along with the letter clarifying addition of plot and process of rolling mill in the proposal. • We presented the case in 128th and 133rd SEAC -I meeting - case was differed for site visit. • Again presented the case during 135th SEAC-I meeting.As per 135th SEAC-I MoM, now we are submitting herewith revised Application for the same. we request you to consider case and accept our earlier EIA Report for the same.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-03-2013
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Environmental Impacts of the project	Not Applicable	


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

SEAC-AGENDA-0000000082

PP submitted their application for TOR to the earlier SEAC-1 committee and was considered in 81st, 124th, 128th and 135th meeting. Now PP informed that they have made changes and submitted a fresh proposal for ToR under category 3(a) B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 139th meeting held on 01.07.2017 where in ToR was granted along with few additional points as below,

1. PP to submit layout plan showing width of internal roads of six meters, turning radius of nine meters, entry /exit gates, parking areas, location of pollution control equipment, 33% green belt etc.
2. PP to submit an undertaking for not discharging any liquid waste/treated effluent outside the factory premises.
3. PP to submit copy of structural stability of existing buildings.
4. PP to submit details of CSR activities for the conservation of the Moti Lake situated near MIDC.
5. PP to submit quantitative and qualitative EMP. PP to include slag storage and disposal plan in the EMP.
6. PP to provide lightning arrestor.
7. PP to submit an undertaking for not violating any requirement of EIA Notification, 2006 and amendments thereof.

Public hearing is applicable.

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

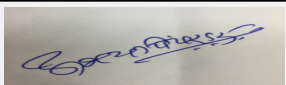
DECISION OF SEAC

PP remained absent in 151st meeting of SEAC.

Hence deferred


Specific Conditions by SEAC:

FINAL RECOMMENDATION


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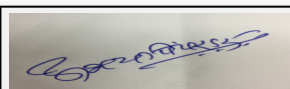
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SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

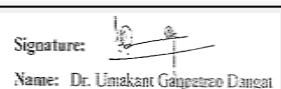
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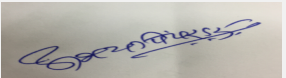
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Subject: Environment Clearance for Environment Clearance for proposed expansion infrastructure facilities by providing additional jetties / berths along with additional approaches at Mankhurd, Mumbai

Is a Violation Case: No


1.Name of Project	Environment Clearance for proposed expansion infrastructure facilities by providing additional jetties / berths along with additional approaches at Mankhurd, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Yogayatan Ports Pvt. Ltd.
4.Name of Consultant	M/s. EcoFootForward Environment Consultancy & Engineers Pvt. Ltd.
5.Type of project	Others "Port Terminals"
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Mankhurd
9.Taluka	Mumbai suburbs
10.Village	Mankhurd
Correspondence Name:	Mr. Manoj Uapadhayay
Room Number:	NA
Floor:	4
Building Name:	Vaswani Mansions
Road/Street Name:	120
Locality:	Churchgate
City:	Mumbai
11.Area of the project	Land allotted by Maharashtra Maritime Board (MMB)
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	80,648 sq. m.
16.Deductions	NA
17.Net Plot area	80,648 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	400000000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.5 m		
29.Existing structure (s) if any	Jetty		
30.Details of the demolition with disposal (If applicable)	Not applicable		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	N A	NA	NA	NA

32.Total Water Requirement

Dry season:	Source of water	MCGM
	Fresh water (CMD):	5.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	4.0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	192
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	15
	Excess treated water	Not applicable


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Wet season:	Source of water	MCGM
	Fresh water (CMD):	5.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	192
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	15
	Excess treated water	4.0

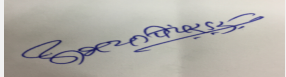
Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	5.5	5.5	NA	0.9	0.9	NA	4.6	4.6


34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3 m below ground level
	Size and no of RWH tank(s) and Quantity:	water bodies to be developed as per design
	Location of the RWH tank(s):	on periphery of plot
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	30 lakhs
	Budgetary allocation (O & M cost) :	1.52 lakhs
	Details of UGT tanks if any :	NA

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


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Sewage and Waste water	Sewage generation in KLD:	4.6
	STP technology:	Constructed Wetland Technology
	Capacity of STP (CMD):	5.5 KLD
	Location & area of the STP:	near labour colony direction south west
	Budgetary allocation (Capital cost):	5 lakhs
	Budgetary allocation (O & M cost):	0.5 lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	From Construction Activities
	Disposal of the construction waste debris:	Will be Handed Over to MPCB Authorized Collection Agencies
Waste generation in the operation Phase:	Dry waste:	15 kg/day
	Wet waste:	35 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Segregation & sale recyclables, inert send to approved landfill
	Wet waste:	Biodegradable waste will be treated in OWC.
	Hazardous waste:	Will be send to MPCB authorized Collection agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Near labour colony
	Area for the storage of waste & other material:	10 sq. m. (for OWC unit & curing system)
	Area for machinery:	1.6 m x 1.06m x 1.0 m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	6.5 lakhs
	O & M cost:	1.6 lakhs/ year


37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			


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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	HSD	1	5	0.1	450

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	150 liters	150 liters

41.Source of Fuel

local Market

42.Mode of Transportation of fuel to site

Transportation through HDPE Containers


43.Green Belt Development

Total RG area :	829 sq. m.
No of trees to be cut :	NA
Number of trees to be planted :	50
List of proposed native trees :	As per given below
Timeline for completion of plantation :	60 days

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


Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifera indica	Amba	7	Fruit bearing tree
2	Emblicia officinalis	Awla	7	plant with good regenerative capacity
3	Pongamia pinnata	Karanj	7	Fast growing, sturdy, nitrogen fixing plant
4	Bombax ceiba	Kate sawar	7	fast growing plant
5	Holarrhena pubescens	Kuda	8	Good for afforestation in poor soils
6	Calophyllum inophyllum	Undi	7	acts as shore protector flowers attracts honey bees
7	Ficus benghalensis	Vad	7	fruiting tree attracts many birds

45.Total quantity of plants on ground


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

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

47.Energy

Power requirement:	Source of power supply :	Tata Power
	During Construction Phase: (Demand Load)	185 KVA (available)
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	500 KVA
	During Operation phase (Demand load):	185 KVA
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	2 x 75 KVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Generated sewage	NA	STP of 5.5 CMD Capacity
Biodegradable waste	NA	OWC of 25 kg capacity
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Sanitary Facility for Labour camp	Drinking water, Toilets	10



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2	Green belt Development	Native tree plantation	10
3	Noise Barrier, Dust Suppression curtains & water Sprinkling system	Noise Barrier, Dust Suppression curtains & water Sprinkling system	10
4	Sewage Treatment Plant	Construction Wetland Technology	5
5	Solid waste Management	OWC Installation	6.55
6	Implementation of Environment Monitoring Program	Preparation of Environmental Compliance reports	17.8
7	Contingency & others	-	25

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	-	5	1.6
2	Solid waste Management	OWC, Manpower, coloured dustbins.	6.55	1.6
3	Implementation of Environment Monitoring Program	Preparation of Environmental Compliance reports	-	13.12
4	Greenbelt Development	Native tree plantation	-	0.28
5	Contingency & others	-	25	3

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available


53.Traffic Management

Nos. of the junction to the main road & design of confluence:	1
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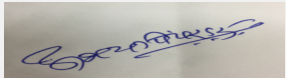
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	8135 sq. m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	10
	Number of 4-Wheelers as approved by competent authority:	6 cars
	Public Transport:	50 trucks
	Width of all Internal roads (m):	6 meters
	CRZ/ RRZ clearance obtain, if any:	YES
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	7 (e) B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-02-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Phytorid technology based STP for treatment of domestic sewage.
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable


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PP obtained ToR in 123rd meeting of SEAC-1 held on 11-12 March,2016. SEAC-1 visited the site on 17.03.2016 and forwarded their observations to the PP for compliance.

Now PP submitted EIA report for appraisal.

PP informed that following activities will be carried out on site,

1. Extension of existing Jetty.
2. Silos Construction.
3. Development of Parking areas for vehicles.
4. Internal and approach road construction.
5. Administrative offices, Rest House and toilet blocks.

PP informed that they have obtained MCZMA approval.

The proposal was considered by SEAC in 148th meeting and decided as below,

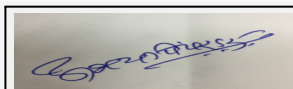
Based on information given by the PP, this application for prior Environment Clearance is applicable only to those activities which are approved/recommended by MCZMA.

SEAC observed that ,PP has not conducted Public Consultation as required under EIA Notification,2006 amended time to time.

In view of above SEAC decided to defer the proposal till PP submits Public Hearing Report ,final EIA report and compliance of following points to the SEAC for appraisal as required under EIA Notification, 2006 amended time to time.

1. PP to include details of activities to be covered under this application for prior Environmental Clearance.
2. PP to submit point wise compliance of additional ToR approved in the 123rd meeting of SEAC-I, points raised during the site visit by SEAC-1 site visit.
3. PP to submit copies of plans approved by the Competent Authority in respect of proposed development.
4. PP to superimpose the proposed development plan on CZMP map to identify the area under CRZ, mangroves cover etc. PP to submit detailed chapter on the same in the EIA report.
5. PP to submit undertaking for not disturbing any existing mangrove and buffer zone during proposed development.
6. PP to ensure that no reclamation shall be done without obtaining permission from Competent Authority.
7. PP to submit structural stability certificate of existing buildings/structures on site; PP to include demolition plan in the EIA report along with its impact and mitigation measures.
8. PP to carry out traffic study to identify the impact of proposed traffic on existing roads and include in the EIA report.

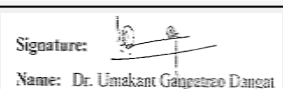
Now in 151st meeting proposal was taken as table item as PP submitted the compliance of above points.



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DECISION OF SEAC

Public Hearing was conducted on 18.04.2018 by MPCB.

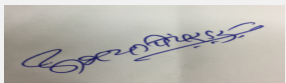
After deliberations with the PP and their accredited consultant SEAC decided to recommend the proposal for prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

- 1) This project appraisal for prior Environmental Clearance is limited to the activities and area approved by MCZMA subject to the compliance of the conditions stipulated in their letter.
- 2) PP to ensure validity of the MCZMA clearance obtained on 02.02.2011, if required PP to get it revalidated.
- 3) PP to ensure that, there shall not be any cutting or damage to the mangroves during proposed development.
- 4) PP to carry out survey / mapping of trees on the proposed site and ensure scientific transplantation in case any tree removal is required during the development.
- 5) PP to submit affidavit for not violating any requirement of EIA notification, 2006 amended from time to time.
- 6) PP to submit an undertaking for not handling any hazardous chemical/material at proposed site.
- 7) PP to ensure no reclamation to be carried out during proposed development.
- 8) PP to superimpose the proposed development plan on CZMP map to identify the area under CRZ, mangroves cover etc.
- 9) PP to submit mitigation measures of the parameters exceeding in the base line data like e-coli, COD, BOD in water.

FINAL RECOMMENDATION


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



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151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

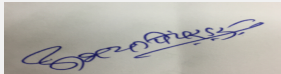
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Subject: Environment Clearance for Expansion of Synthetic Organic Chemicals Manufacturing facility.

Is a Violation Case: Yes

1.Name of Project	Expansion of Synthetic Organic Chemicals Manufacturing facility at Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik by Spak Orgo Chem (India) Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	Spak Orgo Chem (India) Private Limited.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik, Maharashtra
9.Taluka	Nashik
10.Village	MIDC Satpur
Correspondence Name:	Ameya Jogalekar
Room Number:	H-8, MIDC, Satpur, Dist : Nashik
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Not applicable
Locality:	MIDC Satpur
City:	Nashik
11.Area of the project	Not Applicable
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area:
13.Note on the initiated work (If applicable)	Consent to establish was obtained from MPCB in the year 2010 and consent to operate with expansion having consent validity upto 31.05.2017 in the year 2012 from the MPCB regional office without obtaining environmental clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan Approved by MIDC
15.Total Plot Area (sq. m.)	4234.85 sq. m
16.Deductions	Not applicable
17.Net Plot area	4234.85 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 07-04-2018
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	38707565

22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops	Not applicable			
24.Number of expected residents / users	Not applicable			
25.Tenant density per hectare	Not applicable			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not Applicable			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable			
29.Existing structure (s) if any	Not applicable			
30.Details of the demolition with disposal (If applicable)	Not applicable			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Organic Surfactants	76.5	0	76.5
2	Organic Esters	131.3	0	131.3
3	Poly Electrolytes	18.0	0	18.0
4	Amides and other esters and surfactants	60.0	0	60.0
32.Total Water Requirement				


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


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	3.5	0	3.5	0.5	0	0.5	3.0	0	3.0
Industrial Process	8.0	0	8.0	0	0	0	8.0	0	8.0
Cooling tower & thermopack	19.2	0	19.2	16.5	0	16.5	2.7	0	2.7
Gardening	1	0	1	1	0	1	0	0	0



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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Not Applicable
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not applicable
35. Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	Sewage generation in KLD:	3.0 cmd
	STP technology:	Not Applicable as Soak Pit is provided for discharge of sewage generated & overflow if any is used for Gardening.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	Dry waste:	HDPE drums : 50 Nos. / Month & Plastic bags : 400 Nos./ month
	Wet waste:	Not Applicable
	Hazardous waste:	Category 35.3 : ETP sludge - 10 Kg/ Day
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable


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Mode of Disposal of waste:	Dry waste:	Sale to Authorized party
	Wet waste:	Not applicable
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Utility Area
	Area for the storage of waste & other material:	30 Sq. mtr.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	8.5	6.5-7	5.5- 9.0
2	COD	mg/lit	7000-10000	700-1300	< 250
3	BOD	mg/lit	3200	200-275	< 100
4	TDS	mg/lit	3000	0-40	< 2100
5	TSS	mg/lit	10000	150-200	<100
6	Oil & Grease	mg/lit	600	8-9	<10
7	Sulphate	mg/lit	1400-1800	400	< 1000
8	Chlorides	mg/lit	650	<600	< 600

Amount of effluent generation (CMD):

Trade Effluent - 10.7 cmd

Capacity of the ETP:

11 cmd

Amount of treated effluent recycled :

10.7 cmd

Amount of water send to the CETP:

Not Applicable (It is Zero Liquid Discharge Unit)

Membership of CETP (if require):

Not Applicable

Note on ETP technology to be used

Primary, Secondary and Tertiary Treatment including MEE

Disposal of the ETP sludge


CHWTSDF

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	Kg/day	10	0	10	CHWTSDF


39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (capacity 1.5 Ton/hr)	Briquette 2.47 Ton/day	1	30	0.450	175


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2	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	2	20	0.350	170
3	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	3	20	0.350	170
4	DG Set 200 KVA (Proposed)	HSD 20 Lit/hr	4	as per norms	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	Briquette	2.47 Ton/day	0	2.47 Ton/day	
2	Furnace oil	368 kg/day	0	368 kg/day	
3	HSD	0 lit/hr	20 Lit/hr	20 Lit/hr	
41.Source of Fuel		Local			
42.Mode of Transportation of fuel to site		By Road			

43.Green Belt Development	Total RG area :	as per norms
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Not Applicable
	List of proposed native trees :	Will be provide in EIA
	Timeline for completion of plantation :	Not Applicable

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



Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	180 KVA
	During Operation phase (Demand load):	180 KVA
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

NA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler (capacity 1.5 Ton/hr) & TFH (2 nos.) - (capacity 2 Lac kcal /hr each)	Stack height as per CPCB guidelines	Not Applicable
DG Set (200 KVA)	Not Applicable	Stack height as per CPCB guidelines


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

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


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

b) Operation Phase (with Break-up):


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

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

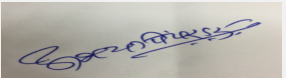
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
P.K.OIL	existing	at site	20 KL	20 KL	51	local	By Road
CFA	existing	at site	20 KL	20 KL	145.3	local	By Road
RBFA/OLEIC ACID	existing	at site	20 KL	20 KL	145.3	local	By Road
Sorbitol Mono Laurate (finish product)	existing	at site	25 KL	25 KL	0	local	By Road
Sorbitol Mono Oleate (finish product)	existing	at site	16 KL	16 KL	0	local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

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


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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f) - B
	Court cases pending if any	No, Not Applicable
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 151 st (Day -3) Meeting Date: May 25, 2018	Page 31 of 99	Signature:  Name: Dr. Umakant Gangotree Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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PP submitted their application for grant of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018, PP applied for the grant of ToR to the MoEF&CC and SEIAA vide Unique ID No. 1199 on 11th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

DECISION OF SEAC

PP requested to postpone the presentation.


Hence deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000082



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

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

151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

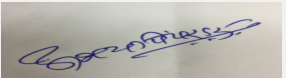
SEAC Meeting number: 151 st (Day -3) Meeting Date May 25, 2018

Subject: Environment Clearance for Proposed expansion of synthetic organic chemicals facility at Plot No. A-17, MIDC Mahad, Mahad, Dist Raigad by Maharashtra Aldehydes and Chemicals Ltd

Is a Violation Case: Yes


1.Name of Project	Proposed expansion of Synthetic organic chemicals facility at Plot No. A-17, MIDC Mahad, Mahad, Dist Raigad by Maharashtra Aldehydes and Chemicals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Maharashtra Aldehydes and Chemicals Limited,
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. A-17, MIDC Mahad, Mahad
9.Taluka	Mahad
10.Village	Mahad
Correspondence Name:	Durgesh Gorane (GM-TECH),
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Maharashtra Aldehydes and Chemicals Limited, A-17, MIDC Mahad Mahad, Dist Raigad
City:	MIDC, Mahad
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	MIDC plot allotment
	IOD/IOA/Concession/Plan Approval Number: MIDC plot approval
	Approved Built-up Area: 7709.63
13.Note on the initiated work (If applicable)	Not applicable. Proposed expansion will be within existing facility.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	20000 sq.m.
16.Deductions	--
17.Net Plot area	--
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): --
	b) Non FSI area (sq. m.): --
	c) Total BUA area (sq. m.): 7709.63
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): --
	Approved Non FSI area (sq. m.): --
	Date of Approval:
19.Total ground coverage (m2)	--
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	--
21.Estimated cost of the project	500000000

22.Number of buildings & its configuration



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Dr. Umakant Dangat (Chairman SEAC-I)

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	--	--	--	
23.Number of tenants and shops	Not Applicable			
24.Number of expected residents / users	Not Applicable			
25.Tenant density per hectare	Not Applicable			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Min. 6 m			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 m			
29.Existing structure (s) if any	Existing facility pertaining to manufacturing of Synthetic Organic chemicals.			
30.Details of the demolition with disposal (If applicable)	No major demolition			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Alkyl Esters Phthalic acids	800	800	1600
2	Alkyl Esters carboxylic acids	30	184	214
3	Alkyl Esters Citric acids	0	150	150
4	Phenol Derivatives	21.5	1186	1207.5
5	Cyclopentanone & its Derivatives	100	0	100
6	Absolute Alcohol	0	1200	1200
7	Distillation of solvents	165	235	400
8	Vitamin Formulations	100	400	500
9	Sodium Sulphate	0	500	500
10	Acetic/ Propionic Acid	0	50	50
11	Sodium Pyrithione	75	- 75	0 (product will be discontinued in proposed project)
32.Total Water Requirement				


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Dry season:	Source of water	MIDC
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	566 cmd (Existing + Proposed)
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Wet season:	Source of water	--
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	--
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--
Details of Swimming pool (If any)	Not applicable	


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	10.5	4.5	15	2.5	0.5	3	8	4	12
Industrial Process	79	180	259	19	10	29	60	170	230
Cooling tower & thermopack	67	225	292	59.5	205	264.5	7.5	20	27.5
Gardening	0	0	0	0	0	0	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Details will be given in EIA report
	Size and no of RWH tank(s) and Quantity:	Details will be given in EIA report
	Location of the RWH tank(s):	Details will be given in EIA report
	Quantity of recharge pits:	Details will be given in EIA report
	Size of recharge pits :	Details will be given in EIA report
	Budgetary allocation (Capital cost) :	Details will be given in EIA report
	Budgetary allocation (O & M cost) :	Details will be given in EIA report
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	Natural water drainage pattern:	Details will be given in EIA report
	Quantity of storm water:	Details will be given in EIA report
	Size of SWD:	Details will be given in EIA report
Sewage and Waste water	Sewage generation in KLD:	12 cmd
	STP technology:	Not applicable. Sewage will be treated in ETP plant at Secondary stage.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of construction debris will be generate.
	Disposal of the construction waste debris:	Minor quantity of construction debris will be generate.
Waste generation in the operation Phase:	Dry waste:	Coal ash: 10.7 TPD, Metal scrap: 200 kg/M, Insulating waste: 100 kg/M, Canteen waste: 900 kg/A, Rubber hand gloves, PVC shoes, tarpoline, paper waste: 300 kg/A, Broken discarded glass: 200 kg/A
	Wet waste:	NA
	Hazardous waste:	Chemical sludge form waste water treatment - 40 MT/D, Residue And wastes 420 KL/M, Process sludge / residue 210 KL/M, Spent Organic solvent 270 KL/M, Discarded barrels/liners 2200 Nos. / Y, Discarded Asbestos 250 Kg/yr, Spent oil (waste/used oil) 230 Kg/M, Oil soaked gaskets and cotton waste 5 Kg/M, Filter & filter material 1 MT/Y
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not Applicable
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Mode of Disposal of waste:	Dry waste:	Coal Ash: Sale to Bricks manufacture, Metal scrap: Sale to Authorized party , Insulating waste: Sale to Authorized party, Canteen waste: Composting, Rubber hand gloves, PVC shoes, tarpaulin, paper waste: Recycle/ Sale after decontamination, Broken discarded glass: Sale after decontamination
	Wet waste:	Wet waste will be disposed off as per norms.
	Hazardous waste:	Hazardous waste will be disposed of as per HW rule, 2016/ CPCB norms/ MPCB norms.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	as per requirement
	Area for the storage of waste & other material:	as per requirement
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Details will be given in EIA report
	O & M cost:	Details will be given in EIA report

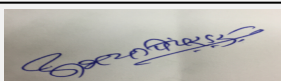
37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	2 to 4	6.5 to 9	6.5 to 9
2	Chemical oxygen Demand	mg/L	5000 to 6000	< 250	250
3	Biological oxygen Demand	mg/L	2000 to 3000	< 100	100
4	Total suspended solids	mg/L	200 to 300	< 100	100
5	Total Dissolved solids	mg/L	3000 to 4000	< 2100	2100
6	Oil & Grease	mg/L	10 to 15	< 10	10
7	Sulphate	mg/L	2500 to 3000	< 1000	1000
8	Total Ammonical nitrogen	mg/L	10 to 20	< 50	50
9	Chloride	mg/L	1000	< 600	600

Amount of effluent generation (CMD):	269.5 cmd (Existing + Proposed)
Capacity of the ETP:	300 cmd (Existing + Proposed)
Amount of treated effluent recycled :	Treated effluent partly will be used for green belt development & maintenance.
Amount of water send to the CETP:	269.5 cmd (Existing + Proposed)
Membership of CETP (if require):	Yes. Company is already member of Mahad CETP.
Note on ETP technology to be used	Please refer Pre- feasibility report.
Disposal of the ETP sludge	ETP sludge will be sent to CHWTSDF for disposal.

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge form waste water treatment	35.3	TPM	10	30	40	to CHWTSDF


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2	Residue And wastes	28.1	KL/M	120	300	420	Sale to MPCB authorized recycler
3	Spent Organic solvent	28.6	KL/M	270	0	270	Sale to MPCB authorized recycler/ CHWTSDF
4	Process sludge / residue	26.1	KL/M	60	150	210	Sale to MPCB authorized recycler
5	Discarded barrels/liners	33.1	Nos/A	0	2200	2200	Sale to MPCB authorized recycler
6	Discarded Asbestos	15.2	Kg/A	0	250	250	Sale to MPCB authorized recycler
7	Spent oil	5.1	Kg/M	0	230	230	Sale to MPCB authorized recycler
8	Oil soaked gaskets and cotton waste	5.2	Kg/M	0	5	5	Sale to MPCB authorized recycler
9	Filter & Filter material	36.2	TPA	0	1	1	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (existing) - 2 TPH	Coal- 7 TPD	1	32	0.8	142
2	TFH (Existing) - 4 Lakh Kcal/Hour	FO- 1.2 KL/day OR Coal- 2.8 TPD	2	20	0.45	148
3	Boiler (Proposed) - 6 TPH	Coal: 26 TPD	3	as per statutory requirement	as per statutory requirement	as per statutory requirement
4	TFH (Proposed) - 8 lakh Kcal/hour	Coal: 7.2 TPD	4	as per statutory requirement	as per statutory requirement	as per statutory requirement
5	DG set (Existing) - 62 KVA	HSD: 0.5 KL/day	5	2 m above roof	0.15	140
6	DG set (Proposed) - 250 KVA	HSD: 1.2 KL/day	6	as per statutory requirement	as per statutory requirement	as per statutory requirement

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	9.8 TPD	33.2 TPD	43 TPD
2	Furnace oil	1.2 KL/day	0	1.2 KL/day
3	HSD	0.5 KL/day	1.2 KL/day	1.7 KL/day
41.Source of Fuel		From nearby vendors		
42.Mode of Transportation of fuel to site		By road		


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43.Green Belt Development	Total RG area :	as per MIDC norms
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	as per CPCB norms
	List of proposed native trees :	Details will be given in EIA report.
	Timeline for completion of plantation :	Details will be given in EIA report.

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

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

45.Total quantity of plants on ground

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

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

47.Energy


Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	770 KVA (proposed)
	DG set as Power back-up during construction phase	2 DG set (Existing 1 No. 62 KVA + Proposed 1 No. 250 KVA)
	During Operation phase (Connected load):	770 KVA (proposed)
	During Operation phase (Demand load):	770 KVA
	Transformer:	within plot
	DG set as Power back-up during operation phase:	2 DG set (Existing 1 No. 62 KVA + Proposed 1 No. 250 KVA)
	Fuel used:	HSD for DG sets
	Details of high tension line passing through the plot if any:	No HT line passing through plot.

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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


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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution (Boiler, TFH, Process, DG set)	Stack & Cyclone dust collector	Stack & bag filter
Water pollution	ETP	ETP
Noise pollution	PPE, Acoustic enclosure	PPE, Acoustic enclosure
Hazardous waste	disposal at CHWTSDF, Authorized recycler	disposal at CHWTSDF, Authorized recycler
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	details will be given in EIA report
	O & M cost:	details will be given in EIA report

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	details will be given in EIA report	details will be given in EIA report	details will be given in EIA report	details will be given in EIA report


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
SDS	Existing + Proposed	within plot	3 x 100 KL + 3 x 100 KL	480 KL	1283.4	Local	Tanker
Methanol	Existing	within plot	46 KL	36 KL	754.5	Local	Tanker
Acetic Anhydride	Proposed	within plot	20 KL	16 KL	52	Local	Tanker
Hexane	Existing	within plot	3 x 12 KL	30 KL	444.4	Local	Tanker
2 Ethyl Hexanol	Proposed	within plot	2 x 100 KL	160 KL	300.33	Local	Tanker
Iso Nonyl Alcohol	Proposed	within plot	100 KL	80 KL	153	Local	Tanker
Propionic Anhydride	Proposed	within plot	20 KL	16 KL	49	Local	Tanker
Acetonitrile	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker
Ethyl Acetate	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker
Ethyl Acetoacetate	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker
Acetic acid	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker


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Butanol	Proposed	within plot	20 KL	16 KL	627.6	Local	Tanker
Toluene	Proposed	within plot	20 KL	16 KL	444.4	Local	Tanker


52.Any Other Information

No Information Available

53.Traffic Management


	Nos. of the junction to the main road & design of confluence:	Not applicable
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	as per MIDC norms
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	as per rule
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS


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

Brief information of the project by SEAC

PP submitted their application for grant of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018, PP applied for the grant of ToR to the SEIAA vide Unique ID No1212.. on 12th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

DECISION OF SEAC

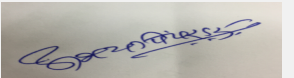
After detailed deliberations with the PP and their accredited consultant, it was observed that PP was not having adequate information to present to the committee.

Hence deferred.

Specific Conditions by SEAC:


FINAL RECOMMENDATION

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


Abhay Pimparkar (Secretary SEAC-I)

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(Chairman SEAC-I)**

151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

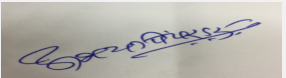
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Subject: Environment Clearance for Proposed 2.1 MTPA Ordinary Portland Cement (OPC) Grinding Unit at village Kolave, Taluka Pen, District Raigad, Maharashtra by JSW Cement Limited

Is a Violation Case: No


1.Name of Project	2.1 MTPA Ordinary Portland Cement (OPC) Grinding Unit by JSW Cement Limited at Village-Kolave, Taluka-Pen, Dist-Raigad, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Nilesh Narwekar
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	11, 12, 44, 45, 50
9.Taluka	Pen
10.Village	Kolave
Correspondence Name:	Mr. Manoj Rustogi
Room Number:	1
Floor:	3rd Floor
Building Name:	JSW Centre
Road/Street Name:	MMRDA Ground, Bandra Kurla Complex
Locality:	Bandra (East)
City:	Mumbai
11.Area of the project	Wadhkal Group Gram Panchayat, Raigad Zilla Parishad
12.IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area: 54633
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.)	36422 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 54632.56
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	3300000000

22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable as it is industrial project	Not applicable as it is industrial project	Not applicable as it is industrial project	
23.Number of tenants and shops	Not applicable as it is industrial project			
24.Number of expected residents / users	150 no.			
25.Tenant density per hectare	Not applicable as it is industrial project			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable as it is industrial project			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m			
29.Existing structure (s) if any	No			
30.Details of the demolition with disposal (If applicable)	No			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Ordinary Portland Cement	Nil	2.1 MTPA	2.1 MTPA
32.Total Water Requirement				


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Dry season:	Source of water	Water will be supplied by JSW steel through its existing source at Dolvi steel plant by laying a pipe line from source to destination
	Fresh water (CMD):	276
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	300 m3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	150 m3/day
	Excess treated water	-
Wet season:	Source of water	Water will be supplied by JSW steel through its existing source at Dolvi steel plant by laying a pipe line from source to destination
	Fresh water (CMD):	-
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	-
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	150 m3/day
	Excess treated water	-
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	0	100	150	0	150	150	0	0	0
Domestic	0	60	60	0	36	36	0	24	24
Gardening	0	60	60	0	60	60	0	0	0
Industrial Process	0	30	30	0	30	30	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3 m
	Size and no of RWH tank(s) and Quantity:	20 x 15 x 4, one no.
	Location of the RWH tank(s):	Inside the plant
	Quantity of recharge pits:	10 nos.
	Size of recharge pits :	2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 50 lakh
	Budgetary allocation (O & M cost) :	Rs. 3 lakh/year
	Details of UGT tanks if any :	Capacity of above ground water storage tank: 150 m3

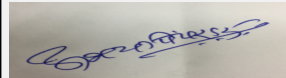
35.Storm water drainage	Natural water drainage pattern:	Open drainage all around the plant
	Quantity of storm water:	1.01 m3/sec
	Size of SWD:	750 mm x 500 mm

Sewage and Waste water	Sewage generation in KLD:	24 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	50 m3/day
	Location & area of the STP:	Inside the plant near canteen, Approx-2,000 sq. feet
	Budgetary allocation (Capital cost):	Rs. 30 Lakhs
	Budgetary allocation (O & M cost):	Rs. 60 Lakhs/annum

36.Solid waste Management


Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste will be mainly debris excavated earth.
	Disposal of the construction waste debris:	The construction waste will be used internally for filling and leveling of site.

Waste generation in the operation Phase:	Dry waste:	No solid waste will be generated from the manufacturing process. Other solid waste will be non hazardous in nature.
	Wet waste:	Nil
	Hazardous waste:	Approx 5 KL per annum spent oil/waste grease will be generated.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Domestic sewage sludge (approx 6.25 kg/day) will be utilized as organic manure for horticultural purposes
	Others if any:	Empty carboys/containers, torn plastic bags, plastic drums, polythene liners


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Mode of Disposal of waste:	Dry waste:	Will be sold to recyclers
	Wet waste:	Small quantities waste will be vermi composted and used in horticulture
	Hazardous waste:	will be sold to authorized recyclers
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Domestic sewage sludge (approx 6.25 kg/day) will be utilized as organic manure for horticultural purpose
	Others if any:	Returned to vendors for refilling and or sold to authorize recyclers
Area requirement:	Location(s):	Suitably located
	Area for the storage of waste & other material:	To be allocated close to the source of generation
	Area for machinery:	To be allocated
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 8 Lakhs
	O & M cost:	Rs. 2 Lakh per annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	3-12	6-8	5-9
2	SS	mg/lit	300	Less than 100	100
3	BOD	mg/lit	400	Less than 30	Less than 30
4	COD	mg/lit	1000	Less than 250	Less than 250
5	O & G	mg/lit	Less than 15	Less than 10	10
6	TDS	mg/lit	3000	Less than 2100	2100
7	Chloride	mg/lit	1500	Less than 600	600
8	Sulphate	mg/lit	1000	Less than 200	1000

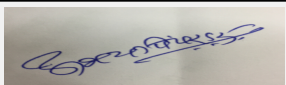
Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable as there is no effluent generation
Disposal of the ETP sludge	Not applicable as there is no effluent generation

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil and used grease	5.1 & 5.2	KL	0	50	50	To be sold to authorized recyclers


39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Cement mill	Not Applicable	1	50	3.60	70 degree celcius



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40.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable
41.Source of Fuel		Not Applicable		
42.Mode of Transportation of fuel to site		Not Applicable		
43.Green Belt Development	Total RG area :	4.5 Acres		
	No of trees to be cut :	None		
	Number of trees to be planted :	Approx 600 trees per acre		
	List of proposed native trees :	Peepal, Arjuna, Mango, Suru, Undi, Amla		
	Timeline for completion of plantation :	Within 3 years of plant commissioning		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus religiosa	Peepal	500	Higher pollution tolerance index
2	Terminalia arjuna	Arjuna	500	Higher pollution tolerance index
3	Mangifera indica	Mango	500	Higher pollution tolerance index
4	Casuarina equisetifolia	Suru	600	Higher pollution tolerance index
5	Mamea logifolia	Undi	-	Higher pollution tolerance index
6	Embelica officinalis	Amla	400	Higher pollution tolerance index
7	Terminalia arjuna	Arjun	-	Higher pollution tolerance index
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	Not Applicable	Not Applicable	Not Applicable	
47.Energy				


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Power requirement:	Source of power supply :	From 132 KV switchyard of JSW Steel Plant at Dolvi
	During Construction Phase: (Demand Load)	2 MVA
	DG set as Power back-up during construction phase	1 DG set - 2,000 kVA
	During Operation phase (Connected load):	15 kVA
	During Operation phase (Demand load):	14 MW
	Transformer:	One 10 MVA for cement mill operation, another 10 MVA standby
	DG set as Power back-up during operation phase:	1 x 2000 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

Solar pannel and solar light

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Pannel	> 2%

50. Details of pollution control Systems

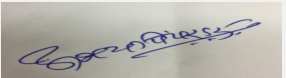
Source	Existing pollution control system	Proposed to be installed
Air	Not Applicable	Bag house, bag filters, chimneys, water sprinkling
Water	Not Applicable	STP
Noise	Not Applicable	Silencers, enclosures, ear muffs, admin control etc
Solid waste	Not Applicable	Reuse, incineration, vermin composting, sold to recyclers

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.150 lakh
	O & M cost:	Rs.10 lakh per annum

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	pH, colour, odour, turbidity, total hardness	0.80
2	Site sanitation	Disinfection	0.20
3	Environmental monitoring	Air, water, soil and noise monitoring	0.30


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4	Health check up	Monthly	0.50
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	APCD, water spraying, sheds and covering etc.	1,227.5	38.14
2	Water pollution control	STP (50 KLD), storm water management etc	250.0	7.95
3	Rain water harvesting	Channelizing and maintenance of rain water harvesting	50	3
4	Occupational health	Dispensary, ambulance, medicines, health check ups etc.	39.0	4.50
5	Environment management	Monitoring equipment, implementation of EMP, manpower etc.	63.5	25.4
6	Greenbelt development	Plantation along periphery, garden development, land scaping etc.	70.0	10.56

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
HSD	-	Ex plant	20 KL	20 KL	10 KL	IOCL	Road

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not applicable as its an industrial project
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	4,371 m ²
	Area per car:	As it's an Industrial project trucks of different sizes will be used
	Area per car:	As it's an Industrial project trucks of different sizes will be used
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	3 to 4 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No critically polluted area, no national park / wildlife sanctuary within 10 km of the radius
	Category as per schedule of EIA Notification sheet	3 (b) B2 category
	Court cases pending if any	Not applicable
	Other Relevant Informations	We have submitted proposal to MoEF having file no. SIA/MH/IND2/72816/2018 on dated 8th February, 2018.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-02-2018

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
Solid Waste Management	Not Applicable


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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(b)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

SEAC-AGENDA-000000082

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.

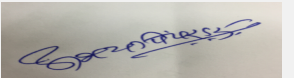
PP to submit prefeasibility report for the proposed project.

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

PP to carry out 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.


Specific Conditions by SEAC:

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
- 3) PP to submit details of ownership documents of the proposed site.
- 4) PP to submit clarification on the applicability of CRZ requirements.
- 5) PP to carry out life cycle analysis of the activities carried out on site with respect to the site selection, sustainability index, green house and ozone depletion potential etc
- 6) PP to include detailed material balance charts for each product along with process flow diagram showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 7) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 8) PP to include cumulative impact of proposed activity on the surrounding environment including ecology and biodiversity along with mitigation measures in the EIA report.
- 9) PP to carry out detailed radioactivity studies of the fly ash and its impacts on the surrounding environment along the route used for transportation of fly ash from the source till the proposed site.
- 10) PP to submit details of water source and waste water treatment and disposal. PP to submit water supply permission obtained from irrigation department along with agreement copy to lift the water from Amba river.
- 11) PP to include details of fugitive dust management in the EIA report.
- 12) PP to carry out traffic impact study and include it in the EIA report.
- 13) PP to submit detailed water balance calculations. PP to correct water consumption details given in the Sr. No. 33 of the consolidated statement.
- 14) PP to submit an undertaking for not damaging any mangroves during proposed development.
- 15) PP to carry out detailed survey and mapping of all trees existing on site. PP to obtain permission from competent authority and transplant the same trees in the premises under supervision of botanical expert. PP to include the same in the EIA report.
- 16) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site and General Condition as mentioned in the EIA Notification, 2006 are not applicable to the proposed project.
- 17) PP to submit details on socio economic impact of proposed project of surrounding habitation and methodology used to identify the impact.


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FINAL RECOMMENDATION

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

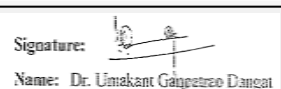
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151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

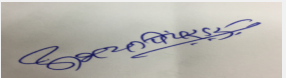
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Subject: Environment Clearance for Proposed 2.1 MTPA Ordinary Portland Cement (OPC) Grinding Unit at village Kolave, Taluka Pen, District Raigad, Maharashtra by JSW Cement Limited

Is a Violation Case: No


1.Name of Project	2.1 MTPA Ordinary Portland Cement (OPC) Grinding Unit by JSW Cement Limited at Village-Kolave, Taluka-Pen, Dist-Raigad, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Nilesh Narwekar
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	11, 12, 44, 45, 50
9.Taluka	Pen
10.Village	Kolave
Correspondence Name:	Mr. Manoj Rustogi
Room Number:	1
Floor:	3rd Floor
Building Name:	JSW Centre
Road/Street Name:	MMRDA Ground, Bandra Kurla Complex
Locality:	Bandra (East)
City:	Mumbai
11.Area of the project	Wadhkal Group Gram Panchayat, Raigad Zilla Parishad
12.IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area: 54633
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.)	36422 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 54632.56
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	3300000000

22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable as it is industrial project	Not applicable as it is industrial project	Not applicable as it is industrial project	
23.Number of tenants and shops	Not applicable as it is industrial project			
24.Number of expected residents / users	150 no.			
25.Tenant density per hectare	Not applicable as it is industrial project			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable as it is industrial project			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m			
29.Existing structure (s) if any	No			
30.Details of the demolition with disposal (If applicable)	No			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Ordinary Portland Cement	Nil	2.1 MTPA	2.1 MTPA
32.Total Water Requirement				


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Dry season:	Source of water	Water will be supplied by JSW steel through its existing source at Dolvi steel plant by laying a pipe line from source to destination
	Fresh water (CMD):	276
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	300 m3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	150 m3/day
	Excess treated water	-
Wet season:	Source of water	Water will be supplied by JSW steel through its existing source at Dolvi steel plant by laying a pipe line from source to destination
	Fresh water (CMD):	-
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	-
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	150 m3/day
	Excess treated water	-
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	0	100	150	0	150	150	0	0	0
Domestic	0	60	60	0	36	36	0	24	24
Gardening	0	60	60	0	60	60	0	0	0
Industrial Process	0	30	30	0	30	30	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3 m
	Size and no of RWH tank(s) and Quantity:	20 x 15 x 4, one no.
	Location of the RWH tank(s):	Inside the plant
	Quantity of recharge pits:	10 nos.
	Size of recharge pits :	2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 50 lakh
	Budgetary allocation (O & M cost) :	Rs. 3 lakh/year
	Details of UGT tanks if any :	Capacity of above ground water storage tank: 150 m3

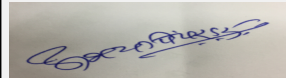
35.Storm water drainage	Natural water drainage pattern:	Open drainage all around the plant
	Quantity of storm water:	1.01 m3/sec
	Size of SWD:	750 mm x 500 mm

Sewage and Waste water	Sewage generation in KLD:	24 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	50 m3/day
	Location & area of the STP:	Inside the plant near canteen, Approx-2,000 sq. feet
	Budgetary allocation (Capital cost):	Rs. 30 Lakhs
	Budgetary allocation (O & M cost):	Rs. 60 Lakhs/annum

36.Solid waste Management


Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste will be mainly debris excavated earth.
	Disposal of the construction waste debris:	The construction waste will be used internally for filling and leveling of site.

Waste generation in the operation Phase:	Dry waste:	No solid waste will be generated from the manufacturing process. Other solid waste will be non hazardous in nature.
	Wet waste:	Nil
	Hazardous waste:	Approx 5 KL per annum spent oil/waste grease will be generated.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Domestic sewage sludge (approx 6.25 kg/day) will be utilized as organic manure for horticultural purposes
	Others if any:	Empty carboys/containers, torn plastic bags, plastic drums, polythene liners


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Mode of Disposal of waste:	Dry waste:	Will be sold to recyclers
	Wet waste:	Small quantities waste will be vermi composted and used in horticulture
	Hazardous waste:	will be sold to authorized recyclers
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Domestic sewage sludge (approx 6.25 kg/day) will be utilized as organic manure for horticultural purpose
	Others if any:	Returned to vendors for refilling and or sold to authorize recyclers
Area requirement:	Location(s):	Suitably located
	Area for the storage of waste & other material:	To be allocated close to the source of generation
	Area for machinery:	To be allocated
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 8 Lakhs
	O & M cost:	Rs. 2 Lakh per annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	3-12	6-8	5-9
2	SS	mg/lit	300	Less than 100	100
3	BOD	mg/lit	400	Less than 30	Less than 30
4	COD	mg/lit	1000	Less than 250	Less than 250
5	O & G	mg/lit	Less than 15	Less than 10	10
6	TDS	mg/lit	3000	Less than 2100	2100
7	Chloride	mg/lit	1500	Less than 600	600
8	Sulphate	mg/lit	1000	Less than 200	1000

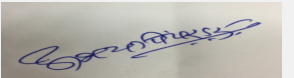
Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable as there is no effluent generation
Disposal of the ETP sludge	Not applicable as there is no effluent generation

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil and used grease	5.1 & 5.2	KL	0	50	50	To be sold to authorized recyclers


39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Cement mill	Not Applicable	1	50	3.60	70 degree celcius



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40.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable
41.Source of Fuel		Not Applicable		
42.Mode of Transportation of fuel to site		Not Applicable		
43.Green Belt Development	Total RG area :	4.5 Acres		
	No of trees to be cut :	None		
	Number of trees to be planted :	Approx 600 trees per acre		
	List of proposed native trees :	Peepal, Arjuna, Mango, Suru, Undi, Amla		
	Timeline for completion of plantation :	Within 3 years of plant commissioning		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus religiosa	Peepal	500	Higher pollution tolerance index
2	Terminalia arjuna	Arjuna	500	Higher pollution tolerance index
3	Mangifera indica	Mango	500	Higher pollution tolerance index
4	Casuarina equisetifolia	Suru	600	Higher pollution tolerance index
5	Mamea logifolia	Undi	-	Higher pollution tolerance index
6	Embelica officinalis	Amla	400	Higher pollution tolerance index
7	Terminalia arjuna	Arjun	-	Higher pollution tolerance index
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	Not Applicable	Not Applicable	Not Applicable	
47.Energy				


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Power requirement:	Source of power supply :	From 132 KV switchyard of JSW Steel Plant at Dolvi
	During Construction Phase: (Demand Load)	2 MVA
	DG set as Power back-up during construction phase	1 DG set - 2,000 kVA
	During Operation phase (Connected load):	15 kVA
	During Operation phase (Demand load):	14 MW
	Transformer:	One 10 MVA for cement mill operation, another 10 MVA standby
	DG set as Power back-up during operation phase:	1 x 2000 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

Solar pannel and solar light

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Pannel	> 2%

50. Details of pollution control Systems

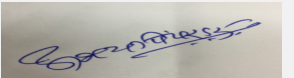
Source	Existing pollution control system	Proposed to be installed
Air	Not Applicable	Bag house, bag filters, chimneys, water sprinkling
Water	Not Applicable	STP
Noise	Not Applicable	Silencers, enclosures, ear muffs, admin control etc
Solid waste	Not Applicable	Reuse, incineration, vermin composting, sold to recyclers

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.150 lakh
	O & M cost:	Rs.10 lakh per annum

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	pH, colour, odour, turbidity, total hardness	0.80
2	Site sanitation	Disinfection	0.20
3	Environmental monitoring	Air, water, soil and noise monitoring	0.30


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4	Health check up	Monthly	0.50
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	APCD, water spraying, sheds and covering etc.	1,227.5	38.14
2	Water pollution control	STP (50 KLD), storm water management etc	250.0	7.95
3	Rain water harvesting	Channelizing and maintenance of rain water harvesting	50	3
4	Occupational health	Dispensary, ambulance, medicines, health check ups etc.	39.0	4.50
5	Environment management	Monitoring equipment, implementation of EMP, manpower etc.	63.5	25.4
6	Greenbelt development	Plantation along periphery, garden development, land scaping etc.	70.0	10.56

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
HSD	-	Ex plant	20 KL	20 KL	10 KL	IOCL	Road

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not applicable as its an industrial project
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	4,371 m2
	Area per car:	As it's an Industrial project trucks of different sizes will be used
	Area per car:	As it's an Industrial project trucks of different sizes will be used
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	3 to 4 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No critically polluted area, no national park / wildlife sanctuary within 10 km of the radius
	Category as per schedule of EIA Notification sheet	3 (b) B2 category
	Court cases pending if any	Not applicable
	Other Relevant Informations	We have submitted proposal to MoEF having file no. SIA/MH/IND2/72816/2018 on dated 8th February, 2018.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

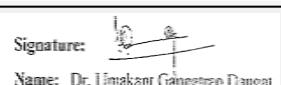
Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable



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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(b)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

SEAC-AGENDA-000000082

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.

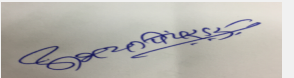
PP to submit prefeasibility report for the proposed project.

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

PP to carry out 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.


Specific Conditions by SEAC:

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
- 3) PP to submit details of ownership documents of the proposed site.
- 4) PP to submit clarification on the applicability of CRZ requirements.
- 5) PP to carry out life cycle analysis of the activities carried out on site with respect to the site selection, sustainability index, green house and ozone depletion potential etc
- 6) PP to include detailed material balance charts for each product along with process flow diagram showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 7) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 8) PP to include cumulative impact of proposed activity on the surrounding environment including ecology and biodiversity along with mitigation measures in the EIA report.
- 9) PP to carry out detailed radioactivity studies of the fly ash and its impacts on the surrounding environment along the route used for transportation of fly ash from the source till the proposed site.
- 10) PP to submit details of water source and waste water treatment and disposal. PP to submit water supply permission obtained from irrigation department along with agreement copy to lift the water from Amba river.
- 11) PP to include details of fugitive dust management in the EIA report.
- 12) PP to carry out traffic impact study and include it in the EIA report.
- 13) PP to submit detailed water balance calculations. PP to correct water consumption details given in the Sr. No. 33 of the consolidated statement.
- 14) PP to submit an undertaking for not damaging any mangroves during proposed development.
- 15) PP to carry out detailed survey and mapping of all trees existing on site. PP to obtain permission from competent authority and transplant the same trees in the premises under supervision of botanical expert. PP to include the same in the EIA report.
- 16) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site and General Condition as mentioned in the EIA Notification, 2006 are not applicable to the proposed project.
- 17) PP to submit details on socio economic impact of proposed project of surrounding habitation and methodology used to identify the impact.


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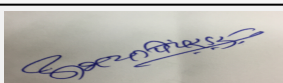
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FINAL RECOMMENDATION

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

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151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

SEAC Meeting number: 151 st (Day -3) Meeting Date May 25, 2018

Subject: Environment Clearance for Environment Clearance for Proposed Expansion of existing synthetic organic chemicals manufacturing facility.

Is a Violation Case: No

1.Name of Project	Proposed expansion of existing synthetic organic chemicals manufacturing facility, by Vasudha Chemicals Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Srinath Shetty
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Synthetic Organic Chemicals Manufacturing Industry
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Expansion of existing synthetic organic chemicals manufacturing facility.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable as proposed expansion is for synthetic organic chemicals manufacturing facility which was establish in 08/12/1989 Prior to EIA Notification of year 2006.
8.Location of the project	Plot No H -5 & H-13, MIDC Taloja, Panvel, Raigad, Maharashtra - 410 208
9.Taluka	Panvel
10.Village	MIDC Taloja
Correspondence Name:	Mr. Srinath Shetty
Room Number:	501
Floor:	5th Floor
Building Name:	Sai Ashish, A wing
Road/Street Name:	Balrajeshwar road
Locality:	Mulund (West)
City:	Mumbai- 400 080
11.Area of the project	Maharashtra Industrial Development Corporation- Taloja
12.IOD/IOA/Concession/Plan Approval Number	MIDC DC Rules.
	IOD/IOA/Concession/Plan Approval Number: EETWC58892 Dated: 23/08/2013 (Deputy Engineer MIDC Taloja)
	Approved Built-up Area: 1034.121
13.Note on the initiated work (If applicable)	Not Applicable as application pertains for proposed expansion of existing Synthetic Organic Chemicals Manufacturing Facility .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Industry Registration from Directorate of Industries vide No.: 11 12 80283 PMT SSI Dated: 08/12/1989
15.Total Plot Area (sq. m.)	3100 sq m
16.Deductions	0 Sq. mtr.
17.Net Plot area	3100 Sq. mtr.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 1034.121
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	15000000


22.Number of buildings & its configuration




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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops	Not applicable			
24.Number of expected residents / users	Not applicable			
25.Tenant density per hectare	Not applicable			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable			
29.Existing structure (s) if any	Proposed expansion will be carried out in existing facility.			
30.Details of the demolition with disposal (If applicable)	Not applicable			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Poly Glycols (PEG's)	50	400	450
2	Polysorbates of all grades	20	300	320
3	Non ionic emulsifiers & organic intermediates	20	100	120
4	Benzhydrol	20	100	120
32.Total Water Requirement				


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


33.Details of Total water consumed



Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	2.0	3.0	5.0	1.0	1.5	2.5	1.0	1.5	2.5
Industrial Process	0.1	0.1	0.2	0	0	0	0.1	0.1	0.2
Cooling tower & thermopack	17.7	27.1	44.8	15.5	24.0	39.5	2.2	3.1	5.3
Gardening	0	0	0	0	0	0	0	0	0


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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Not Applicable	
	Size and no of RWH tank(s) and Quantity:	Not Applicable	
	Location of the RWH tank(s):	Not Applicable	
	Quantity of recharge pits:	Not Applicable	
	Size of recharge pits :	Not Applicable	
	Budgetary allocation (Capital cost) :	Not Applicable	
	Budgetary allocation (O & M cost) :	Not Applicable	
	Details of UGT tanks if any :	Yes, UGT Tank for Water located at Utility Area	
35. Storm water drainage	Natural water drainage pattern:	Not Applicable	
	Quantity of storm water:	Not Applicable	
	Size of SWD:	Not Applicable	
Sewage and Waste water	Sewage generation in KLD:	2.5	
	STP technology:	Not Applicable as Sewage generated within site is soaked in soak pit, overflow if any is sent to CETP for further treatment & disposal.	
	Capacity of STP (CMD):	Not Applicable as Sewage generated within site is soaked in soak pit, overflow if any is sent to CETP for further treatment & disposal.	
	Location & area of the STP:	Not Applicable	
	Budgetary allocation (Capital cost):	Not Applicable	
	Budgetary allocation (O & M cost):	Not Applicable	
36. Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable	
	Disposal of the construction waste debris:	Not Applicable	
Waste generation in the operation Phase:	Dry waste:	Plastic waste bag - 10 kg/per month	
	Wet waste:	Not Applicable	
	Hazardous waste:	Category 34.3 Chemical sludge from waste water treatment : 0.180 TPA, Category 28.2 Spent catalyst / Spent carbon : 3.0 TPA	
	Biomedical waste (If applicable):	Not Applicable	
	STP Sludge (Dry sludge):	Not Applicable	
	Others if any:	Not Applicable	
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Mode of Disposal of waste:	Dry waste:	Sale to scrap dealer
	Wet waste:	Not Applicable
	Hazardous waste:	CHWTSDF & Reuse/ Recycle
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	Utility Area
	Area for the storage of waste & other material:	4 sq. m
	Area for machinery:	Utility Area
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NIL
	O & M cost:	0.2 Lakhs Per Annum



37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	-	6.88	5.5 to 9.0
2	SS	mg/l	-	72	100 mg/l
3	BOD	mg/l	-	88	100 mg/l
4	COD	mg/l	-	240	250 mg/l
5	TDS	mg/l	-	0	--
6	Oil & Grease	mg/l	-	Not Detected	10 mg/l
Amount of effluent generation (CMD):		8.0 cmd			
Capacity of the ETP:		Effluent Treatment Plant with total capacity of 8.5 cmd is provided to treat trade effluent generated.			
Amount of treated effluent recycled :		Not Applicable as Primary treated effluent is sent to CETP, Talaja for further treatment and disposal.			
Amount of water send to the CETP:		8.0 cmd after primary treatment sent to CETP for further Treatment.			
Membership of CETP (if require):		Yes, Industry is member of Talaja CETP Co. Op. Society Ltd.			
Note on ETP technology to be used		ETP with primary Treatment Facility is installed at site to treat overflow from Septic Tank and trade effluent. primarily treated effluent is sent to CETP for further treatment and disposal.			
Disposal of the ETP sludge		Chemical sludge from waste water treatment - disposal at CHWTSDF			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from Waste Water Treatment	34.3	TPA	0.120	0.060	0.180	CHWTSDF
2	Spent catalyst / Spent carbon	28.2	TPA	1.5	1.5	3.0	Reuse/ Recycle

39. Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (600 Kgs/hr)	LDO - 860 Lit/day	1	22 mtr	Not Available	Not Available
2	DG Sets 63 KVA	HSD - 360 Lit/day	1	As per statutory requirement.	Not Available	Not Available

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	200 Lit/Day	660 Lit/day	860 Lit/day.
2	HSD	0 Lit/Day	360 Lit/day	360 Lit/day
41.Source of Fuel		From Authorized Supplier		
42.Mode of Transportation of fuel to site		Through Road		

43.Green Belt Development	Total RG area :	50 Sq. Mtr.
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	6
	Timeline for completion of plantation :	Not Applicable

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



Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Will be provided in EIA	Will be provided in EIA	Will be provided in EIA	Will be provided in EIA

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Will be provided in EIA	Will be provided in EIA	Will be provided in EIA

47.Energy

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Power requirement:	Source of power supply :	The proposed power requirement for the expansion is 98 KVA which will be sourced from MSEDCL grid.
	During Construction Phase: (Demand Load)	98 KVA
	DG set as Power back-up during construction phase	1 No. 63 KVA
	During Operation phase (Connected load):	98 KVA
	During Operation phase (Demand load):	98 KVA
	Transformer:	details will be provided in EIA
	DG set as Power back-up during operation phase:	There is one emergency DG set at site its capacity is 63 KVA.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Will be provide in EIA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Will be provide in EIA	Will be provide in EIA

50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Air Pollution (Boiler & DG Set)	Adequate Stack Height with control measure as per CPCB Guidelines is provided	Adequate Stack Height with control measure as per CPCB Guidelines is provided
Water Pollution (Process, Utilities, Domestic)	Adequate capacity of ETP & disposal of effluent to CETP	Adequate capacity of ETP & disposal of effluent to CETP
Noise Pollution	Acoustic enclosure, PPE	Acoustic enclosure, PPE
Hazardous Waste	Sent to authorised Reuse/ Recycle & CHWTSDF for Disposal	Sent to authorised Reuse/ Recycle & CHWTSDF for Disposal

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Will be provide in EIA
	O & M cost:	Will be provide in EIA

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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(Chairman SEAC-I)**

1	ETP	pH, BOD, COD, TSS, oil & Grease	ETP - Rs.20,000.00 + 1,00,000 for neutralization facility to sent primary treated effluent at CETP
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	ETP	Effluent Treatment Plant with Capacity of 8.5 m3	ETP - Rs.20,000.00 + 1,00,000	--

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
Ethylene oxide	Existing	within plant	7.5	7.5	750	local market	by road truck/tankers
Di ethylene glycol	Existing	within plant	10	10	31.5	local market	by road truck/tankers
Di ethylene glycol	Proposed	within plant	10	10	31.5	local market	by road truck/tankers

52.Any Other Information

No Information Available

53.Traffic Management

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


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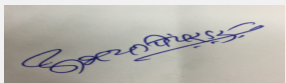

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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable as project is located in Taloja, MIDC Industrial Area.
	Category as per schedule of EIA Notification sheet	B, since plot is part of notified industrial area.
	Court cases pending if any	No. Not Applicable
	Other Relevant Informations	This Consolidated Statement is for TOR purpose.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-03-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 151 st (Day -3) Meeting Date: May 25, 2018	Page 75 of 99	Signature:  Name: Dr. Umakant Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

DECISION OF SEAC


During discusison it was noted that, PP has not amalgamated the pot No. H-5 and H-13, hence SEAC decided to defer the proposla till PP submits copies of amalgamation of both the plots.

Specific Conditions by SEAC:

FINAL RECOMMENDATION


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

SEAC-AGENDA-000000000002


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

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

151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

SEAC Meeting number: 151 st (Day -3) Meeting Date May 25, 2018


Subject: Environment Clearance for Application for Revalidation in Environment Clearance of Proposed facility for assembling and offloading of structures associated with offshore extraction of oil and natural gas in Rajpuri creek at village Rohini, Tal. Mhasala, Dis. Raigad, State. Maharashtra by DAS Offshores Engineering Pvt. Ltd. (DOEPL)

Is a Violation Case: No

1.Name of Project	Proposed facility for assembling and offloading of structures associated with offshore extraction of oil and natural gas in Rajpuri creek at Village Rohini, Tal. Mhasala, Dis. Raigad, State. Maharashtra by DAS Offshores Engineering Pvt. Ltd. (DOEPL)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashok. D. Khade - Director - DAS Offshores Engineering Pvt. Ltd (Oil and Gas Division)
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd , Plot F-7 Road No. 21, Wagle Estate, Thane(West)-400604, Maharashtra
5.Type of project	Ports, harbours, break waters, dredging
6.New project/expansion in existing project/modernization/diversification in existing project	Revalidation of Environment Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	There is no diversification or expansion in the project, we have received Environment Clearance having File No. SEAC-2011/CR.698/TC.2 dated 17.01.2012
8.Location of the project	Plot bearing Plot Nos. 70,71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 96,168 Rajpuri creek at Village Rohini, Taluka Mhasala, District Raigad State Maharashtra
9.Taluka	Mhasala
10.Village	Rohini
11.Area of the project	Group Gram Panchayat Village Rohini, Taluka Mhasala, District Raigad
12.IOD/IOA/Concession/Plan Approval Number	Lease deed between Maharashtra Maritime Board and DAS Offshores Engineering Pvt. Ltd (Oil and Gas Division) dated 09.06.2009
	IOD/IOA/Concession/Plan Approval Number: Lease deed between Maharashtra Maritime Board and DAS Offshores Engineering Pvt. Ltd (Oil and Gas Division) dated 09.06.2009
	Approved Built-up Area: 13600
13.Note on the initiated work (If applicable)	We have started work as per the Environment Clearance granted File No. SEAC-2011/CR.698/TC.2 dated 17.01.2012
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Lease deed between Maharashtra Maritime Board and DAS Offshores Engineering Pvt. Ltd (Oil and Gas Division) dated 09.06.2009
15.Total Plot Area (sq. m.)	3,40,500 sq.mt.
16.Deductions	-
17.Net Plot area	-
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): As per the sanction
	b) Non FSI area (sq. m.): As per the sanction
	c) Total BUA area (sq. m.): 13600
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	As per the sanction
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	As per the sanction
21.Estimated cost of the project	789735000

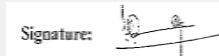
22.Number of buildings & its configuration

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


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23.Number of tenants and shops	Not Applicable - It is a Ports, harbours, break waters, dredgings type of project
24.Number of expected residents / users	Not Applicable - It is a Ports, harbours, break waters, dredgings type of project
25.Tenant density per hectare	Not Applicable - It is a Ports, harbours, break waters, dredgings type of project
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	DP road: 20 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per sanction
29.Existing structure (s) if any	No . We have started work as per the Environment Clearance granted File No. SEAC-2011/CR.698/TC.2 dated 17.01.2012 . Presently there is no any activity on site
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Steel Fabrication work like welding, cutting, blending and assembly brazing soldering barge making and repair	-	-	-


32.Total Water Requirement

Dry season:	Source of water	Supplied by pipeline								
	Fresh water (CMD):	15								
	Recycled water - Flushing (CMD):	35								
	Recycled water - Gardening (CMD):	Not Applicable								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	50								
	Fire fighting - Underground water tank(CMD):	Not Applicable								
	Fire fighting - Overhead water tank(CMD):	Not Applicable								
	Excess treated water	Not Applicable								
Wet season:	Source of water	Supplied by pipeline								
	Fresh water (CMD):	15								
	Recycled water - Flushing (CMD):	25								
	Recycled water - Gardening (CMD):	Not Applicable								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	50								
	Fire fighting - Underground water tank(CMD):	Not Applicable								
	Fire fighting - Overhead water tank(CMD):	Not Applicable								
	Excess treated water	Not Applicable								
Details of Swimming pool (If any)	Not Applicable									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	15	0	15	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Not Applicable
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	Natural water drainage pattern:	Not Applicable
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	Sewage generation in KLD:	40 m3/day
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	One STP having capacity of 50 m3/day
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	Rs.25 Lakh
	Budgetary allocation (O & M cost):	Rs.5 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Metal scrap
	Disposal of the construction waste debris:	Sale to authorized dealer
Waste generation in the operation Phase:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Spent/Used Oil : 10 TPA, Discarded cans of Oils, paints : 200 nos, Waste Paint drums, Rags etc : 3 TPA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Applicable
	Others if any:	Not Applicable


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Mode of Disposal of waste:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Used Oil : sold to CPCB /MPCB recognized Party, Discarded cans of Oils, paints : sold to MPCB authorized drum processor, Waste Paint drums, Rags etc : sent to CHWTSDF Talaja
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	Not Applicable
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

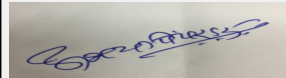

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent oil	5.1	TPA	10	0	10	CPCB /MPCB recognized Party
2	Discarded cans of Oils, paints	33.3	Nos. (TPA)	200	0	200	sold to MPCB authorized drum processor,
3	Waste Paint drums, Rags etc	21.1	TPA	3	0	3	sent to CHWTSDF Talaja


39. Stacks emission Details

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

40. Details of Fuel to be used


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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Applicable	Applicable	-	Applicable
41.Source of Fuel		As per requirement		
42.Mode of Transportation of fuel to site		Not applicable		
43.Green Belt Development	Total RG area :	We will develop a green belt having 50 m width around the project site to act as a buffer for the air and noise pollution		
	No of trees to be cut :	Not Applicable		
	Number of trees to be planted :	Provided		
	List of proposed native trees :	Applicable as per approval		
	Timeline for completion of plantation :	Applicable as per approval		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Applicable	Applicable	Applicable	Applicable
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	Not Applicable	Not Applicable	Not Applicable	
47.Energy				
Power requirement:	Source of power supply :	MSEDCL- Maharashtra State Electricity Distribution Company Ltd.		
	During Construction Phase: (Demand Load)	Not Applicable		
	DG set as Power back-up during construction phase	Provided		
	During Operation phase (Connected load):	-		
	During Operation phase (Demand load):	1,716 kW		
	Transformer:	Not Applicable		
	DG set as Power back-up during operation phase:	4 nos. x 125 kVA of DG set will be provided or DG set having capacity 550 kVA in case of power failure		
	Fuel used:	As per requirement		
	Details of high tension line passing through the plot if any:	Not Applicable		


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48. Energy saving by non-conventional method:

Wind/solar power will be used

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Wind/solar power will be used	>1%

50. Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.200 Lakh
	O & M cost:	Rs.25 Lakh/year

51. Environmental Management plan Budgetary Allocation**a) Construction phase (with Break-up):**

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

b) Operation Phase (with Break-up):

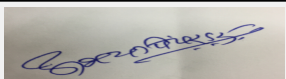
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	1 no. of STP having capacity 50m3/day	25	5
2	Wind/solar power	Engery conservation	200	25
3	Bund(water Harvesting)	Channelizing and maintenance of rain water harvesting	90	10
4	Socia-economic	Facilities nearby	50	15
5	Green belt	RG area development	20	5
6	Eco restoration fund	Maintenance	-	10
7	Environment Monitoring	Air, Water, Soil and Noise Monitoring	10	2

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information


No Information Available

53. Traffic Management


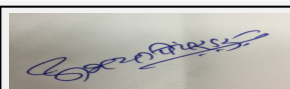
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	Nos. of the junction to the main road & design of confluence:	Applicable
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Provided as per sanction
	Area per car:	Provided as per sanction
	Area per car:	Provided as per sanction
	Number of 2-Wheelers as approved by competent authority:	Provided as per sanction
	Number of 4-Wheelers as approved by competent authority:	Provided as per sanction
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Provided as per sanction
	CRZ/ RRZ clearance obtain, if any:	CRZ clearance obtained from the MCZMA dated 07/12/2010 having File No. 11.95/2010-IA.III
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Applicable
	Category as per schedule of EIA Notification sheet	7(e)
	Court cases pending if any	Applicable, Civil appeal 3218/2015 in Supreme Court of India, Delhi



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**Dr. Umakant Dangat
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	<p>Other Relevant Informations</p>	<p>We had applied for the Revalidation of Environment Clearance validity. Our project is Proposed facility for assembling and offloading of structure associated with offshore extraction of oil and natural gas in Rajpuri creek at Village Rohini, Tal. Mhasala, Dist. Raigad, State Maharashtra by DAS Offshores Engineering Pvt. Ltd. (DOEPL). We have obtained Environment Clearance File No. SEAC-2011/CR.698/TC.2 dated 17.01.2012 We have also obtained CRZ Clearance from MCZMA File No. 11.95/2010-IA.III Dated 17.12.2010 We have submitted our application for revalidation to MoEF the obtained File No. is SIA/MH/MIS/17814/2012 dated 23.11.2016</p> <p>Project activity: The Proposed project envisages a facility for assembling and offloading of structures which are associated with offshore extraction of natural gas and oil. The Oil platform and rig modules are planned to be fabricated in the temporary sheds with specialized facilities for store, bracing, piping and assembly shops, fixed and mobile cranes for easy movements of the components. All the facilities are proposed to be developed over the reclaimed area of about 2,49,300 sq. Meter inter tidal area the boulders and disintegrated rocks are available from the nearby hills, which are approved by the revenue department as borrow areas. The final products are various types of structures forming parts of Oil Platform & Rigs. These are transported in mid-sea for installation. They are various structures such as Jackets, structures of Main Deck, Heli Deck & Piles. The components of oil rigs are very heavy/bulky and hence will be fabricated on site. Since jackets used on oil rigs are heavy, fabrication will be done on tracks and winches will be provided to pull the jackets.</p> <p>Proposed Facilities 1 Piping shop 50m x 30m 2 no 2 Brazing Shop 50m x 30m 1 no 3 Stores for materials/stock 100mx 300m 1 no</p> <p>Welding Facilities Welding machine Nos Description 1 60 Arc welding 2 5 CO2 welding 3 2 X-ray welding</p> <p>Components to be fabricated: Offshore Oil Rigs: 1 Jackets 1,100 T 2 Main Deck 500 T 3 Heli Deck 90 T 4 Piles 1,000 T</p> <p>In order to carry put the lifting, handling & placing of raw as well as fabricated components at the workshops or during loading / unloading operations adequate number of Cranes proposed to be provided are as given below: 1]Crawling crane on belt with capacity of 150 tons .1 no 2] Mobile cranes with capacity 60 Tons..... 2 no 3] Mobile cranes with capacity 20 Tons4 nos.</p>
	<p>Have you previously submitted Application online on MOEF Website.</p>	<p>Yes</p>
	<p>Date of online submission</p>	<p>23-11-2016</p>


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


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP informed that, they have applied for revalidation of Environment Clearance No.SEAC-2011/CR-698/TC-2 dated 17.01.2012 which is valid for seven years that is upto 16.01.2019. PP applied for revalidation well before the validity of their Environment Clearance on 23.11.2016 on MoEF web site vide No. SIA/MH/MIS/17814.


DECISION OF SEAC



Abhay Pimparkar (Secretary SEAC-I)

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


151st Meeting of State Level Expert Appraisal Committee (SEAC-I).

SEAC Meeting number: 151 st (Day -3) Meeting Date May 25, 2018

Subject: Environment Clearance for Proposed Establishment of Synthetic Organic Chemicals Manufacturing Facility By Aarav Fragrances & Flavors Pvt. Ltd., Plot No.: C-61, Road No. RC-1, Thane Belapur road, MIDC Pawane, Navi Mumbai


Is a Violation Case: No

1.Name of Project	Proposed Establishment of Synthetic Organic Chemicals Manufacturing Facility By Aarav Fragrances & Flavors Pvt. Ltd., Plot No.: C-61, Road No. RC-1, Thane Belapur road, MIDC Pawane, Navi Mumbai
2.Type of institution	Private
3.Name of Project Proponent	Aarav Fragrances & Flavors Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Establishment within existing project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable. Existing facility is for R & D, blending & formulation which does not falls under EIA notification, 2006.
8.Location of the project	Plot No.: C-61, Road No. RC-1, Thane Belapur road, MIDC Pawane, Navi Mumbai
9.Taluka	Navi Mumbai
10.Village	Navi Mumbai
Correspondence Name:	Mr. Shailesh Deshmukh
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	Mumbai
11.Area of the project	MIDC Pawane
12.IOD/IOA/Concession/Plan Approval Number	MIDC approved plot plan
	IOD/IOA/Concession/Plan Approval Number: MIDC Plot plan approval
	Approved Built-up Area: 1711
13.Note on the initiated work (If applicable)	Existing facility is for R & D, blending & formulation. Proposed project will be established within existing facility. The site is already constructed & minor modifications require for proposed project establishment.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approved plot plan
15.Total Plot Area (sq. m.)	4050 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 1711
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	25100000


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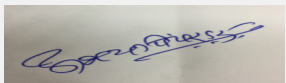
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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23. Number of tenants and shops	Not applicable		
24. Number of expected residents / users	Not applicable		
25. Tenant density per hectare	Not applicable		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 m		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable		
29. Existing structure (s) if any	Existing facility is for R & D, blending & formulation. The proposed project will be established with minor modification in existing facility.		
30. Details of the demolition with disposal (If applicable)	Not applicable		


31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Research and Development pilot plant	--	--	--
2	Blending / Formulation of fragrances / perfumes and flavors	80 TPM	--	80 TPM
3	Perfumery & Flavor Esters Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
4	Perfumery & Flavor Alcohol Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
5	Perfumery & Flavor Aldehyde and Aldehyde derivatives Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)


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6	Dimerization and Trimerization of simple olefins Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
7	Ketals / Acetals / substituted 1,3-propanediols Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
8	Macro cyclic and polycyclic musks derived from propylene/ butadiene and other propylene derivatives Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
9	Aldehydes & Ketones by Aldol Condensation Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
10	Acetylene and other alkyne derivatives Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
11	Cyclo Alkylation/Acetylation, Diel Alders Reactions: Cyclization Reaction, Etherification of Alkyl Halide and Alcohol, Epoxidation of Alkenes /Friedel Craft Reactions Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
12	Hydrogenation Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
13	Inorganic Salts (Low stream products)	--	50 TPM	50 TPM
14	Total	80 TPM	422 TPM	502 TPM

32.Total Water Requirement



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Dry season:	Source of water	MIDC
	Fresh water (CMD):	57
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	1	5	6	0	0	0	1	5	6
Industrial Process	6	13	19	1	1	2	5	12	17
Cooling tower & thermopack	0.5	23.5	24	0.5	16.5	17	0	7	7
Gardening	0	8	8	0	8	8	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	--
	Size and no of RWH tank(s) and Quantity:	adequate size of tank will be provided.
	Location of the RWH tank(s):	within plant
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	5 Lakhs
	Budgetary allocation (O & M cost) :	1 Lakhs
	Details of UGT tanks if any :	--
35.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	Sewage generation in KLD:	6
	STP technology:	--
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	No major construction waste, as project involves minor modification of existing unit.
	Disposal of the construction waste debris:	--
Waste generation in the operation Phase:	Dry waste:	Distillation Residue, Discarded containers/ barrels / liners, Contaminated Bags/ Cotton Rags, Spent Catalyst
	Wet waste:	Sludge and filters contaminated with oil, Waste residue containing oil, Spent acid, Used/ Spent oil, Chemical sludge from waste water treatment
	Hazardous waste:	Distillation Residue, Discarded containers/ barrels / liners, Contaminated Bags/ Cotton Rags, Spent Catalyst, Sludge and filters contaminated with oil, Waste residue containing oil, Spent acid, Used/ Spent oil, Chemical sludge from waste water treatment
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	--
	Others if any:	--

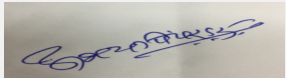
Mode of Disposal of waste:	Dry waste:	To CHWTSDF/ Sale to authorized recycler
	Wet waste:	To CHWTSDF/ Sale to authorized recycler
	Hazardous waste:	To CHWTSDF/ Sale to authorized recycler
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	--
	Others if any:	--
Area requirement:	Location(s):	within site
	Area for the storage of waste & other material:	as per requirement
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	4 to 6	6.5 to 9	6.5 to 9
2	Chemical oxygen Demand	mg/L	6000 to 7000	< 250	< 250
3	Biological oxygen demand	mg/L	2500 to 3000	< 100	< 100
4	Total Dissolved solids	mg/L	4000 to 6000	< 2100	< 2100
5	Total Suspended solids	mg/L	200 to 300	< 100	< 100
6	Oil & Grease	mg/L	20 to 30	, 10	< 10
Amount of effluent generation (CMD):		30 cmd			
Capacity of the ETP:		30 cmd			
Amount of treated effluent recycled :		Nil. Treated effluent will be sent to CETP for disposal.			
Amount of water send to the CETP:		30 cmd			
Membership of CETP (if require):		Yes. Unit is already member of CETP.			
Note on ETP technology to be used		Collection tank > O & G trap > Neutralization tank > Settling tank > Pri. clarifier > Aeration tank > Sec. clarifier > Pressure sand filter > Activated carbon filter > Treated effluent collection tank > Discharge to CETP			
Disposal of the ETP sludge		to CHWTSDF.			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge and filters contaminated with oil	3.1	kg/ month	100	3360	3460	To CHWTSDF
2	Used/Spent oil	5.1	kg/ month	2.4	2400	2402	Sale to authorized recycler
3	Waste residue containing oil	5.2	Ton/ month	0.1	12	12.1	Sale to authorized recycler
4	Distillation Residue	20.3	Ton/ month	--	16.2	16.2	Disposal to CHWTSDF


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5	Spent acid	26.3	Ton/ month	--	16	16	Sell to authorized recycler
6	Discarded containers/barrels /liners	33.1	No./ month	1	200	201	sale to authorized recycler (after decontamination)
7	Contaminated Bags/ Cotton Rags Etc	33.2	Ton/ month	--	6	6	Disposal to CHWTSDF
8	Chemical sludge from waste water treatment	35.3	Ton/ month	0.010	10	10.010	CHWTSDF
9	Spent Catalyst	A68/A71	Ton/ month	--	6	6	Disposal by sales to registered recycler or sent back to manufacturer.

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Baby boiler (existing)	Furnace oil- 400 Lit/ day	1	25	as per norms	as per norms
2	Thermopak (existing)	LDO: 300 Lit/ day	2	25	as per norms	as per norms
3	3 Nos. of 1 TPH baby boiler (Proposed)	Furnace oil: 4600 kg/ day Or LDO: 4400 kg/day Or NG: 6000 Nm3/day	3	Common stack- 33 m	0.4	300
4	3 Lac kcal/Hr Thermic Fluid Heater (Proposed)	Furnace oil: 1000 kg/day Or LDO: 900 kg/day Or NG: 1100 Nm3/day	4	30	0.2	180
5	125 KVA DG set (existing)	HSD: 200 Lit/ day	5	2.5 m above roof	as per norms	as per norms
6	500 KVA DG set (Proposed)	HSD: 2400 Lit/ day	6	4.5 m above roof	as per norms	as per norms
7	66 KVA DG set (Proposed)	HSD: 320 Lit/ day	7	2 m above roof	as per norms	as per norms
8	Process stack (Proposed)	--	8	as per norms	as per norms	as per norms


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	400 Lit/ Day	5600 Lit/ Day	6000 Lit/ day
2	LDO	260 kg/ Day	5300 Kg/ Day	5560 kg/ Day
3	Natural gas	--	7100 Nm3/ day	7100 Nm3/ day
4	HSD	200 Lit/ Day	2720 Lit/ day	2920 Lit/ Day
41.Source of Fuel		Nearby source		
42.Mode of Transportation of fuel to site		By road		


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43.Green Belt Development	Total RG area :	Green belt: 1500 sq.m.
	No of trees to be cut :	--
	Number of trees to be planted :	--
	List of proposed native trees :	--
	Timeline for completion of plantation :	--

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

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

45.Total quantity of plants on ground

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

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

47.Energy


Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	500 KVA
	DG set as Power back-up during construction phase	existing DG set
	During Operation phase (Connected load):	500 KVA
	During Operation phase (Demand load):	500 KVA
	Transformer:	--
	DG set as Power back-up during operation phase:	proposed 500 KVA DG set & 66 KVA DG set
	Fuel used:	Proposed additional fuel: HSD: 2720 Lit/ Day
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

--

49.Detail calculations & % of saving:

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


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50.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
Air pollution	Adequate Stack	Adequate stack
Water pollution	Effluent treatment plant	Effluent treatment plant
Hazardous waste generation	To CHWTSDF, Authorized recycler	To CHWTSDF, Authorized recycler
Noise pollution	Acoustic enclosure	Acoustic enclosure
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

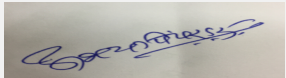
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	--	--	--

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Stack & Process scrubber	10	3
2	Water pollution control	ETP	28	5
3	Environment monitoring and management	Environment monitoring	5	2
4	Occupational health and safety	Occupational health and safety	--	5
5	Green belt / plantation development	Green belt maintenance	--	5
6	Hazardous waste and solid waste management	Hazardous waste disposal	6	10
7	Other Green initiatives	Rain water harvesting	5	1
8	Other Green initiatives	Solar power / LED	2	1


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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Furnace oil	Proposed	within plot	10 KL	10 KL	6 KL per Day	nearby source	by road
52. Any Other Information							
No Information Available							
53. Traffic Management							
	Nos. of the junction to the main road & design of confluence:	--					
Parking details:	Number and area of basement:	--					
	Number and area of podia:	--					
	Total Parking area:	300 sq.m					
	Area per car:	--					
	Area per car:	--					
	Number of 2-Wheelers as approved by competent authority:	--					
	Number of 4-Wheelers as approved by competent authority:	--					
	Public Transport:	--					
	Width of all Internal roads (m):	minimum 6 m					
	CRZ/ RRZ clearance obtain, if any:	Not applicable					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable					
	Category as per schedule of EIA Notification sheet	5 (f)- Category B					
	Court cases pending if any	Not applicable					
	Other Relevant Informations	The proposed products will be manufactured individual or in group within the quantity of 372 TPM. Total product (existing & proposed) : 502 TPM					
	Have you previously submitted Application online on MOEF Website.	Yes					
	Date of online submission	10-03-2016					
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS							


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Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes 30 KLD Effluent Treatment Plant.
Drainage pattern of the project	Not Applicable
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.
Solid Waste Management	PP proposes to dispose hazardous waste at CHWTSDF and sale to MPCB authorized vendors.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 500 KVA, which will be supplied by MSEDCL. PP also proposes to have 500 KVA and 66 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes to have six meter wide internal roads with nine meter turning radius.
Landscape Plan	PP proposes 33% green belt within the premises.
Disaster management system and risk assessment	PP included DMP in the EIA report.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs. 46.00 Lakh as capital cost and Rs. 32.00 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC



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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 137th meeting of SEAC-I held on 14th to 18th October, 2016 wherein ToR was granted.

PP submitted the EIA/EMP report for appraisal in the 145th meeting of SEAC held on 30.12.2017 wherein proposal was deferred till the submission of compliance of following points,

1. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt (along with species and quantity of the local trees existing and proposed; PP to use drip irrigation for the gardening purpose), rain water harvesting etc.
2. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
3. PP to submit list of individual products and raw material to be used with their quantities.
4. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5. PP to provide lightning arrestor.
6. PP to ensure flameproof electrical fittings in all the process and storage areas.

Now PP submitted compliance report of above points.

DECISION OF SEAC

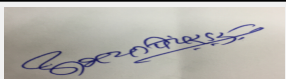
After detailed deliberation with PP and their accredited consultant, SEAC decided to recommend the proposal for prior environment clearance to the SEIAA subject to the compliance of following points.

Specific Conditions by SEAC:

- 1) PP to consider worst case scenario while designing all pollution control equipments.


FINAL RECOMMENDATION

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


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