

154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 154th ,Day-1 Meeting Date August 27, 2018

Subject: Environment Clearance for PROPOSED EXPANSION OF THE EXISTING UNIT TO PRODUCE MILD STEEL (INGOTS) & M.S. ROLLED BARS

Is a Violation Case: No

1.Name of Project	SHRI KARVEER NIVASINI MAHALAXMI ISPAT PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Jitendra Pukhraj Gandhi
4.Name of Consultant	Green Circle Inc.
5.Type of project	METALLURGICAL INDUSTRIES (FERROUS & NON FERROUS)
6.New project/expansion in existing project/modernization/diversification in existing project	PROPOSED EXPANSION OF THE EXISTING UNIT TO PRODUCE MILD STEEL INGOTS AND BARS/ SECTIONS .
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	ENVIRONMENTAL CLEARANCE IS OBTAINED VIDE NO. SEAC-2010/CR-463/TC-2
8.Location of the project	Plot No. A -6, A7/2, MIDC Gokul Shirgaon, Kolhapur
9.Taluka	KARVEER
10.Village	GOKULSHIRGAON
Correspondence Name:	SHRI KARVEER NIVASINI MAHALAXMI ISPAT PVT. LTD.
Room Number:	PLOT NO. A-6, A-7/2
Floor:	NA
Building Name:	NA
Road/Street Name:	MIDC GOKUL SHIRGAON
Locality:	MIDC GOKUL SHIRGAON
City:	MIDC GOKUL SHIRGAON
11.Area of the project	OTHER -MIDC GOKUL SHIRGAON
12.IOD/IOA/Concession/Plan Approval Number	MIDC GOKUL SHIRGAON IOD/IOA/Concession/Plan Approval Number: No. TB/G.S./A-7/2/D-17615/of 2013-MIDC Approved Built-up Area: 8631.11
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No. TB/G.S./A-7/2/D-17615/of 2013-MIDC
15.Total Plot Area (sq. m.)	Old (199783 + New 6712) Total = 26495 SQ.MTRS
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 0.32 b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 8631.11
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 14-10-2013
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	229600000

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	
2	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))	5 KM			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Available 6 mtr road			
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	M.S. CASTINGS (INGOTS)	2500	3000	5500
2	M.S. ROLLED BARS	4000	1200	5200
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) :	222
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	-
Wet 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) :	222
	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	20	12	32	10	6	16	10	2	12
Cooling tower & thermopack	50	120	170	0.0	0.0	0.0	0	0	0
Gardening	16	4	20	16	4	20	0	0	0



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	35
	Size and no of RWH tank(s) and Quantity:	1 M3 & 2 NOS. OF RAIN WATER HARVESTING TANKS
	Location of the RWH tank(s):	EAST SIDE AND WEST SIDE OF PLOT
	Quantity of recharge pits:	2
	Size of recharge pits :	1MX1MX1M TWO NOS. OF RECHARGE PITS PROPOSED
	Budgetary allocation (Capital cost) :	RS. 3 LAKHS
	Budgetary allocation (O & M cost) :	RS. 15000 PER ANNUM
	Details of UGT tanks if any :	NA
35.Storm water drainage	Natural water drainage pattern:	MIDC HAS PROVIDED DRAINAGE LINE FOR NATURAL WATER DRAINAGE
	Quantity of storm water:	30 M3
	Size of SWD:	800 MM
Sewage and Waste water	Sewage generation in KLD:	1.5
	STP technology:	SEPTIC TANK PROPOSED
	Capacity of STP (CMD):	1 NO. & 2 CMD
	Location & area of the STP:	NORTH SIDE
	Budgetary allocation (Capital cost):	RS. 5.5 LAKHS
	Budgetary allocation (O & M cost):	RS. 20000/- PER ANNUM
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	SLAG (IRON OXIDES)-200 MT/M, WASTE REFRACTORY- 50 MT/M, WASTE MILL SCALE- 100 MT/M
	Wet waste:	NA
	Hazardous waste:	EXISTING = 0.5 + PROPOSED USED/SPENT OIL- 1.6 KL/A Total =2.1 KL/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	75 KG/A
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	SALE/LAND FILLING
	Wet waste:	NA
	Hazardous waste:	SALE TO AUTHORIZED REPROCESSORS & RECYCLARS
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	USED AS MANURE
	Others if any:	NA
Area requirement:	Location(s):	PLOT NO. A-6, A-7/2 MIDC GOKUL SHIRGAON,KOLHAPUR
	Area for the storage of waste & other material:	100 SQ.MTR.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	mg/ltr	0	0	30
2	NA	mg/ltr	0	0	250
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			

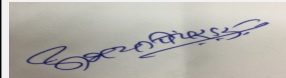
38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	USED/SPENT OIL	5.1	KL/A	0.5	1.6	2.1	SALE TO AUTHORIZED REPROCESSORS

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	ROLLING MILL FURNACE	COAL	1	31	0.6	312
2	INDUCTION FURNACE (8 TON)	ELECTRICITY	2	20	0.4	45
3	INDUCTION FURNACE (12 TON)	ELECTRICITY	3	31	0.6	65

40.Details of Fuel to be used



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Serial Number	Type of Fuel	Existing	Proposed	Total
1	COAL	300 MT/M	250 MT/M	550 MT/M
41.Source of Fuel		JAIGAD PORT		
42.Mode of Transportation of fuel to site		BY ROAD COVERED VEHICLES		
43.Green Belt Development	Total RG area :	5000 sqmtr		
	No of trees to be cut :	0		
	Number of trees to be planted :	(Existing 200 + Proposed 80 = Total = 280 No.s)		
	List of proposed native trees :	ASHOKA ,LIMB, CHINCH, VAD, MANGO ETC		
	Timeline for completion of plantation :	OCT-2019		
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	MANGO	10	NATIVE TREE WITH LOW MORTALITY RATE AND STURDY PLANT
2	AZADIRACHTA INDICA	NEEM	30	NATIVE TREE WITH LOW MORTALITY RATE AND STURDY PLANT
3	BARCHINIA CHINESIS	CHINCH	10	NATIVE TREE WITH LOW MORTALITY RATE AND STURDY PLANT
4	SARACA ASOCA	ASHOKA	150	NATIVE TREE WITH LOW MORTALITY RATE AND STURDY 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				


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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	9500 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	13375 KVA
	During Operation phase (Demand load):	9500 KVA
	Transformer:	EXISTING 5000 + PROPOSED 3500 = TOTAL 8500 KVA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

PROPOSED TO USE ENERGY EFFICIENT EQUIPMENT'S WITH STAR RATING TO SAVE ENERGY. ALSO PROPOSED TO USE LED FOR ENERGY SAVING.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED BULB FOR ENERGY SAVING.	25

50. Details of pollution control Systems

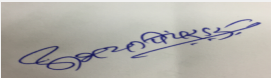
Source	Existing pollution control system	Proposed to be installed
ROLLING MILL FURNACE	DUST COLLECTOR WITH SUFFICIENT HEIGHT OF STACK PROVIDED	-
INDUCTION FURNACE (8 TON)	FUME EXTRACTION SYSTEM FOLLOWED BY DUST COLLECTOR PROVIDED	-
INDUCTION FURNACE (12 TON)	-	FUME EXTRACTION SYSTEM FOLLOWED BY WET SCRUBBER PROPOSED
STACK ATTACHED	COAL FIRED FURNACE	-

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	RS. 7 LAC
	O & M cost:	RS.0.7 LAC

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	0


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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	ROLLING MILL FURNACE	DUST COLLECTOR	@ RS. 15 LAKHS	@ RS. 1.5 LAKHS
2	INDUCTION FURNACE (8 TON)	FUME EXTRACTION SYSTEM	@ RS. 25 LAKHS	@ RS. 1.5 LAKHS
3	INDUCTION FURNACE (12 TON)	FUME EXTRACTION SYSTEM	@ RS. 50 LAKHS	@ RS. 2.5 LAKHS
4	STACK ATTACHED	COAL FIRED FURNACE	@ RS. 15 LAKHS	@ RS. 1.5 LAKHS

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:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	1
	Area per car:	4 SQ.MTR.
	Area per car:	4 SQ.MTR.
	Number of 2-Wheelers as approved by competent authority:	20
	Number of 4-Wheelers as approved by competent authority:	4
	Public Transport:	NA
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA


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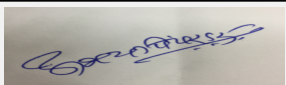
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	3(a)
	Court cases pending if any	NA
	Other Relevant Informations	APPLIED FOR PRIOR ENVIRONMENTAL CLEARANCE FOR EXPANSION OF STEEL PRODUCTS M.S. CASTINGS (INGOTS) - 4000 MT/M & M.S. ROLLED BARS- 2500 MT/M . PROPOSED .
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


Brief information of the project by SEAC

PP applied for prior Environment Clearance under category 3(a)B1 for obtaining ToR.


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DECISION OF SEAC

During deliberations it was observed that, MPCB has issued show cause notice to the PP for refusal of Consent to Operate for expansion for the violation of Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 on 07.06.2018.

In response to the above notice, PP has replied on 09.06.2018 and admitted that, they have initiated expansion activities in phased manner/stages as per the general practice/norms to match marketing and will accordingly become operational in stages with strict adherence to the parameters laid down in EC and C2E."

During discussion, PP was not able to explain what activities are initiated for expansion without obtaining prior Environment Clearance.

In view of above PP to submit detailed explanation & clarification whether there is any violation of EIA Notification, 2006. PP also to submit letter from the MPCB about final decision on the show cause notice dated 07.06.2018.

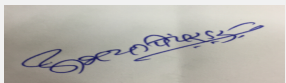
Hence, deferred.

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-00000000113


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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 154th ,Day-1 **Meeting Date** August 27, 2018

Subject: Environment Clearance for EC for proposed expansion of isolated storage terminal with additional storage tanks at Solapur Terminal

Is a Violation Case: No

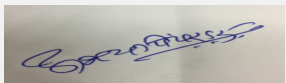
General Information: Venue: CSIR- National Chemical Laboratory (NCL)Guesthouse, Pashan Road, Pune- 411008,

1.Name of Project	EC for proposed expansion of isolated storage terminal with additional storage tanks at Solapur Terminal
2.Type of institution	Semi Government
3.Name of Project Proponent	INDIAN OIL CORPORATION LIMITED
4.Name of Consultant	Eco Chem Sales & Services, Surat, Gujarat
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Applied for EC with TOR application dated 3rd May, 2017. Existing EC is not applicable as Terminal is working prior EIA notification.
8.Location of the project	266/1, 266/2, 272, 273, 274, 275/A, 276, 291, 292/A, 294, 451/1, 457/2, 452
9.Taluka	Solapur North
10.Village	Pakni
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 249449
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.)	372311 m2 (i.e 92 Acres)
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.): Not applicable
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	3610000000

22.Number of buildings & its configuration


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

23.Number of tenants and shops Not Applicable


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24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Fire fighting facilities are available within premises and width of the road is 5 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	Storage tank farm, admin building, pump house, fire water storage tanks, bay (loading/unloading), TT parking area, roads, greenbelt, utility area,
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	Storage depot for petroleum products like HSD, MS, SKO, Ethanol, Biodiesel and ATF	22305 KL	138680 KL	160985 KL


32.Total Water Requirement

Dry season:	Source of water	Borewell
	Fresh water (CMD):	2
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	2
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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Wet season:	Source of water	Borewell
	Fresh water (CMD):	2
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	2
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	1.4	0	1.4	0	0	0	0	0	0
Gardening	0.6	0	0.6	0	0	0	0	0	0

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



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35.Storm water drainage	Natural water drainage pattern:	Not Applicable
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	Sewage generation in KLD:	1.4 KLD
	STP technology:	Not Applicable
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Used oil- 32 KL; Tank cleaning sludge-11.6 KL; Diesel filter- 28 nos.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Used oil- used for valve lubrication; Tank cleaning sludge- disposal through bioremediation; Diesel filter- Recycler/Scrape vendors
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	total plot area: 372311 m2 (i.e. 92 acres)
	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 Charecterestics		


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

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	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 Oil	5.1	KL	10	22	32	used for valve lubrication
2	Tank cleaning Sludge	3.3	KL	4.6	7	11.6	Disposed through bio remediation process
3	Diesel filters	3.3	Nos.	10	18	28	Recycler/scrape vendors

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	Proposed DG set (2 x 750 KVA)	HSD, 80 Ltr/Hr each	2 (1 for each)	11	0.15	403 K
2	Fire water Engine pumps (7 x 610 KLPH)	HSD, 70 Ltr/Hr each	7 (1 for each)	3	0.15	403 K

40.Details of Fuel to be used

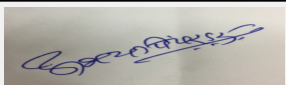

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	150 Ltr / Hr	650 Lt/hr	800 Lt/hr

41.Source of Fuel Within Premises

42.Mode of Transportation of fuel to site Pipeline

43.Green Belt Development	Total RG area :	Greenbelt Area: 122862 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	will be incorporated in EIA report
	List of proposed native trees :	will be incorporated in EIA report
	Timeline for completion of plantation :	will be incorporated in EIA report

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

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Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report

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 incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report

47.Energy

Power requirement:	Source of power supply :	MSEB
	During Construction Phase: (Demand Load)	will be incorporated in EIA report
	DG set as Power back-up during construction phase	will be incorporated in EIA report
	During Operation phase (Connected load):	1350 KW
	During Operation phase (Demand load):	1350 KW
	Transformer:	will be incorporated in EIA report
	DG set as Power back-up during operation phase:	2 x 750 KVA DG set as power backup
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Not Applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable

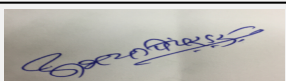
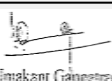
50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated 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
HSD	Liquid	tank farm	90070 KL	90070 KL	not applicable	Koyli Refinery, Vadodara Gujarat	Railway Wagons
HSD (B5)	Liquid	tank farm	8022 KL	8022 KL	not applicable	Koyli Refinery, Vadodara Gujarat	Railway Wagons
MS	Liquid	tank farm	24000KL	24000 KL	not applicable	Koyli Refinery, Vadodara Gujarat	Railway Wagons
SKO	Liquid	tank farm	8141 KL	8141 KL	not applicable	Koyli Refinery, Vadodara Gujarat	Railway Wagons
Ethanol	Liquid	tank farm	5332 KL	5332 KL	Not Applicable	Koyli Refinery, Vadodara Gujarat	Tankers
Biodiesel	Liquid	tank farm	1420 KL	1420 KL	Not Applicable	Koyli Refinery, Vadodara Gujarat	Tankers
ATF	Liquid	tank farm	24000 KL	24000 KL	Not Applicable	Koyli Refinery, Vadodara Gujarat	Tankers

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not Applicable
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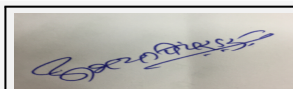
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	8100 m2
	Area per car:	will be incorporated in EIA report
	Area per car:	will be incorporated in EIA report
	Number of 2-Wheelers as approved by competent authority:	will be incorporated in EIA report
	Number of 4-Wheelers as approved by competent authority:	will be incorporated in EIA report
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	5 meter
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Protected areas are more than 15 Km from Project site
	Category as per schedule of EIA Notification sheet	6 (b), i.e. isolated storage and handling of hazardous chemicals- Category 'B'
	Court cases pending if any	No
	Other Relevant Informations	Proposal no.: SIA/MH/IND2/19299/2017 dated 03/05/2017 on MoEF website.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-05-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

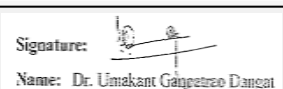
Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes to provide STP for the treatment of domestic sewage.
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 to provide STP for the treatment of domestic sewage.
Drainage pattern of the project	PP provided storm water drains as per contour on the site.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits on project site.



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Solid Waste Management	Hazardous waste will be disposed off by way of sale to the authorized vendor/recycler.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits on project site.
Energy Management	The electrical demand for proposed project is 1350 KW MW which will be supplied by MSEDCL. PP also proposes to have two numbers of 750 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP provided internal roads with six meter width and nine meter wide turning radius.
Landscape Plan	PP proposes to provide 33% green belt.
Disaster management system and risk assessment	PP prepared an On Site Emergency Plan and proposes adequate steps to handle an emergency.
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. 11.5 Lakh as capital cost and Rs. 6.7 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

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 139th meeting of SEAC-1 held on 29.06.2-17 where in ToR was granted.

Public Consultation was carried out as per requirements of EIA Notification, 2006.

DECISION OF SEAC

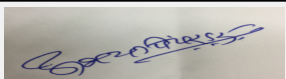
Based on the presentation made by PP; SEAC decided to recommend the proposal for prior Environment Clearance to the SEIAA for prior Environment Clearance.

Specific Conditions by SEAC:

- 1) PP to submit revised lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting pit/tank locations with dimensions, storm water drain lines, along with area statement showing calculations of each area and cross sections of storm water drain and rain water harvesting pits etc.
- 2) PP to submit copy of permission obtained from competent authority to draw ground water.
- 3) PP to prepare and implement the CER plan in consultation with the District Authority.


FINAL RECOMMENDATION

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


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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 154th ,Day-1 Meeting Date August 27, 2018

Subject: Environment Clearance for EC for proposed expansion of isolated storage terminal with additional storage tanks at Manmad Terminal

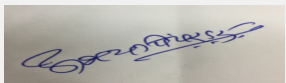
Is a Violation Case: No

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

1.Name of Project	EC for proposed expansion of isolated storage terminal with additional storage tanks at Manmad Terminal
2.Type of institution	Semi Government
3.Name of Project Proponent	INDIAN OIL CORPORATION LIMITED
4.Name of Consultant	Eco Chem Sales & Services, Surat, Gujarat
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Applied for EC with TOR application dated 28th April, 2017
8.Location of the project	26/A/7, 26/A/2, 26/A/3, 27/3A, 27(1+2)/1, 27/3B/7, 27/3B/2, 27/3B/3, 27/3B/8, 27/3B/6, 29/2B/7, 29/2A, 29/2D+3, 29/2K, 29/7/7, 30/6, 30/5A, 30/9A, 30/7, 30/2, 30/3+4, 30/5B, 30/9B, 30/7 (Pimpali), 37/2, 28, 37/2A/2, 3/3, 30/6, 27(1+2)/7, 37/7
9.Taluka	Nandgaon
10.Village	Nagapur
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area: 170880
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.)	262300 m2 (i.e. 64 Acres)
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.): Not applicable
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	2330000000


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
2	Not applicable	Not applicable	Not applicable


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23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Fire fighting facilities are available within the premises and width of the road is 5 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	Storage tank farm, admin building, pump house, fire water storage tanks, bay (loading / unloading), TT parking , Roads, Greenbelt, Utility Area, RWH tanks & Recharge pit
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	Storage depot for Petroleum products like HSD, MS, SKO, Ethanol, Biodiesel,	22376 KL	113850 KL	136226 KL


32.Total Water Requirement

Dry season:	Source of water	Borewell
	Fresh water (CMD):	17
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	17
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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Wet season:	Source of water	Borewell
	Fresh water (CMD):	17
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	17
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	11	0	11	0	0	0	0	0	0
Gardening	6	0	6	0	0	0	0	0	0

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


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

Sewage and Waste water	Sewage generation in KLD:	1 KLD
	STP technology:	Not applicable
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not applicable
	Disposal of the construction waste debris:	Not applicable

Waste generation in the operation Phase:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Used Oil-20 KL; Diesel Filters-18 nos.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable


Mode of Disposal of waste:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Used Oil - Authorized Recycler; Diesel Filters -Recycler/scrape vendors
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Area requirement:	Location(s):	Total Plot Area: 262300 m2 (i.e. 64 Acres)
	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 Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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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 Oil	5.1	KL	10	20	30	Authorized Recycler
2	Tank cleaning Sludge	3.3	MT	6.8	0	6.8	Disposed through Bio-degradation process
3	Diesel Filters	3.3	Nos.	10	18	28	Recycler/scrape vendors

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	Proposed DG set (2 x 750 KVA) As a backup during emergency,	HSD, 80 Ltr/Hr, each	2	11 (each)	0.15 (each)	403 K (each)
2	Fire water Engine pumps (7 x 610 KLPH)	HSD, 70 Ltr/Hr, each	7	3 (each)	0.15 (each)	403 K (each)

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	240 Ltr/Hr	650 Ltr/Hr	890 Ltr/Hr
41.Source of Fuel		Within Premises		
42.Mode of Transportation of fuel to site		Pipeline		

43.Green Belt Development

Total RG area :	91420 m2
No of trees to be cut :	Not applicable
Number of trees to be planted :	will be incorporated in EIA report
List of proposed native trees :	will be incorporated in EIA report
Timeline for completion of plantation :	will be incorporated 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
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1	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report
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 incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	
47.Energy				
Power requirement:	Source of power supply :	MSEB		
	During Construction Phase: (Demand Load)	will be incorporated in EIA report		
	DG set as Power back-up during construction phase	will be incorporated in EIA report		
	During Operation phase (Connected load):	1350 KW		
	During Operation phase (Demand load):	1350 KW		
	Transformer:	will be incorporated in EIA report		
	DG set as Power back-up during operation phase:	2 X 750 KVA DG set as power backup		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	No		
48.Energy saving by non-conventional method:				
Not Applicable				
49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures	Saving %		
1	Not Applicable	Not Applicable		
50.Details of pollution control Systems				
Source	Existing pollution control system	Proposed to be installed		
Not Required	Not Required	Not Required		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	will be incorporated in EIA report		
	O & M cost:	will be incorporated in EIA report		
51.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				


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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated 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
HSD	Liquid	tank farm	57940 KL	57940 KL	Not Applicable	Refinery	Pipeline
HSD (B5)	Liquid	tank farm	15000 KL	15000 KL	Not Applicable	Refinery	Pipeline
MS	Liquid	tank farm	57094 KL	57094 KL	Not Applicable	Refinery	Pipeline
SKO	Liquid	tank farm	4070 KL	4070 KL	Not Applicable	Refinery	Pipeline
Ethanol	Liquid	tank farm	1582 KL	1582KL	Not Applicable	Refinery	Tanker
Biodiesel	Liquid	tank farm	540 KL	540KL	Not Applicable	Refinery	Tanker

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not Applicable
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	330 m2
	Area per car:	will be incorporated in EIA report
	Area per car:	will be incorporated in EIA report
	Number of 2-Wheelers as approved by competent authority:	will be incorporated in EIA report
	Number of 4-Wheelers as approved by competent authority:	will be incorporated in EIA report
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Protected areas are more than 15 Km from Project site
	Category as per schedule of EIA Notification sheet	6 (b) Isolated Storage & Handling of chemicals (as per threshold planning)
	Court cases pending if any	No
	Other Relevant Informations	Proposal no.: SIA/MH/IND2/19272/2017 at MoEF website
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-04-2017

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 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 139th meeting of SEAC-1 held on 29.06.2-17 where in ToR was granted.

Public Consultation was carried out as per requirements of EIA Notification, 2006.

DECISION OF SEAC


Based on the presentation made by PP; committee decided to defer the proposal till PP submits the compliance of following points.

Specific Conditions by SEAC:

- 1) PP to submit revised lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting pit/tank locations with dimensions, storm water drain lines, along with area statement showing calculations of each area and cross sections of storm water drain and rain water harvesting pits etc.
- 2) PP to submit copy of permission obtained from competent authority to draw ground water.
- 3) PP to prepare and implement the CER plan in consultation with the District Authority.


FINAL RECOMMENDATION

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


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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 154th ,Day-1 **Meeting Date** August 27, 2018

Subject: Environment Clearance for EC for proposed expansion of isolated storage terminal with additional storage tanks at Manmad Terminal

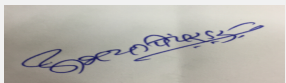
Is a Violation Case: No

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

1.Name of Project	EC for proposed expansion of isolated storage terminal with additional storage tanks at Manmad Terminal
2.Type of institution	Semi Government
3.Name of Project Proponent	INDIAN OIL CORPORATION LIMITED
4.Name of Consultant	Eco Chem Sales & Services, Surat, Gujarat
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Applied for EC with TOR application dated 28th April, 2017
8.Location of the project	26/A/7, 26/A/2, 26/A/3, 27/3A, 27(1+2)/1, 27/3B/7, 27/3B/2, 27/3B/3, 27/3B/8, 27/3B/6, 29/2B/7, 29/2A, 29/2D+3, 29/2K, 29/7/7, 30/6, 30/5A, 30/9A, 30/7, 30/2, 30/3+4, 30/5B, 30/9B, 30/7 (Pimpali), 37/2, 28, 37/2A/2, 3/3, 30/6, 27(1+2)/7, 37/7
9.Taluka	Nandgaon
10.Village	Nagapur
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area: 170880
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.)	262300 m2 (i.e. 64 Acres)
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.): Not applicable
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	2330000000


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
2	Not applicable	Not applicable	Not applicable


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23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Fire fighting facilities are available within the premises and width of the road is 5 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	Storage tank farm, admin building, pump house, fire water storage tanks, bay (loading / unloading), TT parking , Roads, Greenbelt, Utility Area, RWH tanks & Recharge pit
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	Storage depot for Petroleum products like HSD, MS, SKO, Ethanol, Biodiesel,	22376 KL	113850 KL	136226 KL


32.Total Water Requirement

Dry season:	Source of water	Borewell
	Fresh water (CMD):	17
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	17
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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Wet season:	Source of water	Borewell
	Fresh water (CMD):	17
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	17
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	11	0	11	0	0	0	0	0	0
Gardening	6	0	6	0	0	0	0	0	0

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


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

Sewage and Waste water	Sewage generation in KLD:	1 KLD
	STP technology:	Not applicable
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not applicable
	Disposal of the construction waste debris:	Not applicable

Waste generation in the operation Phase:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Used Oil-20 KL; Diesel Filters-18 nos.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable


Mode of Disposal of waste:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Used Oil - Authorized Recycler; Diesel Filters -Recycler/scrape vendors
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Area requirement:	Location(s):	Total Plot Area: 262300 m2 (i.e. 64 Acres)
	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 Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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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 Oil	5.1	KL	10	20	30	Authorized Recycler
2	Tank cleaning Sludge	3.3	MT	6.8	0	6.8	Disposed through Bio-degradation process
3	Diesel Filters	3.3	Nos.	10	18	28	Recycler/scrape vendors

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	Proposed DG set (2 x 750 KVA) As a backup during emergency,	HSD, 80 Ltr/Hr, each	2	11 (each)	0.15 (each)	403 K (each)
2	Fire water Engine pumps (7 x 610 KLPH)	HSD, 70 Ltr/Hr, each	7	3 (each)	0.15 (each)	403 K (each)

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	240 Ltr/Hr	650 Ltr/Hr	890 Ltr/Hr
41.Source of Fuel		Within Premises		
42.Mode of Transportation of fuel to site		Pipeline		

43.Green Belt Development

Total RG area :	91420 m2
No of trees to be cut :	Not applicable
Number of trees to be planted :	will be incorporated in EIA report
List of proposed native trees :	will be incorporated in EIA report
Timeline for completion of plantation :	will be incorporated 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
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1	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report
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 incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	
47.Energy				
Power requirement:	Source of power supply :	MSEB		
	During Construction Phase: (Demand Load)	will be incorporated in EIA report		
	DG set as Power back-up during construction phase	will be incorporated in EIA report		
	During Operation phase (Connected load):	1350 KW		
	During Operation phase (Demand load):	1350 KW		
	Transformer:	will be incorporated in EIA report		
	DG set as Power back-up during operation phase:	2 X 750 KVA DG set as power backup		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	No		
48.Energy saving by non-conventional method:				
Not Applicable				
49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures	Saving %		
1	Not Applicable	Not Applicable		
50.Details of pollution control Systems				
Source	Existing pollution control system	Proposed to be installed		
Not Required	Not Required	Not Required		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	will be incorporated in EIA report		
	O & M cost:	will be incorporated in EIA report		
51.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				


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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated in EIA report	will be incorporated 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
HSD	Liquid	tank farm	57940 KL	57940 KL	Not Applicable	Refinery	Pipeline
HSD (B5)	Liquid	tank farm	15000 KL	15000 KL	Not Applicable	Refinery	Pipeline
MS	Liquid	tank farm	57094 KL	57094 KL	Not Applicable	Refinery	Pipeline
SKO	Liquid	tank farm	4070 KL	4070 KL	Not Applicable	Refinery	Pipeline
Ethanol	Liquid	tank farm	1582 KL	1582KL	Not Applicable	Refinery	Tanker
Biodiesel	Liquid	tank farm	540 KL	540KL	Not Applicable	Refinery	Tanker

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not Applicable
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Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	330 m2
	Area per car:	will be incorporated in EIA report
	Area per car:	will be incorporated in EIA report
	Number of 2-Wheelers as approved by competent authority:	will be incorporated in EIA report
	Number of 4-Wheelers as approved by competent authority:	will be incorporated in EIA report
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Protected areas are more than 15 Km from Project site
	Category as per schedule of EIA Notification sheet	6 (b) Isolated Storage & Handling of chemicals (as per threshold planning)
	Court cases pending if any	No
	Other Relevant Informations	Proposal no.: SIA/MH/IND2/19272/2017 at MoEF website
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-04-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes to provide STP for the treatment of domestic sewage.
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 to provide STP for the treatment of domestic sewage.
Drainage pattern of the project	PP provided storm water drains as per contour on the site.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits on project site.


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Solid Waste Management	Hazardous waste will be disposed off by way of sale to the authorized vendor/recycler.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits on project site.
Energy Management	The electrical demand for proposed project is 1350 KW MW which will be supplied by MSEDCL. PP also proposes to have two numbers of 750 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP provided internal roads with six meter width and nine meter wide turning radius.
Landscape Plan	PP proposes to provide 33% green belt.
Disaster management system and risk assessment	PP prepared an On Site Emergency Plan and proposes adequate steps to handle an emergency.
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. 11.5 Lakh as capital cost and Rs. 6.7 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

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 139th meeting of SEAC-1 held on 29.06.2-17 where in ToR was granted.

Public Consultation was carried out as per requirements of EIA Notification, 2006.

DECISION OF SEAC

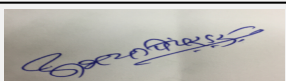
Based on the presentation made by PP; SEAC decided to recommend the proposal for prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

- 1) PP to submit revised lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting pit/tank locations with dimensions, storm water drain lines, along with area statement showing calculations of each area and cross sections of storm water drain and rain water harvesting pits etc.
- 2) PP to submit copy of permission obtained from competent authority to draw ground water.
- 3) PP to prepare and implement the CER plan in consultation with the District Authority.

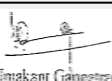
FINAL RECOMMENDATION

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


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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 154th ,Day-1 **Meeting Date** August 27, 2018

Subject: Environment Clearance for EC for Proposed Expansion of Isolated Storage Terminal with Additional storage tanks at IOCL Ahmednagar Depot, Vill. Akolner, Dist. Ahmednagar, Maharashtra-414007

Is a Violation Case: No

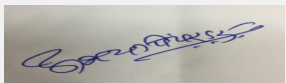
General Information: Venue: CSIR- National Chemical Laboratory (NCL)Guesthouse, Pashan Road, Pune- 411008,

1.Name of Project	EC for Proposed Expansion of Isolated Storage Terminal with Additional storage tanks at IOCL Ahmednagar Depot, Vill. Akolner, Dist. Ahmednagar, Maharashtra-414007
2.Type of institution	Semi Government
3.Name of Project Proponent	INDIAN OIL CORPORATION LIMITED (IOCL)
4.Name of Consultant	ECO CHEM SALES & SERVICES, SURAT, GUJARAT
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of isolated storage terminal with additional storage tanks within the existing facility at IOCL Ahmednagar Depot
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	As Depot is working prior EIA Notification; No Environmental Clearance obtained
8.Location of the project	Ahmednagar Depot, Survey No. 337, 338/2, 339/, 340, 357, 358, 359, 360,
9.Taluka	Ahmednagar
10.Village	Akolner
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 155370
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.)	223400 m2 (i.e.55 acre)
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.): Not applicable
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	2870000000

22.Number of buildings & its configuration


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

23.Number of tenants and shops Not applicable


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24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Fire fighting facilities are available within the premises; the width of the road is 7 mt.
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	Storage depot for Petroleum products like HSD, MS, SKO, ATF, Ethanol & Biodiesel	20261 KL	132698 KL	152959 KL


32.Total Water Requirement

Dry season:	Source of water	Borewell
	Fresh water (CMD):	9
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	9
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable


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Wet season:	Source of water	Borewell
	Fresh water (CMD):	9
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	9
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	1	3	4	0.05	0.01	0.06	0	0	0
Gardening	2	3	5	0	0	0	0	0	0
Industrial Process	0	0	0	0	0	0	0	0	0

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


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

Sewage and Waste water	Sewage generation in KLD:	0.06
	STP technology:	Not Applicable
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable
	Disposal of the construction waste debris:	Not Applicable

Waste generation in the operation Phase:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Details are given in Sr. No. 45
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable


Mode of Disposal of waste:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Details are given in Sr. No. 45
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not 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 Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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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 oil	5.1	KL/Annum	10	22	32	Use for valve lubrication
2	Tank Cleaning Sludge	3.3	KL/Annum	4.6	7	11.6	Bio Remediation process
3	Diesel filters	3.3	Nos./Annum	8	20	28	Recycler /Scrap vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing DG Set (1 x 380 KVA)	HSD; 200 L/month	1	3	0.15	403 K
2	Existing Fire water engine pumps (3 x 616 KLPH)	HSD; 1000 L/month	3 (one for each)	3	0.15	403 K
3	Proposed DG Set (2 x 750 KVA)	HSD; 80 L/Hr	2 (one for each)	11	0.15	403 K
4	Proposed Fire water engine pumps (7 x 610 KLPH)	HSD; 70 L/Hr	7 (one for each)	3	0.15	403 K

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	80 L/Hr	150 L/Hr	230 L/Hr
41.Source of Fuel		Within the premises		
42.Mode of Transportation of fuel to site		Within the premises		


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43.Green Belt Development	Total RG area :	68030 m2
	No of trees to be cut :	Will be incorporate in EIA
	Number of trees to be planted :	Will be incorporate in EIA
	List of proposed native trees :	Will be incorporate in EIA
	Timeline for completion of plantation :	Will be incorporate in EIA

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 incorporate in EIA	Will be incorporate in EIA	Will be incorporate in EIA	Will be incorporate 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 incorporate in EIA	Will be incorporate in EIA	Will be incorporate in EIA

47.Energy

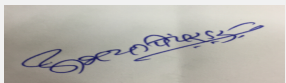
Power requirement:	Source of power supply :	MSEB Power grid
	During Construction Phase: (Demand Load)	Will be incorporate in EIA
	DG set as Power back-up during construction phase	Will be incorporate in EIA
	During Operation phase (Connected load):	1350 KW
	During Operation phase (Demand load):	1350 KW
	Transformer:	Will be incorporate in EIA
	DG set as Power back-up during operation phase:	2 X 750 KVA DG Set as power backup
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable


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50.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
Not Required	Not Applicable	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Will be incorporate in EIA
	O & M cost:	Will be incorporate in EIA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

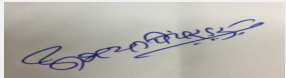
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Will be incorporate in EIA	Will be incorporate in EIA	Will be incorporate in EIA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Will be incorporate in EIA	Will be incorporate in EIA	Will be incorporate in EIA	Will be incorporate in EIA


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	Liquid	Tank farm	57940 KL	57940 KL	Not Applicable	Koyali Refinery, Vadodara, Gujarat	Railway Wagon
HSD (B5)	Liquid	Tank farm	9213 KL	9213 KL	Not Applicable	Koyali Refinery, Vadodara, Gujarat	Railway Wagon
MS	Liquid	Tank farm	62310 KL	62310 KL	Not Applicable	Koyali Refinery, Vadodara, Gujarat	Railway Wagon
SKO	Liquid	Tank farm	6212 KL	6212 KL	Not Applicable	Koyali Refinery, Vadodara, Gujarat	Railway Wagon
Ethanol	Liquid	Tank farm	1835 KL	1835 KL	Not Applicable	Koyali Refinery, Vadodara, Gujarat	Tanker
Biodiesel	Liquid	Tank farm	470 KL	470 KL	Not Applicable	Koyali Refinery, Vadodara, Gujarat	Railway Wagon


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ATF	Liquid	Tank farm	14979 KL	14979 KL	Not Applicable	Koyali Refinery, Vadodara, Gujarat	Railway Wagon
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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:	1728 m2
	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):	5 mtr -14 mtr
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Protected areas are more than 15 km from Project site
	Category as per schedule of EIA Notification sheet	6(b) i.e. Isolated Storage and Handling of Hazardous Chemicals - B Category
	Court cases pending if any	NO
	Other Relevant Informations	Proposal number for the online application on MoEF is SIA/MH/IND2/19273/2017
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-04-2017

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. PP proposes to provide STP for the treatment of domestic sewage.
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 to provide STP for the treatment of domestic sewage.
Drainage pattern of the project	PP provided storm water drains as per contour on the site.
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits on project site.
Solid Waste Management	Hazardous waste will be disposed off by way of sale to the authorized vendor/recycler.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits on project site.
Energy Management	The electrical demand for proposed project is 1350 KW MW which will be supplied by MSEDCL. PP also proposes to have two numbers of 750 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP provided internal roads with six meter width and nine meter wide turning radius.
Landscape Plan	PP proposes to provide 33% green belt.
Disaster management system and risk assessment	PP prepared an On Site Emergency Plan and proposes adequate steps to handle an emergency.
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. 11.5 Lakh as capital cost and Rs. 6.7 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

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 139th meeting of SEAC-1 held on 29.06.2-17 where in ToR was granted.

Public Consultation was carried out as per requirements of EIA Notification, 2006.

DECISION OF SEAC

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Based on the presentation made by PP; SEAC decided to recommend the proposal for prior Environment Clearance subject to the following conditions

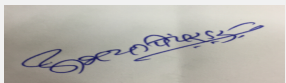
Specific Conditions by SEAC:

- 1) PP to submit revised lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting pit/tank locations with dimensions, storm water drain lines, along with area statement showing calculations of each area and cross sections of storm water drain and rain water harvesting pits etc.
- 2) PP to submit copy of permission obtained from competent authority to draw ground water.
- 3) PP to prepare and implement the CER plan in consultation with the District Authority.
- 4) PP to submit an affidavit stating status of court cases in various courts including Hon'ble NGT and give commitment that all possible mitigation measures will be undertaken to address pollution related issues.

FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000113


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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

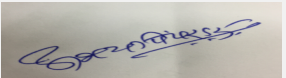
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Subject: Environment Clearance for Environmental Clearance for proposed Production Capacity enhancement of Unilex Colours And Chemicals Ltd.

Is a Violation Case: No


1.Name of Project	Unilex Colours And Chemicals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Narendra K.P.
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. E-10/2
9.Taluka	Palghar
10.Village	Salwad
Correspondence Name:	Mr. Narendra K. P.
Room Number:	106/107
Floor:	1st
Building Name:	Advent Atria
Road/Street Name:	Chincholi Bunder Road
Locality:	Malad (W)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 949.91
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.)	1275.00 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.): 949.91
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	20000000.00

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))	10 meter			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal roads of 5 m width are provided			
29.Existing structure (s) if any	Yes			
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	Beta Blue	24.80	100.00	124.80
2	Pigment Yellow - 12, 13, 14, 74, 83, 168, 191/Pigment Red - 3, 4, 8, 112, 48.2, 48.3, 12, 53.1, 57.1, 146,170/Pigment Orange - 05, 13, 34/Lemon Chrome/Middle Chrome/Pigment Green-7/Pigment Blue/Violet-27	00	40.0	40.0
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	1.0	1.5	2.5	0.2	0.3	0.5	0.8	1.2	2.0
Industrial Process	13.0	58.87	71.87	0.3	50.7	51.0	12.7	8.17	20.87
Cooling tower & thermopack	6.0	12.0	18.0	5.0	10.3	15.3	1.0	1.7	2.7
Gardening	0.5	0.5	1.0	0.5	0.5	1.0	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA	
	Size and no of RWH tank(s) and Quantity:	NA	
	Location of the RWH tank(s):	NA	
	Quantity of recharge pits:	NA	
	Size of recharge pits :	NA	
	Budgetary allocation (Capital cost) :	NA	
	Budgetary allocation (O & M cost) :	NA	
	Details of UGT tanks if any :	Fire fighting water tank of 50.0 KL capacity	
35.Storm water drainage	Natural water drainage pattern:	Storm water drains of adequate capacity will be provided	
	Quantity of storm water:	0.98 m3/hr.	
	Size of SWD:	The SWD will be designed as per the quantity of storm water to be received during the rainy season	
Sewage and Waste water	Sewage generation in KLD:	2.0	
	STP technology:	Sewage waste water will be treated in aeration tank of the effluent treatment plant	
	Capacity of STP (CMD):	NA	
	Location & area of the STP:	NA	
	Budgetary allocation (Capital cost):	NA	
	Budgetary allocation (O & M cost):	NA	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	No construction activities are involved hence such waste generation is not envisaged	
	Disposal of the construction waste debris:	No construction activities are involved hence generation and disposal of such wastes is not envisaged	
Waste generation in the operation Phase:	Dry waste:	Office waste such as papers and other domestic waste	
	Wet waste:	NA	
	Hazardous waste:	ETP sludge: 14.0 MT/A, Mechanical Evaporator Residue: 133.7 kg/day, Empty bags: 2.5 kg/M, Empty drums: 25 no./M, Empty Carboys: 35 no./M	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	NA	
	Others if any:	NA	
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Mode of Disposal of waste:	Dry waste:	Through local municipal waste disposal system
	Wet waste:	NA
	Hazardous waste:	ETP Sludge & Mechanical Evaporator Residue to Mumbai Waste Management Ltd. - CHWTSDF at Taloja and Empty bags, Empty drums, Empty carboys will be sold to authorized recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Dedicated hazardous waste storage area will be provided as per the project plot layout plan
	Area for the storage of waste & other material:	5.0 sq.m.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1,50,000.00
	O & M cost:	30,000.00

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	6.75	7.05	6-8.5
2	TDS	mg/l	1987.00	1901.00	<2100
3	BOD	mg/l	194.00	39.00	<100
4	COD	mg/l	600.00	136.00	<250
5	O&G	mg/l	4.0	BDL	<10
Amount of effluent generation (CMD):		23.57			
Capacity of the ETP:		20.0 CMD			
Amount of treated effluent recycled :		13.37 CMD			
Amount of water send to the CETP:		10.2 CMD			
Membership of CETP (if require):		Company is having membership of TIMA CETP Co-Op. Society Ltd.			
Note on ETP technology to be used		Existing: The domestic waste water is subjected to soak pit & the effluent from boiler, cooling tower blow down & process effluent is treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent is further sent to CETP. Proposed: The domestic waste water will be subjected to soak pit & the effluent from boiler & cooling tower blow down will be treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent will be sent to CETP and the			
Disposal of the ETP sludge		Mumbai Waste Management Ltd. - CHWTSDF at Taloja			

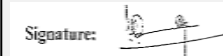
38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	35.3	kg/annum	2.8	11.2	14.0	Mumbai Waste Management Ltd. - CHWTSDF at Taloja
2	Mechanical Evaporator Residue	37.3	kg/day	--	133.7	133.7	Mumbai Waste Management Ltd. - CHWTSDF at Taloja


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3	Empty bags	33.1	kg/month	0.5	2.0	2.5	Sale to authorized recycler
4	Empty drums	33.1	number/month	5.0	20.0	25.0	Sale to authorized recycler
5	Empty carboys	33.1	number/month	7.0	28.0	35.0	Sale to authorized recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	4 lakh kilo calorie/hour Thermic fluid heater	Coal - 1792.00 kg/day	1	20.0	0.5	230.0
2	850 kg/hour steam boiler	Coal - 1716.9 kg/day	2	20.0	0.5	230.0
3	HCl. scrubber	--	3	4.0 (Above roof level)	0.3	--


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Indonesian coal	1505.7 kg/day	2003.2	3508.9 kg/day
41.Source of Fuel		Local vendor - Gurukrupa Enterprises, Surat		
42.Mode of Transportation of fuel to site		Road		

43.Green Belt Development	Total RG area :	3037 sq.m. (Adjacent to the project plot)
	No of trees to be cut :	NA
	Number of trees to be planted :	62
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleichera oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Trema orientalis, Callicarpa tomentosa, Neolamarckia cadamba, Pterospermum acerifolium
	Timeline for completion of plantation :	1 year after grant of environmental clearance

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	33	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	29	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltonia shcolaris	Saptaparni	23	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index

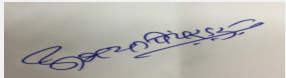

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4	Macaranga peltata	Chandwar	23	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleichera oleosa	Kusum	23	A native deciduous trees of forest tracts of Sahyadri ranges
6	Microcos paniculata	Shirali	23	A native evergreen medium sized tree of forest tracts of Sahyadri ranges
7	Terminalia elliptica	Ain	23	A native evergreen tree of forest tracts of Sahyadri ranges
8	Terminalia paniculata	Kindal	23	A native deciduous tree of forest tracts of Sahyadri ranges
9	Terminalia bellirica	Baheda	23	A native deciduous tree of forest tracts of Sahyadri ranges
10	Cordia dichotoma	Shelu	23	A native deciduous tree of forest tracts of Sahyadri ranges attracting large number of insects
11	Helicteres isora	Murudsheng	23	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
12	Holoptelea integrifolia	Ainsadada	23	A native deciduous tree of forest tracts of Sahyadri ranges
13	Butea monosperma	Palash	23	A native brilliantly flowering tree abundant the Palghar District visited by large number of birds
14	Oroxylum indicum	Tetu	23	A native ornamental tree
15	Erythrina suberosa	Pangara	23	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
16	Azadirachta indica	Kadulimb	23	A native evergreen tree capable of surviving in comparatively polluted environs
17	Dalbergia sissoo	Shisham	23	A native evergreen tree attracting large number of insects
18	Trema orientalis	Ghol	23	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index
19	Callicarpa tomentosa	Aiser	23	A native evergreen medium sized tree of forest tracts of Sahyadri ranges with hairy thick leaves having comparatively higher dust settling index
20	Neolamarckia cadamba	Kadamba	23	A native evergreen tree with tremendous blooms attracting large number of insects
21	Pterospermum acerifolium	Karnikar	23	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				


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

47. Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	456 KW
	During Operation phase (Demand load):	405 kVA
	Transformer:	500 kVA
	DG set as Power back-up during operation phase:	--
	Fuel used:	NA
	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
0.6 TPH Steam boiler	Stack of 20.0 m & Multi cyclone separator followed by scrubber	--
2 lakh kilo calorie/hour Thermic fluid heater	Stack of 20.0 m & Multi cyclone separator	--
4 lakh kilo calorie/hour Thermic fluid heater	--	Stack of 20.0 m height & Multi cyclone separator followed by Bag filter
850 kg/hour steam boiler	--	Stack of 20.0 m height & Multi cyclone separator followed by Bag filter
Process emissions	--	1 no. Hcl. Scrubber with a stack of 4.0 m above roof level



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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):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	Installation of stacks of 20.0 m height & Multi cyclone separator followed by Bag filter for 4 lakh kilo calorie/hour Thermic fluid heater & 850 kg/hour steam boiler and 1 no. HCl. scrubber	20.00	1.0
2	Water	Installation of Mechanical Evaporator of 15.0 KL	15.00	0.50
3	Noise	Development of acoustic enclosures & installation of shock absorbers & vibration absorbing pads	5.0	0.10
4	Occupational health	Purchase of PPE's and health check ups	4.5	0.50
5	Green belt	Development of green belt	7.09	1.44
6	Solid waste	Development of hazardous waste storage area & purchase of solid waste storage bags, containers	1.5	0.30


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
CPC	Solid	Shed	25.0	25.0	125.00	Local	Road
Caustic Soda	Solid	Shed	3.0	3.0	4.0	Local	Road
Gum rosin	Solid	Shed	4.0	4.0	4.5	Local	Road
Xylene	Liquid	Shed	200.00 l	200.00 l	200.00 l	Local	Road
Isobutyl alcohol	Liquid	Shed	400.00 l	400.00 l	400.00 l	Local	Road



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Additive -Pthalamide	Solid	Shed	1.0	1.0	1.5	Local	Road
Hydrochloric acid	Liquid	Shed	1000.00 l	1000.00 l	1000.00 l	Local	Road
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	NA					
Parking details:	Number and area of basement:	NA					
	Number and area of podia:	NA					
	Total Parking area:	153 sq.m.					
	Area per car:	NA					
	Area per car:	NA					
	Number of 2-Wheelers as approved by competent authority:	NA					
	Number of 4-Wheelers as approved by competent authority:	NA					
	Public Transport:	NA					
	Width of all Internal roads (m):	5.0					
	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	B1					
	Court cases pending if any	No					


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	Other Relevant Informations	<p>1. The existing steam boiler of 0.6 TPH & thermic fluid heater of 2 lakh kilo calorie/hour will be sale out after expansion.</p> <p>2. ETP treatment scheme: Existing: The domestic waste water is subjected to soak pit & the effluent from boiler, cooling tower blow down & process effluent is treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent is further sent to CETP. Proposed: The domestic waste water will be subjected to soak pit & the effluent from boiler & cooling tower blow down will be treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent will be sent to CETP and the effluent from manufacturing process will be totally recycled through Mechanical Evaporator. The industry will continue to dispose effluent (boiler& cooling tower blow down) to CETP as per the valid CTO. The effluent form manufacturing process will be totally recycled so that there is no additional load subjected to CETP disposal from the proposed expansion project.</p> <p>3. Green Belt related: The 33% of project plot area is 420.75 sq. m. however green belt will be provided in area of 3037.00 sq. m. adjacent to the project plot.</p>
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


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Any other issues related to environmental sustainability	Not Applicable
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Brief information of the project by SEAC

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

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

ToR was granted in the 146th meeting of SEAC-1 held on 30.01.2018.

Now PP submitted EIA/EMP reprot.

DECISION OF SEAC

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

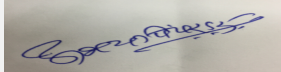

Specific Conditions by SEAC:

- 1) PP to submit design of Zero Liquid Discharge Effluent Treatment Plant.
- 2) PP to submit a technical report on how the proposed expansion with respect to the production quantity will be accommodated in the existing facility along with structural stability certificate of existing buildings/structures on the site.
- 3) PP to submit clarification on the better energy efficiency of the proposed equipment's in the expansion.

FINAL RECOMMENDATION

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

SEAC-AGENT/2000000113

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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 154th ,Day-1 Meeting Date August 27, 2018

Subject: Environment Clearance for Proposed Expansion Project of M/s D.R. Coats Ink & Resins Pvt. Ltd., located at Plot No : L-30, Additional Mahad MIDC, Amshet Village, Mahad, District Raigad, Mahatashtra.

Is a Violation Case: No

1.Name of Project	D.R. Coats Ink & Resins Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Yashashvi Drolia
4.Name of Consultant	Sadekar Enviro Engineers Pvt Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion for manufacturing of new products with existing resin blending activity.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance was not required , since company is engaged in formulation/blending of resins.
8.Location of the project	Plot No : L-30, Addl. Mahad MIDC
9.Taluka	Mahad
10.Village	Amshet
Correspondence Name:	Unit no. 203, New Sonal link industrial estate, Bld. No. 2, second floor, Link road, Malad (W), Mumbai-64
Room Number:	Unit no. 203
Floor:	second floor
Building Name:	New Sonal link industrial estate, Bld. No. 2
Road/Street Name:	Link road
Locality:	Malad (W)
City:	Mumbai-64
11.Area of the project	Addl. Mahad MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 7090.39
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.)	16675 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.): 7090.39
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	33000000


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))	9 meters			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable			
29.Existing structure (s) if any	Not applicable			
30.Details of the demolition with disposal (If applicable)	Not applicable			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Resin (Blending)	630	490	1120
2	Polyamides Resins	0	1300	1300
3	Ketonic Resin	0	10	10
4	Phenolic Resin	0	300	300
5	Acrylic Resin	0	1000	1000
6	Polyster Resin	0	1000	1000
7	Amino Resin	0	300	300
8	Polyurethane	0	1500	1500
9	Rosin Esters	0	300	300
10	Alkyd Resin	0	600	600
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	1.98	1.17	3.15	0.4	0.23	0.63	1.58	0.94	2.52
Industrial Process	1	1	2	0	0	0	1	6.12	7.12
Cooling tower & thermopack	5.54	41.32	46.86	4.92	36.46	41.38	0.62	4.86	5.48
Gardening	0	27.5	27.5	0	27.5	27.5	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA
35.Storm water drainage	Natural water drainage pattern:	Storm water drainage of adequate capacity will be provided
	Quantity of storm water:	10.35 M3/Hr
	Size of SWD:	The SWD will be designed as per the quantity of storm water expected to be received during rainy season
Sewage and Waste water	Sewage generation in KLD:	2.52
	STP technology:	Sewage from domestic activity will be treated in aeration tank of ETP.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste such as left off concrete, stone, aggregates, wooden piles, excavation material etc.
	Disposal of the construction waste debris:	The solid waste generated during construction phase will be disposed off through local body.
Waste generation in the operation Phase:	Dry waste:	Office waste such as paper and other domestic waste
	Wet waste:	NA
	Hazardous waste:	Chemical sludge from wastewater treatment : 1.45 MT/M, Used/ spent oil: 5 Kg/M, Discarded containers barrels/liners/ plastic bags/ PPE etc contaminated with hazardous chemicals /waste : 4800 Nos/M, Evaporation Residue from waste water treatment unit : 0.141 MT/D
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	E-Waste from office (as per Schedule 1 of E-waste management rule,2016) : 10 Kg/M, HDPE drums/Paper bags (Non-Contaminated) : 2000 Nos/M


Mode of Disposal of waste:	Dry waste:	Through local municipal waste disposal facility
	Wet waste:	NA
	Hazardous waste:	Chemical sludge from wastewater treatment & Evaporation Residue from waste water treatment unit will be disposed through CHWTSDF And Used/ spent oil, Discarded containers barrels/liners/ plastic bags/ PPE etc contaminated with hazardous chemicals /waste will be sold to MPCB authorized recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Sale to MPCB approved scrap dealer
Area requirement:	Location(s):	Dedicated area for storage of SHW is provided near to ETP
	Area for the storage of waste & other material:	20 sq.m.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2 Lakh
	O & M cost:	10.4 Lakh

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	4.5	6.5-7.5	6.5-7.5
2	COD	mg/l	15000	<250	<250
3	BOD	mg/l	6043	<100	<100
4	TDS	mg/l	1000	<1000	<2100
5	TSS	mg/l	200	<100	<100
Amount of effluent generation (CMD):		15.12 CMD			
Capacity of the ETP:		30 CMD			
Amount of treated effluent recycled :		It will be ZLD unit			
Amount of water send to the CETP:		It will be ZLD unit			
Membership of CETP (if require):		It will be ZLD unit			
Note on ETP technology to be used		Company will utilized existing ETP of 30 CMD capacity, comprises of Primary, Secondary & Tertiary treatment facility. addition to this installation of RO and Evaporator system will be done to achieve complete ZLD			
Disposal of the ETP sludge		Disposal of ETP sludge will be done through CHWTSDF			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from wastewater treatment	34.3	MT/M	0.2	1.25	1.45	Through CHWTSDF
2	Used/ spent oil	5.1	Kg/m	5	0	5	Through MPCB authorized recycler


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3	Discarded containers barrels/liners/ plastic bags/ PPE etc contaminated with hazardous chemicals /waste	33.1	Nos/M	4800	0	4800	Through MPCB authorized recycler
4	Evaporation Residue from waste water treatment unit	37.3	MT/D	0	0.141	0.141	Through CHWTSDF
5	E-Waste from office	as per Schedule 1 of E-waste management rule,2016	Kg/M	0	10	10	Through MPCB approved vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Common stack attached to Boiler & Thermopack	FO	01	30	0.4	150 Deg C
2	Stack Attached to DG set	HSD	02	3 m above roof	0.1	190 Deg C
3	Stack attached to scrubber	-	03	11	0.1	35 Deg C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO	0.96 KLD	1.99 KLD	2.95 KLD
2	HSD	25 L/Hr	8 L/hr	33 L/Hr


41.Source of Fuel Local Vendor

42.Mode of Transportation of fuel to site By Road

43.Green Belt Development	Total RG area :	5502.75 sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	786
	List of proposed native trees :	Neolamarckia cadamba, Callicarpa tomentosa, Trema orientalis, Dalbergia sissoo, Azadirachta indica, Erythrina suberosa, Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleicheria oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Dalbergia sissoo, Trema orientalis, Callicarpa tomentosa, Neolamar
Timeline for completion of plantation :	1.5 year sAfter grant of Environmental Clearance	

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
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1	Cassia fistula	Bahava	19	Native ornamental tree having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	19	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltonia shcolaris	Saptaparni	19	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index
4	Macaranga peltata	Chandwar	19	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleichera oleosa	Kususm	19	A native deciduous trees of forest tracts of Sahyadri ranges
6	Microcos paniculata	Shirali	19	A native evergreen medium sized tree of forest tracts of Sahyadri ranges
7	Terminalia elliptica	Ain	19	A native evergreen tree of forest tracts of Sahyadri ranges
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13	Holoptelea integrifolia	Ainasadada	19	A native deciduous tree of forest tracts of Sahyadri ranges
14	Butea monosperma	Palash	19	A native brilliantly flowering tree abundant the Palghar District visited by large number of birds
15	Oroxylum indicum	Tetu	19	A native ornamental Tree
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18	Dalbergia sissoo	Shisham	19	A native evergreen tree attracting large number of insects
19	Trema orientalis	Ghol	19	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index


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20	Callicarpa tomentosa	Aiser	19	A native evergreen medium sized tree of forest tracts of Sahyadri ranges with hairy thick leaves having comparatively higher dust settling 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	NA	NA	NA

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	50 KVA
	DG set as Power back-up during construction phase	200 KVA
	During Operation phase (Connected load):	135 KW
	During Operation phase (Demand load):	150 KVA
	Transformer:	135 KW
	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:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process Emissions	NA, Since it is only blending process	1 nos scrubber of 1000 CFM capacity will be installed
Boiler & Thermopack	Stack of 21 meter height is provided	Common stack of 30 meters height will be provided
D.G. Set	3 m above roof	3 m above roof


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	Air Emission	Dust Suppression	1
2	Water Environment	Existing sanitation facilities will be utilized	0
3	Solid Hazardous waste	Handling, transportation and disposal of non hazardous solid waste	1
4	Noise Environment	PUC certified vehicles etc, PPE	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Construction of common stack of 30 meters and Installation of new scrubber	18	2.5
2	Noise Environment	Noise Pollution Control, Installation of anti-vibration pads, & Enclosures.	1.2	0.25
3	Water Environment	Up gradation of existing ETP by installation of RO & Evaporator for treatment of RO reject.	45	3
4	Environment Monitoring & Management	Quarterly Environment Monitoring	0	3.5
5	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual healthmedical checkup of workers	3	0.7
6	Green Belt	Installation of water drip , Greenbelt development and its maintenance	3.065	2.225
7	Solid Waste Management	Solid Waste Management	2	10.4

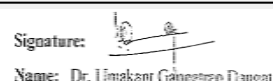
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)



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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Dimer Acid	Liquid	Tanks	60	60	778	Local	By Road
Ethylenediamine	Liquid	Drums	7.5	7.5	186	Local	By Road
Diethylenetriamine	Liquid	Drums	7.5	7.5	186	Local	By Road
Tetraethylenepentamine	Liquid	Drums	7.5	7.5	186	Local	By Road
Triethylenetetramine	Liquid	Drums	7.5	7.5	186	Local	By Road
Fatty Acid	Liquid	Tank	30	30	240	Local	By Road
Cyclohexanone	Liquid	Drums	2	2	5	Local	By Road
Paraformaldehyde	Solid	Bags	8	8	95	Local	By Road
Phenol	Liquid	Tank	30	30	243.66	Local	By Road
Rosin	Liquid	Drums	25	25	289	Local	By Road
Bisphenol-A	Solid	Bags	1	1	15	Local	By Road
Maleic Anhydride	Solid	Bags	12	12	160.75	Local	By Road
Pentaerythritol	Solid	Bags	1	1	9	Local	By Road
Oxalic Acid	Solid	Bags	0.1	0.1	0.99	Local	By Road
Acrylates	Liquid	Drums	2.9	2.9	75	Local	By Road
Methyl Methacrylate	Liquid	Drums	2.9	2.9	75	Local	By Road
Butyl Acrylate Monomer	Liquid	Drums	2.9	2.9	75	Local	By Road
N-butyl Methacrylate	Liquid	Drums	2.9	2.9	75	Local	By Road
2-Hydroxyethyl Methacrylate	Liquid	Drums	2.9	2.9	75	Local	By Road
Ethyl Acrylate	Liquid	Drums	2.9	2.9	75	Local	By Road
Methacrylates	Liquid	Drums	2.9	2.9	75	Local	By Road
Styrene	Liquid	Tank	25	25	173	Local	By Road
Xylene	Liquid	Tank	50	50	170.13	Local	By Road
Toluene	Liquid	Tank	25	25	170.13	Local	By Road
Cellosolve Acetate	Liquid	Tank	30	30	80	Local	By Road
Butyl Acetate	Liquid	Tank	30	30	80	Local	By Road
Solvent Naphtha	Liquid	Tank	25	25	80	Local	By Road
Initiators	Liquid	Carboy	0.5	0.5	5	Local	By Road
Pthalic Anhydride	Solid	Bags	20.5	20.5	354.75	Local	By Road
Isophthalic acid	Solid	Bags	10	10	128.75	Local	By Road
Poly Acid	Liquid	Drums	13.5	13.5	191.75	Local	By Road
Mono Glycol	Liquid	Drums	10	10	66.66	Local	By Road
Di Glycol	Liquid	Drums	10	10	66.66	Local	By Road
Poly Glycol	Liquid	Drums	10	10	66.66	Local	By Road
Benzoic Acid	Solid	Bags	2	2	42	Local	By Road
Solvent CIX	Liquid	Tank	30	30	98	Local	By Road
Butyl Cellosolve	Liquid	Tank	30	30	98	Local	By Road
Butanol	Liquid	Tank	30	30	56.66	Local	By Road
Octanol	Liquid	Tank	30	30	56.66	Local	By Road
Methanol	Liquid	Tank	25	25	56.66	Local	By Road
Melamine	Solid	Bags	2.5	2.5	33	Local	By Road
Urea	Solid	Bags	2.5	2.5	33	Local	By Road


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Epoxy Resins	Liquid	Drums	40	40	430	Local	By Road
Mineral Terpentine Oil	Liquid	Tank	50	50	90.13	Local	By Road
Benzyl Alcohol	Liquid	Drums	1	1	170	Local	By Road
C12-C14 / Ortho Cresol	Liquid	Drums	1	1	73.33	Local	By Road
Monoethylene Glycol	Liquid	Drums	8	8	180	Local	By Road
Diethylene Glycol	Liquid	Drums	8	8	180	Local	By Road
Terephthalic Acid	Liquid	Drums	8	8	180	Local	By Road
Adepic Acid	Liquid	Drums	8	8	180	Local	By Road
Methylene diphenyl diisocyanate	Liquid	Drums	1.33	1.33	30	Local	By Road
Toluene diisocyanate	Liquid	Drums	1.33	1.33	30	Local	By Road
Isophorone diisocyanate	Liquid	Drums	1.33	1.33	30	Local	By Road
Chain extender & cross linkers (Polypropylene Glycol)	Liquid	Drums	2	2	75	Local	By Road
Chain extender & cross linkers (1:4 Butanediol)	Liquid	Drums	2	2	75	Local	By Road
Chain extender & cross linkers (Neopentyl glycol)	Liquid	Drums	2	2	75	Local	By Road
Ethyl Acetate (Thinner)	Liquid	Tank	30	30	263	Local	By Road
Catalyst (TPP / TMP)	Liquid	Carboy	1	1	23	Local	By Road
Glycerin/ Penta Polyol	Liquid	Drum	5	5	115	Local	By Road
Vegetable Oil	Liquid	Drum	10	10	117	Local	By Road
C9 Solvent	Liquid	Tank	25	25	46.8	Local	By Road
White Spirit	Liquid	Tank	25	25	46.8	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	NA
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	1667.5 sq.m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f) Category : B-1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-02-2018


TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
5. Type of Project	Not Applicable	5 (f) Category B-1
10. Correspondence Name	Unit No. 203	Unit No. 230 & 231
10. Room Number	Unit No. 203	Unit No. 230 & 231
38. Amount of treated effluent recycled	It will be ZLD Unit	The effluent of 9.9 CMD will be send to CETP as per the valid CTO. The effluent from the expansion activity will be recycled within the plant totally


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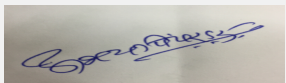

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38. Amount of water send to the CETP	It will be ZLD Unit	The effluent of 9.9 CMD will be send to CETP as per the valid CTO. The effluent from the expansion activity will be recycled within the plant totally
38. Membership of CETP	It will be ZLD Unit	The effluent of 9.9 CMD will be send to CETP as per the valid CTO. The effluent from the expansion activity will be recycled within the plant totally
38. Note on ETP Technology to be used	To achieve complete ZLD	To achieve ZLD for expansion project only
52. Storage of chemicals	The quantities of Raw Materials to be changed	The quantities of Raw Materials to be reduced

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge ETP. 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 Zero Liquid Discharge Effluent Treatment Plant.	
Drainage pattern of the project	PP provided storm water drains as per contour on the site.	
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits on the project site.	
Solid Waste Management	PP proposes to sale non - hazardous waste to the authorized vendors and dispose hazardous waste at CHWTSDF.	
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits on project site.	
Energy Management	The electrical demand for proposed project is 150 KVA which will be supplied by MSEDCL. PP also proposes to have 200 KVA DG set with HSD as a fuel.	
Traffic circulation system and risk assessment	PP provided 1667.5 Sq.m. area for parking with six meter wide roads and nine meter wide turning radius.	
Landscape Plan	PP proposes to provide 33% green belt.	
Disaster management system and risk assessment	PP prepared an On Site Emergency Plan and proposes adequate steps to handle an emergency.	
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.2.5 Lakh during construction phase and 62.00 Lakh as capital cost and Rs. 22.0 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.

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

Based on the presentation made by PP; committee decided to approve the TOR in their 149th meeting held on 04.04.2018 for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

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

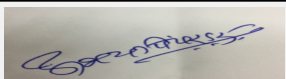
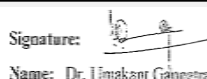
1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles and memorandum of association.
2. PP to submit lay out plan showing entry/exit gates, internal roads with minimum width of six meters and turning radius of nine meters, location of pollution control equipment, parking areas, 33% green belt within the premises, solid and hazardous waste storage areas, rain water harvesting etc.
3. PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
4. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5. PP to carry out HAZOP and Risk Assessment study and submit a Disaster Management Plan.
6. PP to submit details of the waste material management plan in the EIA report.
7. PP to submit details of the maximum storage of raw material against the production quantity and make changes in the product manufacturing quantity if storage is found inadequate on the site.
8. PP to submit process engineering design details like reactors and other process equipment design along with proposed process controls to ensure quality of the products.
9. PP to submit design details of the ETP to achieve Zero Liquid Discharge.
10. PP to submit CSR plan to be prepared in consultation with the District Authorities along with its implementation schedule. PP to maintain separate account for CSR funds.
11. PP to submit an undertaking for not having any eco sensitive area within the range of 5 KM from the proposed project site.

Now PP submitted EIA/EMP report.

The proposal was considered in the 153rd meeting of SEAC held on 30.06.2018 where in the proposal was deferred till submission of following points,

1. PP to submit documents related to collection of baseline data to establish the data was collected as per OM issued by MoEF&CC dated 29.08.2017
2. PP to ensure to complete Zero Liquid Discharge ETP within one year of the commissioning. PP to submit undertaking in this regard.
3. PP to submit revised life cycle analysis report mentioning sustainability index and proposed mitigation measures for environmental protection.

Now PP submitted the compliance of above points.

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DECISION OF SEAC

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


Specific Conditions by SEAC:

- 1) PP to take utmost care with respect to the safety and hygiene of the employees.
- 2) PP to provide new and renewable energy source for the illumination of office building and street lights.

FINAL RECOMMENDATION


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

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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

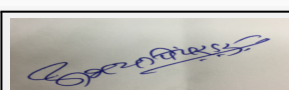
SEAC Meeting number: 154th ,Day-1 Meeting Date August 27, 2018

Subject: Environment Clearance for Stone Quarry for M/s Sagar Shivaji Pawar at the Gut No: 137 & 121 (Part), Village - Ambale, Taluka - Maval, District - Pune, Maharashtra.

Is a Violation Case: No

1.Name of Project	Shri Sagar Shivaji Pawar
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sagar Pawar
4.Name of Consultant	M/s. Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Schedule : 1 (a) Category : B2
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No: 137 & 121 (Part)
9.Taluka	Maval
10.Village	Ambale
Correspondence Name:	Shri Sagar Shivaji Pawar
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	At Post - Induri Kundmala, Taluka - Maval
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable. It is a minor mineral stone quarry. Approved Built-up Area:
13.Note on the initiated work (If applicable)	None
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC has been obtained from Gram Panchayat Ambale village for stone quarrying.
15.Total Plot Area (sq. m.)	5.20 hectares
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 (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	34000000


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	
2	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops	Not applicable			
24.Number of expected residents / users	The total workers at the quarry sites will be 13 individuals.			
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	Black Stone	--	23795.75	23795.75
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	--	1.00	1.00	-	0.20	0.20	--	0.80	0.80
Industrial Process	--	7.00	7.00	--	7.00	7.00	--	0.00	0.00
Gardening	--	4.00	4.00	--	4.00	4.00	--	0.00	0.00
Fresh water requirement	--	12.00	12.00	--	11.20	11.20	--	0.80	0.80


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	10 m below ground water
	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

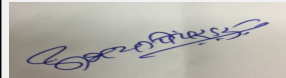
35.Storm water drainage	Natural water drainage pattern:	The slope of the area is towards South. The run-off will be maintained by providing garland drains around the quarry boundary to maintain the natural pattern.
	Quantity of storm water:	19120 m3 of storm water will be generated which will be drained off through garland drains.
	Size of SWD:	The run off will be connected to the garland drains.

Sewage and Waste water	Sewage generation in KLD:	0.8 KLD
	STP technology:	Not Applicable. Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	1.25 Lakhs
	Budgetary allocation (O & M cost):	20 thousand

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:	The top soil will be used for greenbelt development and the overburden of murrum will be backfilled in the pit itself.
	Wet waste:	Sludge generated from the septic tank
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable


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Mode of Disposal of waste:	Dry waste:	The top soil will be used for greenbelt development and the overburden of murrum will be backfilled in the pit itself.
	Wet waste:	Sludge generated from the septic tank will be used as a manure for gardening.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden will be back-filled in the mine pit area
Area requirement:	Location(s):	Overburden will be backfilled in the mine pit area of 1.542 hectares
	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	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

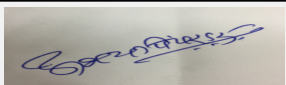
39. Stacks emission Details

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

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
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42.Mode of Transportation of fuel to site		Not Applicable		
43.Green Belt Development	Total RG area :	0.9869		
	No of trees to be cut :	Not Applicable		
	Number of trees to be planted :	975		
	List of proposed native trees :	Attached Below		
	Timeline for completion of plantation :	5 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	Heterophragma quadriloculare	Waras	100	A native deciduous tree visited by nectar feeding birds. Large leaf area helps in settling of dust.
2	Oroxylum indicum	Tetu	95	A native ornamental tree.
3	Nerium oleander	Kaner	100	A native hardy species, drought resistant with fragrant flowers.
4	Schleichera oleosa	Kusum	95	A native tree found in abundance in Sahyadris.
5	Terminalia elliptica	Ain	95	A native evergreen broad leaved tree common in the Sahyadris.
6	Catunaregum spinosa	Gela	100	Mountain Pomegranate is an armed shrub or small native evergreen tree
7	Butea monosperma	Palash	95	A native brilliantly flowering tree fed by local birds fairly common and abundant across the Pune District.
8	Erythrina variegata	Pangahara	95	A highly valued native ornamental tree.
9	Cassia fistula	Bahava	100	Native ornamental tree having flowers attracting bees and butterflies
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 :	MSEB.
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	120 hp
	During Operation phase (Demand load):	100 hp
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

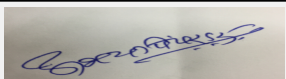
Not Applicable

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable


50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust Pollution	--	Sprinkling will be done on the haul roads. Mist spraying will be done to keep the stone wet to prevent escape of fugitive emissions. The approach roads will be black topped . A thick green belt will be maintained around the lease area and on both sides of the haul roads. The vehicle carrying the stone will be covered with tarpaulin sheets to prevent the escape of fugitive dust emissions. The closed conduit type of crusher will be provided with sprinkler arrangement to prevent the escape of fug
Noise Pollution	--	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise. Green belt will be developed around the quarry area
Solid waste pollution	--	The top soil will be used for green belt development , overburden in the form of murrum will be backfilled in the pit
Sewage Pollution	--	Septic tank followed by soak pit will be provided.


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Water Pollution	--	Garland drains will be provided to maintain proper drainage of storm water. A bund around the lease area will be built around the quarry area to prevent to flow of debris in the rainy season.
-----------------	----	---

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring Programme	Monitoring for ambient air, noise, surface water, ground water .	--	2.0 lakhs
2	Air Pollution	Black topping of approach roads, Sprinkling of water on quarry and haul roads	2.7 lakhs	0.5 lakhs
3	Air Pollution & Noise Pollution	Thick green belt development	0.75 lakhs	0.15 lakhs
4	Reclamation of pit area/ Overburden management	Afforestation will be done in the pit area	1.25 Lakhs	--
5	Sewage Pollution	Septic tank followed by soak pit will be provided	1.25 Lakhs	0.2 Lakhs
6	Water Pollution	Construction of Garland drain and stone hedge wall around the lease area.	1.75 Lakhs	0.5 Lakhs
7	Noise Pollution	Preventive Maintenance of all heavy machineries,	0.5 lakhs	0.1 Lakhs
8	Occupational health and safety	Periodic health check ups of workers and safety equipments	0.5 Lakhs	0.8 Lakhs


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

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


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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):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	There are no protected areas within 15 km of quarry site.
	Category as per schedule of EIA Notification sheet	Schedule 1 (a), Category B2.
	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	19-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable



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

SEAC-AGENDA-00000000113

PP submitted their proposal for the grant of Environmental Clearance under category 1(a)B2.

PP submitted PFR, Mining Plan and Form - 1 to the SEAC.

The proposal was considered in the 149th meeting of SEAC held on 07.04.2018 where in the proposal was deferred till submission of following points,

1. The mining plan produced by the PP is not clear and specific regarding various activities of the proposed mining. PP to submit revised mining plan approved by the competent Authority. All maps and drawings attached to the mining plan shall be signed by competent Authority.
2. PP to submit authenticate report from District Mining Officer in respect of cluster formation as mentioned in Notifications issued by MoEF&CC dated 15.01.2016 and 01.07.2016.
3. PP shall use Jack Hammer Drill along with controlled blasting for the mining activity.
4. PP to submit mining permission obtained from the District Collector.
5. PP to submit commitment on the time bound implementation plan for mitigation measures as suggested in the Environmental Monitoring Report.
6. PP to submit methodology to be used for closure of mine to be approved by the competent Authority.
7. PP to prepare CSR plan in discussion with District Authority along with implementation schedule. PP to maintain separate account for CSR funds.
8. PP to submit details of water source along with necessary permissions obtained from competent Authority.

Now PP submitted the compliance of above points.

DECISION OF SEAC

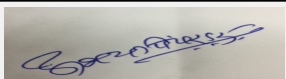
After deliberations with the PP and their consultant SEAC decided to defer the proposal till PP submit compliance of below mentioned points.

Specific Conditions by SEAC:

- 1) PP has not complied with the point No. 4 of earlier meeting: PP to submit details of water source along with necessary permissions obtained from competent Authority.
- 2) PP to submit garland drain drawing up to final storage of water along with the contour map.
- 3) PP to generate ticket for the proposed changes in the consolidated statement and ensure correctness of the information.


FINAL RECOMMENDATION

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


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154th Meeting of State Level Expert Appraisal Committee (SEAC-1)

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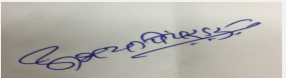
Subject: Environment Clearance for Proposed production capacity enhancement of Coatings & Coatings (India) Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Coatings & Coatings (India) Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Darshak Kantilal Bhayani
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Expansion, Schedule 5(f), Category -B1 under EIA Notification 2006
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. K -32, MIDC Addl. Ambernath , Tal. Ambernath, Dist. Thane
9.Taluka	Ambarnath
10.Village	Anand Nagar
Correspondence Name:	Mr. Darshak Kantilal Bhayani
Room Number:	104
Floor:	1st
Building Name:	Hill View Industrial Estate
Road/Street Name:	Amrut Nagar
Locality:	Ghtakopar
City:	Mumbai
11.Area of the project	MIDC - Additional Ambernath
12.IOD/IOA/Concession/Plan Approval Number	-- IOD/IOA/Concession/Plan Approval Number: -- Approved Built-up Area: 1487.02
13.Note on the initiated work (If applicable)	--
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	7893.00 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.): 1487.02
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): --
	Approved Non FSI area (sq. m.): --
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	--
21.Estimated cost of the project	47160000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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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))	10 m			
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	Existing plant for blending activities with ancillary facilities is present on project 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	Foundry Chemicals (Refractory Coatings)	1000.0 MT/A	--	1000.0 MT/A
2	Wood Coatings	1000.0 MT/A	--	1000.00 MT/A
3	Foundry Binders	--	22000.00 MT/A	22000.00 MT/A
32.Total Water Requirement				



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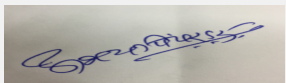


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Dry season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	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

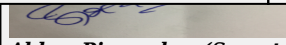
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	1.2	0.8	2.0	0.2	0	0.2	1	0.8	1.8
Industrial Process	2.3	2.3	4.6	1.5	0	1.5	0.8	10.74	11.54
Cooling tower & thermopack	3.5	99.5	103.0	1.9	84.1	86	1.6	15.4	17.0
Gardening	2.19	10.81	13.0	0	13.0	13.0	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:	--
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	--
	Budgetary allocation (O & M cost) :	--
	Details of UGT tanks if any :	Fire fighting water storage tank of 100 KL capacity
35.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	56.80 m3/hr. anticipated on the basis of secondary data from IMD
	Size of SWD:	Width = 0.45 m, Depth = 0.885 m, Length = 370 m, Capacity = 0.45 x 0.885 x 370 = 147.35 m3
Sewage and Waste water	Sewage generation in KLD:	1.8
	STP technology:	Sewage will be treated in aeration tank of ETP
	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:	Construction activities are not involved hence construction related waste generation is not anticipated
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	Dry wastes such as waste papers, stationery materials from administration office are anticipated
	Wet waste:	--
	Hazardous waste:	Chemical sludge from waste water treatment = 150.0 kg/M, Wastes & Residues (Paints) = 200.0 kg/M
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	--
	Others if any:	--
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Mode of Disposal of waste:	Dry waste:	Through local waste disposal system
	Wet waste:	--
	Hazardous waste:	Will be sent to Trans Thane Creek Waste Management Association - CHWTSDF at Mahape for further treatment & disposal
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	--
	Others if any:	--
Area requirement:	Location(s):	Dedicated hazardous waste storage area of 4.0 sq.m. will be provided
	Area for the storage of waste & other material:	Dedicated hazardous waste storage area of 4.0 sq.m will be provided
	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	--	6.63	7.19	6-8.5
2	TSS	mg/l	86.0	38.0	<2100
3	BOD	mg/l	706.0	39.0	<100
4	COD	mg/l	2400.0	80.0	<250
5	O & G	mg/l	2.4	0.6	<10
Amount of effluent generation (CMD):		29.54			
Capacity of the ETP:		Phenol recovery plant: 19 KLD, Distillation system/Evaporator = 15 CMD, ETP: 37 CMD, RO: 35 CMD			
Amount of treated effluent recycled :		Treated effluent recycled: 26.15 CMD, Boiler condensate recovery: 12.0 CMD			
Amount of water send to the CETP:		--			
Membership of CETP (if require):		Company is having membership of Ambarnath MIDC CETP Company Pvt. Ltd. (AMCCPL)			
Note on ETP technology to be used		Existing: The domestic waste water is subjected to soak pit & the effluent from boiler, cooling tower blow down & process effluent is treated in ETP of 10 CMD capacity comprising of primary, secondary & tertiary treatment scheme & treated effluent is reused. Proposed: Domestic waste water will be subjected to aeration tank of ETP & the effluent from manufacturing process (part will be sent to phenol recovery plant), boiler & cooling tower blow down will be treated in ETP of 35 CMD capacity follo			
Disposal of the ETP sludge		ETP sludge will be disposed off to Trans Thane Creek Waste Management Association - CHWTSDF at Mahape			

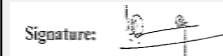
38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from waste water treatment	35.3	kg/M	15.0	135.0	150.0	Disposal to Trans Thane Creek Waste Management Association - CHWTSDF, Mahape


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2	Wastes & Residues (Paints)	21.1	kg/M	80.0	120.0	200.0	Disposal to Trans Thane Creek Waste Management Association - CHWTSDF, Mahape
3	Distillation system/Evaporator residue	37.3	kg/M	--	31.2	31.2	Disposal to Trans Thane Creek Waste Management Association - CHWTSDF, Mahape

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	850 kg/hour steam boiler	Furnace Oil -500 l/day	1	29.0	0.45	134 OC
2	850 kg/hour steam boiler	Furnace Oil -500 l/day	1	29.0	0.45	134 OC
3	850 kg/hour steam boiler	Furnace Oil-500 l/day	2	26.0	0.45	134 OC
4	850 kg/hour steam boiler	Furnace Oil-500 l/day	2	26.0	0.45	134 OC
5	160 kVA Diesel Generator	High Speed Diesel - 40 l/day	3	3.0 (Above roof level)	0.09	174 OC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace Oil	400.0 l/day	1600.0 l/day	2000.0 l/day
2	High speed diesel	40.0 l/day	100.0 l/day	140.0 l/day


41.Source of Fuel
Furnace Oil: Local supplier providing IOCL/HPCL make, High speed diesel: Local petrol pump

42.Mode of Transportation of fuel to site
Road

43.Green Belt Development	Total RG area :	2605.0 sq.m.
	No of trees to be cut :	--
	Number of trees to be planted :	311
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleicheria oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Trema orientalis, Pongamia pinnata, Neolamarckia cadamba, Pterospermum acerifolium, Dalbergia sissoo, Pongamia pinnata
Timeline for completion of plantation :	1 year after grant of environmental clearance	

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

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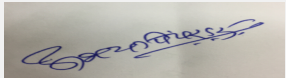

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1	Cassia fistula	Bahava	15	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	15	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Alstonia scholaris	Saptaparni	15	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index
4	Macaranga peltata	Chandwar	15	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleichera oleosa	Kusum	15	A native deciduous trees of forest tracts of Sahyadri ranges
6	Microcos paniculata	Shirali	15	A native evergreen medium sized tree of forest tracts of Sahyadri ranges
7	Terminalia elliptica	Ain	15	A native evergreen tree of forest tracts of Sahyadri ranges
8	Terminalia paniculata	Kindal	15	A native deciduous tree of forest tracts of Sahyadri ranges
9	Terminalia bellirica	Baheda	15	A native deciduous tree of forest tracts of Sahyadri ranges
10	Cordia dichotoma	Shelu	15	A native deciduous tree of forest tracts of Sahyadri ranges attracting large number of insects
11	Helicteres isora	Murudsheng	15	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
12	Holoptelea integrifolia	Ainsadada	15	A native deciduous tree of forest tracts of Sahyadri ranges
13	Butea monosperma	Palash	15	A native brilliantly flowering tree abundant the Thane District visited by large number of birds
14	Oroxylum indicum	Tetu	15	A native ornamental tree
15	Erythrina suberosa	Pangara	15	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
16	Azadirachta indica	Kadulimb	15	A native evergreen tree capable of surviving in comparatively polluted environs
17	Dalbergia sissoo	Shisham	15	A native evergreen tree attracting large number of insects
18	Trema orientalis	Ghol	15	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index
19	Pongamia pinnata	Karanj	15	A native deciduous tree well suited to intense heat and sunlight and drought tolerant
20	Neolamarckia cadamba	Kadamba	15	A native evergreen tree with tremendous blooms attracting large number of insects


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21	Pterospermum acerifolium	Karnikar	11	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation
----	--------------------------	----------	----	--

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	268 kW
	During Operation phase (Demand load):	252 kVA
	Transformer:	315 kVA
	DG set as Power back-up during operation phase:	1 x 160 kVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

--

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
1 x 400 kg/hr. steam boiler	Common of stack of 18 m height	--
2 x 850 kg/hr. steam boliers	Common stack of 18 m height	Stack 1: Common stack of 29 m for 2 boilers of 850 kg/hr.



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2 x 850 kg/hr. stem boilers	--	Stack 2: Common stack of 26 m for 2 boilers of 850 kg/hr.
1 x 160 kVA D.G set	Stack of 3.0 m height (above roof level)	--

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	Stack 1: New common stack of 29 m for 2 boilers of 850 kg/hr. Stack 2: New common stack of 26 m for 2 boilers of 850 kg/hr.	30.0	0.7
2	Water	Up gradation of existing ETP to 37 CMD capacity & installation of Phenol recovery plant of 19 KLD, Distillation system/Evaporator of 15 CMD capacity and R.O system of 35 CMD	140.0	22.0
3	Noise	Purchase of PPE's (ear plugs) for additional work force	--	0.1
4	Occupational health	Purchase of PPS's and health check ups	1.0	2.0
5	Green belt	Development & maintenance of green belt	5.10	2.51
6	Solid waste	Development of hazardous waste storage area & purchase of waste storage bags & containers	3.5	0.5

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


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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Formaldehyde	Liquid	Tank farm	20 + 25	25	400	Local	Tanker
Phenol	Liquid	Tank farm	100	60	550	Local/Import	Tanker
Oxalic acid	Solid	RM storage area	0.050	5	5	Local	Tanker
NaOH Lye	Liquid	RM storage area	0.2	10	50	Local	Tanker
Urea	Solid	RM storage area	0.050	5	20	Local	Truck
Silane	Liquid	RM storage area	0.2	1.6	5	Local	Truck
Methanol	Liquid	Tank farm	23	16	156	Local	Tanker
Ethanol	Liquid	Tank farm	23	10	20	Local	Truck
Paraformaldehyde	Solid	RM storage area	0.025	10	60	Local	Truck
N- hexane	Liquid	Tank farm	19.5	10	60	Local	Tanker
Aromax (Remax)	Liquid	Tank farm	27	20	91	Local	Tanker
Hexamine	Solid	RM storage area	0.050	18	75	Local	Truck
Methane diisocyanate	Liquid	Drum	0.250	20	100	Import	Container
Tri acetin	Liquid	RM storage area	0.240	20	60	Import	Container
Boric acid	Solid	RM storage area	0.050	0.1	0.5	Local	Truck
Butyl carbitol	Liquid	RM storage area	0.200	1	6	Local	Truck
Calcium stearate	Soild	RM storage area	0.025	6	25	Local	Truck
Caustic potash	Soild	RM storage area	0.050	6	25	Local	Truck
Dibasic ester	Liquid	RM storage area	0.220	20	40	Import	Container
Furfuryl alcohol	Liquid	RM storage area	0.240	40	150	Import	Container
Pine oil	Liquid	RM storage area	0.190	1	2	Local	Truck
Para Toluene Sulfonic Acid	Liquid	RM storage area	0.225	18	125	Local	Truck
Pyridine	Liquid	RM storage area	0.200	1	13	Local	Truck
Triethylamine	Liquid	RM storage area	0.150	10	40	Local	Tanker
Zinc acetate	Solid	RM storage area	0.050	0.1	1	Local	Truck


52.Any Other Information

No Information Available

53.Traffic Management

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

--


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Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	372.0 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):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	--
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	No
	Other Relevant Informations	1. one existing boiler of 400 kg/hr along with existing stack of 18.0 m will be sold out for expansion
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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



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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 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

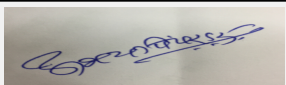
As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

PP 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.


DECISION OF SEAC



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

Specific Conditions by SEAC:

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
- 4) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 5) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 6) PP to submit a technical report on how the proposed expansion with respect to the production quantity will be accommodated in the existing facility along with structural stability certificate of existing buildings/structures on the site.
- 7) PP to submit an undertaking for not violating any requirement of EIA Notification, 2006.
- 8) PP to prepare and implement CER activities in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018
- 9) PP to provide new and renewable energy sources for the illumination of the office building and street lights.
- 10) PP to provide lightening arrester.
- 11) PP to submit revised Form-I.

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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