

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

SEAC Meeting number: 149th Day-1 Meeting Date April 2, 2018

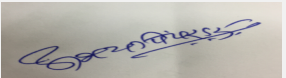
Subject: Environment Clearance for TOR- 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk

Is a Violation Case: No

1.Name of Project	Bal Pharma Limited
2.Type of institution	TOR
3.Name of Project Proponent	Shailesh Siroya
4.Name of Consultant	Not Applicable For TOR
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	Expansion
8.Location of the project	549/1, 523/1A, 529/943
9.Taluka	Kavathemhankal
10.Village	THabadewadi
Correspondence Name:	Mr. Gatade
Room Number:	NA
Floor:	NA
Building Name:	Bal Pharma Limited
Road/Street Name:	Jat Kavathemhankal Raod
Locality:	Thabadewadi
City:	Kavathemhankal
11.Area of the project	Gramapanchayat
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 767
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC
15.Total Plot Area (sq. m.)	Not Applicable
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	35000000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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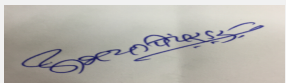

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Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

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))	NA		
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	N-CarbomethoxyToluenesulfonamide Ester	550 Kg/m	5000 Kg/M	5550 Kg/M
2	Diphenhydramine base	0	550 Kg/M	550 Kg/M
3	Gliclazide	0	4000 Kg/M	4000 Kg/M
4	Ebastine	0	100 Kg/M	100 Kg/M
5	Mizolastine	0	10 Kg/M	10 Kg/M
6	Etizolam	0	10 Kg/M	10 Kg/M
7	Baclofen	0	100 Kg/M	100 Kg/M
8	Pregablin	0	1500 Kg/M	1500 Kg/M
9	Topiramate	0	150 Kg/M	150 Kg/M
10	Tenelegliptin	0	150 Kg/M	150 Kg/M
11	Intermediates of Bepotastine	0	250 Kg/M	250 Kg/M
12	Benzydamine Tech Satge	0	600 Kg/M	600 Kg/M

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	1.5	3.5	5.0	0.3	0.7	1.0	1.2	2.8	4.0
Industrial Process	0.5	2.0	2.5	0	0	0	0.5	2.0	2.5



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Yes
	Size and no of RWH tank(s) and Quantity:	Yes
	Location of the RWH tank(s):	YEs
	Quantity of recharge pits:	2
	Size of recharge pits :	Yes
	Budgetary allocation (Capital cost) :	20000
	Budgetary allocation (O & M cost) :	5000
	Details of UGT tanks if any :	2
35.Storm water drainage	Natural water drainage pattern:	Yes
	Quantity of storm water:	Yes
	Size of SWD:	Yes
Sewage and Waste water	Sewage generation in KLD:	NA
	STP technology:	NA
	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:	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	NA
	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:	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

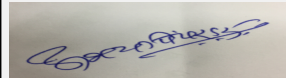

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	3-4	7-9	6.5-9.0
2	SS	mg/l	1200	90	100
3	BOD	mg/l	900	90	100
4	COD	mg/l	1500	210	250
5	COD	mg/l	1500	210	250
6	O and G	mg/l	20	9	10
7	Chlorides	mg/l	1500	450	600
Amount of effluent generation (CMD):		0			
Capacity of the ETP:		8			
Amount of treated effluent recycled :		0			
Amount of water send to the CETP:		0			
Membership of CETP (if require):		0			
Note on ETP technology to be used		Primary Secondary Tertiary			
Disposal of the ETP sludge		Send to CHWTSDF, Ranjangaon MIDC			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	28.1 Process Residue and wastes	28.1	Kg/m	4	8	12	Send to CHWTSDF, Ranjangaon MIDC
2	34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	34.2	Kg/m	20	30	50	Send to CHWTSDF, Ranjangaon MIDC

39. Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	LDO	1	32	1	120

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	200	400	600

41.Source of Fuel Purchase

42.Mode of Transportation of fuel to site Authorised Gvt Vehicals

43.Green Belt Development	Total RG area :	6000
	No of trees to be cut :	100
	Number of trees to be planted :	100
	List of proposed native trees :	Local Species
	Timeline for completion of plantation :	Annual

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

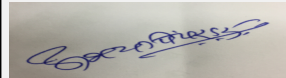
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Local Species	Limb	50	NA
2	Local Species	Pimpal	15	NA
3	Local Species	Nilgiri	20	NA
4	Local Species	VAd	10	NA
5	Local Species	Local Species	5	NA

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	Limb	1*1 M	100
2	Pimpal	1*1 M	100
3	Nilgiri	1*1 M	100
4	VAd	1*1 M	100

47.Energy


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Power requirement:	Source of power supply :	MSEB
	During Construction Phase: (Demand Load)	487.5 KW
	DG set as Power back-up during construction phase	375 KVA
	During Operation phase (Connected load):	487.5 KW
	During Operation phase (Demand load):	375 KVA
	Transformer:	317.5 KVA
	DG set as Power back-up during operation phase:	375 KVA
	Fuel used:	15 lit/Hr
	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
Boiler	Wet Scrubber	Wet Scrubber

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	Yes	Yes	100000

b) Operation Phase (with Break-up):

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


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



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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
N- Carbomethoxy-p-Toluenesulfonamide Ester	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Diphenhydramine base	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Gliclazide	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Ebastine	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Mizolastine	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Etizolam	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Baclofen	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Pregablin	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Topiramate	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Tenelegliptin	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Intermediates of Bepotastine	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle
Benzylamine Tech Satge	NA	East Site	Commen area 20 MT	NA	Demand	NA	By Vehicle

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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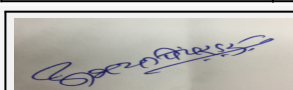
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS


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



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

Brief information of the project by SEAC

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

DECISION OF SEAC

Accredited consultant was not present for the meeting.


During deliberations it was observed that PP has not submitted relevant and adequate information in the consolidated statement which is required for appraisal of the project. PP agreed to submit a fresh application with adequate information in the consolidated statement.

In view of above SEAC decided to delist the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

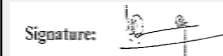
Kindly find SEAC decision above.

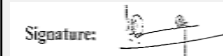


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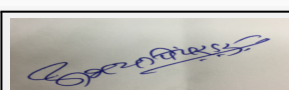
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Subject: Environment Clearance for ELEVATED ROAD AND EXPANSION OF EXISTING THANE GHODBUNDER- ROAD

Is a Violation Case: No

1.Name of Project	ELEVATED ROAD AND EXPANSION OF EXISTING THANEGHODBUNDER- ROAD (GHODBUNDER TO GAIMUKH) IN THE STATE OF MAHARASHTRA UNDER DBFOT
2.Type of institution	Government
3.Name of Project Proponent	Maharashtra State Road Development Corporation Ltd (MSRDC)
4.Name of Consultant	STUP Consultant Pvt Ltd
5.Type of project	Highway Project
6.New project/expansion in existing project/modernization/diversification in existing project	NEW ELEVATED ROAD AND EXPANSION OF EXISTING THANEGHODBUNDER- ROAD
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	CRZ recommendations obtained for the project
8.Location of the project	Start from VARSAVE village and ends at GAIMUKH village, Thane District, MAHARASHTRA
9.Taluka	Thane
10.Village	Varsave, Chenne, Bhayender pada
Correspondence Name:	Shri Narendra Toke
Room Number:	MSRDC, Bandra Office, Near Bandra Reclamation, KC Road
Floor:	-
Building Name:	MSRDC, Bandra
Road/Street Name:	KC Road
Locality:	Near Bandra Reclamation
City:	Mumbai
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	NA
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	7250000000

22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not applicable		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable		
29.Existing structure (s) if any	Along the proposed road alignment some existing structure are observed.		
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	Not applicable	Not applicable	Not applicable	Not applicable


32.Total Water Requirement

Dry season:	Source of water	Local body
	Fresh water (CMD):	25KLD
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	-
	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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Dr. Umakant Dangat
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Wet season:	Source of water	Local body
	Fresh water (CMD):	25KLD
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	-
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

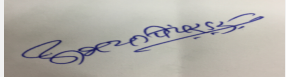
Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	-	-	-	-	-	-	-	-


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 :	-

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


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Sewage and Waste water	Sewage generation in KLD:	-
	STP technology:	-
	Capacity of STP (CMD):	-
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	-
	Budgetary allocation (O & M cost):	-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	-
	Disposal of the construction waste debris:	Debris will be used in land filling & Road making
Waste generation in the operation Phase:	Dry waste:	-
	Wet waste:	-
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	-
	Others if any:	-
Mode of Disposal of waste:	Dry waste:	-
	Wet waste:	-
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	-
	Others if any:	-
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)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			


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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	-	-	-	-
41.Source of Fuel		local dealer		
42.Mode of Transportation of fuel to site		-		

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

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



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

45.Total quantity of plants on ground

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

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

47.Energy

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Power requirement:	Source of power supply :	Local Authority
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	-
	Transformer:	-
	DG set as Power back-up during operation phase:	-
	Fuel used:	-
	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
-	-	-

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2.05 lacs per month
	O & M cost:	1.57 lacs per month

51. Environmental Management plan Budgetary Allocation

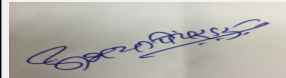
a) Construction phase (with Break-up):

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	-	-	-	-

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
-	-	-	-	-	-	-	-

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	-
	Number and area of podia:	-
	Total Parking area:	-
	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):	-
	CRZ/ RRZ clearance obtain, if any:	CRZ recommendations obtained
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Passing through Sanjay Gandhi National Park
	Category as per schedule of EIA Notification sheet	A
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes



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	Date of online submission	28-11-2016
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Environmental Impacts of the project	Not Applicable at this stage.	
Water Budget	Not Applicable at this stage.	
Waste Water Treatment	Not Applicable at this stage.	
Drainage pattern of the project	Not Applicable at this stage.	
Ground water parameters	Not Applicable at this stage.	
Solid Waste Management	Not Applicable at this stage.	
Air Quality & Noise Level issues	Not Applicable at this stage.	
Energy Management	Not Applicable at this stage.	
Traffic circulation system and risk assessment	Not Applicable at this stage.	
Landscape Plan	Not Applicable at this stage.	
Disaster management system and risk assessment	Not Applicable at this stage.	
Socioeconomic impact assessment	Not Applicable at this stage.	
Environmental Management Plan	Not Applicable at this stage.	
Any other issues related to environmental sustainability	Not Applicable at this stage.	
Brief information of the project by SEAC		
PPsubmitted their proposal for elevated road and expansio of existing Thane - Ghodbandar Road		
DECISION OF SEAC		


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During deliberations, PP informed that they earlier applied to the MoEF&CC for prior Environmental Clearance in the year 2017 as category "A" project. MoEF vide letter dated 19.01.2018 informed the PP that, the project falls under category "B" and shall be decided by the SEIAA, Maharashtra.

As per MoEF&CC letter, the PP now applied for the grant of TOR.

As per the information submitted by the PP, it is observed that the proposed project is passing through the Sanjay Gandhi National Park which is notified by the MoEF&CC as Eco Sensitive Area.

SEAC-1 is of the view that the proposed project falls under category 7(f) "A" of the Schedule attached to EIA Notification, 2006 amended from time to time in which general condition is applicable to this project.

The general condition is reproduced below for ready reference,

" Any project or activity specified in Category 'B' will be treated as Category A, if located in whole or part within 10 KM from the boundary of : (i) Protected areas notified under the Wild Life (Protection) Act, 1972. (ii) Critically Polluted Areas as notified by the CPCB. (iii) Notified Eco Sensitive Areas (iv) Inter State Boundaries and international boundaries."

In view of above, general condition is applicable to this project as per EIA Notification and therefore project will have to be treated as category "A".


SEAC decided to seek the guidance in this regard from the SEIAA.

Hence the proposal is 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


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

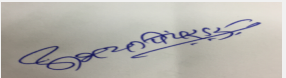
SEAC Meeting number: 149th Day-1 Meeting Date April 2, 2018

Subject: Environment Clearance for Expansion and construction of additional storage tanks of MS, SKO, HSD and Bio-Diesel at HPCL Loni terminal, Village-Kadam Wakwasti, P.O Loni Kalbhori Teshil- Haveli, Pune, MH- 412 201

Is a Violation Case: No


1.Name of Project	Expansion and construction of additional storage tanks of MS, SKO, HSD and Bio-Diesel at HPCL Loni terminal, Village-Kadam Wakwasti, P.O Loni Kalbhori Teshil- Haveli, Pune, MH- 412 201
2.Type of institution	Government
3.Name of Project Proponent	BHARATAM BHASKARARAO
4.Name of Consultant	Vardan Environet, Gurgaon(Haryana)
5.Type of project	6(b) Isolated storage & handling of hazardous chemicals (As per threshold planning) Industrial Projects - 2
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and construction of additional storage tanks of MS, SKO, HSD and Bio-Diesel at HPCL Loni terminal, Pune, Maharashtra
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC has granted via letter No. SEAC-2009/CR.184/TC2 on 15th July 2010 for Construction of MS, SKO, HSD & Ethanol storage tanks and allied facilities at Loni Terminal
8.Location of the project	Khasra No.156, 158,151,160 to 167
9.Taluka	Haveli
10.Village	Kadam Wakwasti
Correspondence Name:	BHARATAM BHASKARARAO, DY. GEENERAL MANAGER- INSTALLATION
Room Number:	HINDUSTAN PETROLEUM CORPORATION LIMITED (HPCL)
Floor:	LONI TERMINAL
Building Name:	HPCL LONI TERMINAL
Road/Street Name:	Village-Kadam Wakwasti,P.O Loni Kalbhori
Locality:	Teshil- Haveli
City:	Pune, MAHARASHTRA-412 201
11.Area of the project	HINDUSTAN PETROLEUM CORPORATION LIMITED (HPCL)
12.IOD/IOA/Concession/Plan Approval Number	We are PESO approved IOD/IOA/Concession/Plan Approval Number: We are PESO approved Approved Built-up Area: 157827
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.)	254952 m ²
16.Deductions	Not applicable
17.Net Plot area	254952 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 2468.58 b) Non FSI area (sq. m.): 1862.76 c) Total BUA area (sq. m.): 4331.34
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m²)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	16000000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Admin building	2	10
23.Number of tenants and shops	NA		
24.Number of expected residents / users	NA		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	NA		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA		
29.Existing structure (s) if any	NA		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	BIO-Diesel	0	45 KL	45 KL
2	Transmix Tank	0	580 KL	580 KL
3	HSD Sump	0	20 KL	20 KL
4	MS Sump	0	15 KL	15 KL
5	HSD	(1 x 22997)KL + (1 x 23587) KL + (1 x 23344) KL	0	69928 KL
6	MS	23869 KL	0	23869 KL
7	MS	9641	0	9641 KL
8	MS	9699	0	9699 KL
9	MS	(1 x 4455) KL + (1 x 4558) KL	0	9013 KL
10	ETHANOL	4276 KL	0	4276 KL
11	HSD	10531 KL	0	10531 KL
12	HSD	(1 x 10105) KL + (1 x 10118) KL	0	20223 KL
13	HSD	11000 KL	0	11000 KL
14	HSD	7344 KL	0	7344 KL
15	MS	7350 KL	0	7350 KL


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16	HSD	9900 KL	0	9900 KL
17	SKO	7350 KL	0	7350 KL
18	SKO	2 x 5650 KL	0	11300 KL
19	ETHANOL	396 KL	0	396 KL
20	ETHANOL	535 KL	0	535 KL
21	SLOP	2 x 399 KL	0	798 KL
22	ETHANOL	45 KL	0	45 KL
23	MS	0	45 KL	45 KL
24	HSD	0	45 KL	45 KL
25	SKO	0	45 KL	45 KL


32.Total Water Requirement

Dry season:	Source of water	Mutha River
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	7000 KL
	Excess treated water	0
Wet season:	Source of water	Mutha River
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	7000 KL
	Excess treated water	0
Details of Swimming pool (If any)	Not applicable	


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33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	0	NA	NA	0	NA	NA	NA	NA	NA
Industrial Process	0	50	50	0	50	50	0	0	0
Domestic	0	40	40	0	2	2	0	38	38
Gardening	0	5	5	0	0	0	0	0	0
Cooling tower & thermopack	0	0	0	0	0	0	0	0	0

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 :	Tank No. Product Storage Capacity (In KL) Tank Dia.xHt.(m) Tank Dimensions Dia. x Length (m) 722(Existing) Ethanol 45 2.75 X 7.75 - 112(Proposed) MS 45 - 3.0 x 10.5 113(Proposed) HSD 45 - 3.0 x 10.5 114(Proposed) SKO 45 - 3.0 x 10.5 115(Proposed) Bio-Diesel 45 - 3.0 x 10.5 713(Proposed) Transmix tank 580 - 10.0 x x 8.0 715(Proposed) HSD Sump 20 - 2.0 x 5.0 716(Proposed) MS Sump 15 - 2.0 x 3.0


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



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Sewage and Waste water	Sewage generation in KLD:	NA
	STP technology:	Septic Tank followed by Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	As per layout
	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:	NA
	Disposal of the construction waste debris:	Construction waste will be filled in low-lying area within site.
Waste generation in the operation Phase:	Dry waste:	N/A
	Wet waste:	N/A
	Hazardous waste:	No hazardous waste will be generated as plant activity involves only receipt, storage & dispatch of Petroleum products. Oily sludge generated intermittently during tank cleaning operations which will be send to the authorized disposal facility. M/s HPCL is a member of Common Hazardous waste Transport Storage and Disposal Facility(CHWTSDF).
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	Sewage sludge or other sludge from effluent treatment
	Others if any:	NA
	Mode of Disposal of waste:	
Mode of Disposal of waste:	Dry waste:	N/A
	Wet waste:	N/A
	Hazardous waste:	No hazardous waste will be generated as plant activity involves only receipt, storage & dispatch of Petroleum products. Oily sludge generated intermittently during tank cleaning operations which will be send to the authorized disposal facility. M/s HPCL is a member of Common Hazardous waste Transport Storage and Disposal Facility(CHWTSDF).
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	Sewage will be disposed in soak-pit and septic tank. There is no generation of industrial effluent.
	Others if any:	NA
	Area requirement:	Location(s):
Area for the storage of waste & other material:		NA
Area for machinery:		NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37.Effluent Charecterestics

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	-	NA	5.5 to 9.0	5.5 to 9.0
2	Oil & Grease	Mg/L	NA	<10	<10
3	BOD	Mg/L	NA	<100	<100
4	TDS	Mg/L	NA	<2100	<2100
5	Suspended Solids	Mg/L	NA	<100	<100
6	COD	Mg/L	NA	<250	<250
7	Chlorides	Mg/L	NA	<600	<600
8	Sulphate	Mg/L	NA	<1000	<1000

Amount of effluent generation (CMD):	150
Capacity of the ETP:	NA
Amount of treated effluent recycled :	As recovered from OWS
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Oil Water Separator
Disposal of the ETP sludge	Shall be sent to CHWTSDF

38.Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Waste/residues containing oil	5.2	MT/M	0	2 MT/M	2 MT/M	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Attached to DG set	80 LTD	NA	5.5 m above the roof of the building	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	HSD	0	80	80	
41.Source of Fuel		Authorized supplier			
42.Mode of Transportation of fuel to site		By road			


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43.Green Belt Development	Total RG area :	89030 meter sq.
	No of trees to be cut :	NA
	Number of trees to be planted :	NA
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

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	NA	NA	NA	NA

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

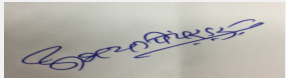
Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution corporation limited
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	1 x 500 KVA, 1x 250 KVA , 2 X 1000 kVA(Proposed)
	During Operation phase (Connected load):	Same as above
	During Operation phase (Demand load):	Same as above
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 x 500 KVA, 1x 250 KVA , 2 X 1000 kVA(Proposed)
	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


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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Not applicable	Adequate Stack height will be provided for DG set
Waste water	Not applicable	Oil Water Separator will be provide, Sewage Treated
Noise	Not applicable	Acoustic enclosure will be provided for DG sets
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	Expenditure of environment magement	Air, water, Noise & Labour	As per requirement

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Expenditure of environment management	Environment aspects	As per requirement	As per requirement


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	Existing	As per layout	22997 KL	22997 KL	As per requirement	-	By rail & pipeline
HSD	Existing	As per layout	23587 KL	23587 KL	As per requirement	-	By rail & pipeline
HSD	Existing	As per layout	23344 KL	23344 KL	As per requirement	-	By rail & pipeline
MS	Existing	As per layout	23869 KL	23869 KL	As per requirement	-	By rail & pipeline
MS	Existing	As per layout	9641 KL	9641 KL	As per requirement	-	By rail & pipeline
MS	Existing	As per layout	9699 KL	9699 KL	As per requirement	-	By rail & pipeline
MS	Existing	As per layout	4455 KL	4455 KL	As per requirement	-	By rail & pipeline
MS	Existing	As per layout	4558 KL	4558 KL	As per requirement	-	By rail & pipeline
ETHANOL	Existing	As per layout	4276 KL	4276 KL	As per requirement	-	By rail & pipeline
HSD	Existing	As per layout	10531 KL	10531 KL	As per requirement	-	By rail & pipeline


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HSD	Existing	As per layout	10105 KL	10105 KL	As per requirement	-	By rail & pipeline
HSD	Existing	As per layout	10118 KL	10118 KL	As per requirement	-	By rail & pipeline
HSD	Existing	As per layout	11000 KL	11000 KL	As per requirement	-	By rail & pipeline
HSD	Existing	As per layout	7344 KL	7344 KL	As per requirement	-	By rail & pipeline
MS	Existing	As per layout	7350 KL	7350 KL	As per requirement	-	By rail & pipeline
MS	Existing	As per layout	7350 KL	7350 KL	As per requirement	-	By rail & pipeline
HSD	Existing	As per layout	9900 KL	9900 KL	As per requirement	-	By rail & pipeline
SKO	Existing	As per layout	7350 KL	7350 KL	As per requirement	-	By rail & pipeline
SKO	Existing	As per layout	5650 KL	5650 KL	As per requirement	-	By rail & pipeline
SKO	Existing	As per layout	5650 KL	5650 KL	As per requirement	-	By rail & pipeline
ETHANOL	Existing	As per layout	396 KL	396 KL	As per requirement	-	By rail & pipeline
ETHANOL	Existing	As per layout	535 KL	535 KL	As per requirement	-	By rail & pipeline
SLOP	Existing	As per layout	399 KL	399 KL	As per requirement	-	By rail & pipeline
SLOP	Existing	As per layout	399 KL	399 KL	As per requirement	-	By rail & pipeline
ETHANOL	Existing	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
MS	Proposed	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
HSD	Proposed	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
SKO	Proposed	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
BIO-DIESEL	Proposed	As per layout	45 KL	45 KL	As per requirement	-	By rail & pipeline
TRANSMIX TANK	Proposed	As per layout	580 KL	580 KL	As per requirement	-	By rail & pipeline
HSD SUMP	Proposed	As per layout	20 KL	20 KL	As per requirement	-	By rail & pipeline
MS SUMP	Proposed	As per layout	15 KL	15 KL	As per requirement	-	By rail & pipeline

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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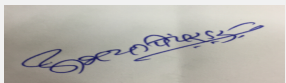
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	MA
	Area per car:	NANA
	Area per car:	NANA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Industrial Project Categorized as 6(b) as per EIA Notification 2006
	Court cases pending if any	NA
	Other Relevant Informations	There is no manufacturing process involved in the Depot. The Rail Fed POL Depot shall be handling and storing various finished petroleum products.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable at this stage.
Water Budget	Not Applicable at this stage.
Waste Water Treatment	Not Applicable at this stage.
Drainage pattern of the project	Not Applicable at this stage.
Ground water parameters	Not Applicable at this stage.


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

Brief information of the project by SEAC

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

DECISION OF SEAC


During deliberations, it is observed that PP has not filled adequate information in the consolidated statement which is required to appraise the project. PP agreed to submit a fresh applicataion giving adequate information in the consolidated statement.

In view of above SEAC decided to delist the proposal.

Specific Conditions by SEAC:


FINAL RECOMMENDATION

Kindly find SEAC decision above.


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

SEAC Meeting number: 149th Day-1 Meeting Date April 2, 2018

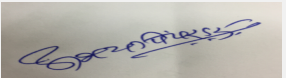
Subject: Environment Clearance for Gaurala Limestone mine

Is a Violation Case: No

1.Name of Project	Gaurala Limestone mine
2.Type of institution	Semi Government
3.Name of Project Proponent	Maharashtra State Mining Corporation Limited
4.Name of Consultant	Enviro Techno Consult Private Limited
5.Type of project	others (mining project)
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	Survey Nos. 157
9.Taluka	Maregaon
10.Village	Gaurala
Correspondence Name:	Khanikarm Bhawan, Plot no. 7, Ajni Square, Wardha Road, Nagpur 440 015
Room Number:	NA
Floor:	NA
Building Name:	Khanikarm Bhawan,
Road/Street Name:	Wardha road
Locality:	Ajni Square
City:	Nagpur
11.Area of the project	Municipal
12.IOD/IOA/Concession/Plan Approval Number	lease deed is executed
	IOD/IOA/Concession/Plan Approval Number: Order no: MMN 2220/8076/IND-9
	Approved Built-up Area: 0.034
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Lease Deed executed
15.Total Plot Area (sq. m.)	Not applicable (3.62 Ha - Lease area)
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 300
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	4500000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	NA	NA	NA
23.Number of tenants and shops	NA		
24.Number of expected residents / users	NA		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	NA		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA		
29.Existing structure (s) if any	NA		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Limestone	0	99,994 tonnes/annum	99,994 tonnes/ annum

32.Total Water Requirement

Dry season:	Source of water	tube well
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA


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Wet season:	Source of water	pit water/ well water
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	0	1	1	NA	0.8	NA	NA	0.8	0.8
Gardening	3	3	3	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	The mine will not interect groundwater table as mining activity would be restricted to 14 m and water table has not been intercepted and is beyond 15 m
	Size and no of RWH tank(s) and Quantity:	Existing pits will be used for rain water harvesting.
	Location of the RWH tank(s):	Pit location shown in surface plan and other plans.
	Quantity of recharge pits:	NA since recharge pits are not proposed.
	Size of recharge pits :	Average 1.5 Ha with maximum size of 2.23Ha towards the end of the life of mine
	Budgetary allocation (Capital cost) :	NA (it is part of the mining activity)
	Budgetary allocation (O & M cost) :	NA (it is part of the mining activity)
	Details of UGT tanks if any :	NA



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35.Storm water drainage	Natural water drainage pattern:	There is no natural drain.
	Quantity of storm water:	As per rain fall pattern calculated run offs will be about 1.5 ha m
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	NA
	STP technology:	NA
	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:	About 13934.88 tons of waste is likely to be generated from the mines during plan period.
	Disposal of the construction waste debris:	There will be temporary dumps which will be utilised for backfilling.
Waste generation in the operation Phase:	Dry waste:	OB @ 3235-3279 cum and rejects @ 3999.76 cum
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	There will be temporary dumps which will be utilised for backfilling.
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Kh No 157
	Area for the storage of waste & other material:	0.90 ha
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA (IT IS PART OF THE MINING COST)
	O & M cost:	NA (IT IS PART OF THE MINING COST)
37.Effluent Charecterestics		


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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	DIESEL	NA	40-50L/DAY	40-50L/DAY

41.Source of Fuel

Local market

42.Mode of Transportation of fuel to site


By road

43.Green Belt Development

Total RG area :	0.5 ha
No of trees to be cut :	NA
Number of trees to be planted :	50/year depending on survival
List of proposed native trees :	The species suggested by Prof. Chaphekar will be preferred .
Timeline for completion of plantation :	PLAN PERIOD


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	Delomix regia	Gul Mohar	349	ORNAMENTAL TREE
2	Emblica officinalis	Amla	349	medicinal tree
3	H. rosa sinensis	jasut	349	medicinal tree
4	Lxora arbprea	Nevari	349	medicinal tree
5	Lxora arbprea	Nevari	349	medicinal tree


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6	Lxora arborea	Nevari	349	medicinal tree
7	Lxora arborea	Nevari	349	medicinal tree

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 :	Maharashtra State Electricity Board
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	DEISEL
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
Fugitive during material handling	NA	water sprinkling on roads, and during material transfer

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	45,00,000
	O & M cost:	4,50,000

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	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, water, noise	Air- during material transfer, water - sprinkling, water pollution - not applicable, noise - PPE	5	0.50

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 (traffic in the mines will be as per mining plan design)
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	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


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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	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

DECISION OF SEAC

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 149th Day-1 Meeting Date: April 2, 2018	Page 38 of 81	Signature:  Name: Dr. Umakant Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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PP requested to postpone the appraisal because of his personal reasons.


On request of PP, SEAC decided to defer the proposal.

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-00000000062


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

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

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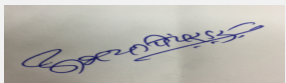
Subject: Environment Clearance for Proposed establishment of Synthetic Organic Chemical manufacturing facility

Is a Violation Case: No

1.Name of Project	Proposed establishment of Synthetic Organic Chemical manufacturing facility at Plot No B29, Additional Lote Parshuram MIDC, Tal. Khed, Dist: Ratnagiri
2.Type of institution	Private
3.Name of Project Proponent	Shree Pushkar Chemicals and Fertilizers Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Synthetic Organic Chemical Manufacturing Industry
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. B-29, Additional Lote Parshuram MIDC
9.Taluka	Khed
10.Village	Lote
11.Area of the project	Additional MIDC Lote Parshuram, Dist Ratnagiri
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No, Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Industrial Plot Area - 40,000 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.): 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	720000000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not Applicable		
24.Number of expected residents / users	Not applicable		


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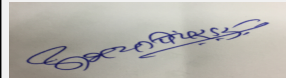
Signature: 
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25. Tenant density per hectare	Not applicable
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not Applicable
28. Turning radius for easy access of fire tender 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	Reactive Dyes	0	12,000 TPA	12,000 TPA
2	H-Acid	0	3,000 TPA	3,000 TPA
3	Vinyl Sulphone ester	0	5,000 TPA	5,000 TPA
4	Phthalocyanine Pigments (Crude CPC Blue - 5400 TPA, Alpha blue - 900 TPA, Beta Blue - 600 TPA, Pigment Green -7 - 900 TPA)	0	7,800 TPA	7,800 TPA
5	Copper Sulfide (By - Product)	0	48 TPA	48 TPA
6	Ammonium Sulphate (By - Product)	0	3000 TPA	3000 TPA
7	HYPO(Sodium Hypo Chlorite NaOCl) (By - Product)	0	12 TPA	12 TPA
8	Copper (By - Product)	0	24 TPA	24 TPA
9	Poly Aluminum Chloride (PAC) (By - Product)	0	900 TPA	900 TPA


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	0	12	12	0	4	4	0	8	8
Cooling tower & thermopack	0	360	360	0	85	85	0	275	275
Industrial Process	0	35	35	0	10	10	0	25	25
Gardening	0	5	5	0	5	5	0	0	0



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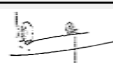
Signature: 
Name: Dr. Umakant Dangat (Chairman SEAC-I)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	will be furnish in EIA
	Size and no of RWH tank(s) and Quantity:	will be furnish in EIA
	Location of the RWH tank(s):	will be furnish in EIA
	Quantity of recharge pits:	will be furnish in EIA
	Size of recharge pits :	will be furnish in EIA
	Budgetary allocation (Capital cost) :	will be furnish in EIA
	Budgetary allocation (O & M cost) :	will be furnish in EIA
	Details of UGT tanks if any :	Under ground tank will be provided for water storage. Details will be submit in EIA.
35.Storm water drainage	Natural water drainage pattern:	will be provide in EIA
	Quantity of storm water:	will be provide in EIA
	Size of SWD:	will be provide in EIA
Sewage and Waste water	Sewage generation in KLD:	8 cmd
	STP technology:	Will be furnish during EIA
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Nil
	Budgetary allocation (O & M cost):	Nil
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction debris , iron scrap, paint drums, waste insulation etc.
	Disposal of the construction waste debris:	Will be disposed as per norms.
Waste generation in the operation Phase:	Dry waste:	Fly ash: 13 TPD , Lagging waste: 300 kg/month, Iron scrap : 400 kg/month
	Wet waste:	Not Applicable
	Hazardous waste:	Details are provided in Sr. No. 42 below
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable


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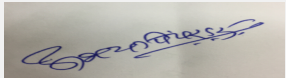
Mode of Disposal of waste:	Dry waste:	Fly Ash - Sold to brick manufacturer/ sent for landfilling , Lagging waste, Iron scrap to Authorized Recycler
	Wet waste:	Not Applicable
	Hazardous waste:	Disposal of Hazardous Waste as per MPCB / CPCB norms. (details are provided Point No. 42 below
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	The proposed project site is at additional Lote Parshuram MIDC. The plot is in allotted by MIDC
	Area for the storage of waste & other material:	designated storage area within the plant site.
	Area for machinery:	will be provided in EIA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	will be provided in EIA
	O & M cost:	will be provided in EIA

37. Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	Effluent discharge standards (MPCB)
1	pH	-	2 - 6.0	6.5 - 8.00	5.5-9.0
2	Oil & Grease	mg/l	20	8 - 10	10
3	BOD	mg/l	500 - 600	50 - 100	100
4	TDS	mg/l	6000	1000 -2100	2100
5	Suspended Solids	mg/l	200	50 - 100	100
6	COD	mg/l	1000-1200	250	250
7	Chloride	mg/l	1000	400-600	600
8	Sulphate	mg/l	2000800	1000	1000
Amount of effluent generation (CMD):		308 cmd			
Capacity of the ETP:		350 m3			
Amount of treated effluent recycled :		258 cmd			
Amount of water send to the CETP:		50 cmd			
Membership of CETP (if require):		Yes, we will apply for membership of lote parshuram CETP shortly.			
Note on ETP technology to be used		Effluent treatment comprising of Primary, Secondary & Tertiary treatment system followed by Multiple effect evaporator.			
Disposal of the ETP sludge		ETP sludge about 200 TPM is disposed at CHWTSDF Taloja			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	TPM	0	16	16	Authorized reprocessor/CHWTSDF Taloja
2	Process residue Spray Dryer	21.1	TPM	0	50	50	CHWTSDF Taloja


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3	Process residue Pigment Plant	21.1	TPM	0	25	25	CHWTSDF Taloja
4	Gypsum	26.1	TPM	0	1500	1500	Cement manufacturers
5	Iron sludge	26.1	TPM	0	400	400	CHWTSDF Taloja
6	Drums/ Barrels	33.1	No.PM	0	500	500	Cleaned and Reused a site
7	ETP sludge	35.3	TPM	0	200	200	CHWTSDF Taloja

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	Boilers : 1 No x 6 TPH steam capacity each	Coal - 26 TPD	1	As per norms	Will be provide in EIA	Will be provide in EIA
2	Thermic Fluid Heater : 1 No x 3 Lac kcal/hr capacity each	Coal - 2.5 TPD	1	As per norms	Will be provide in EIA	Will be provide in EIA
3	Hot air Generators	Coal - 24 TPD	1	As per norms	Will be provide in EIA	Will be provide in EIA
4	DG Set - 500 MW (Emergency use only)	HSD : 125 Litres/hr	1	As per norms	Will be provide in EIA	Will be provide in EIA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal - (Boiler , Thermic Fluid Heater, Hot Air Generator)	0	52.5 TPD	52.5 TPD
2	HSD (DG Set - 500 MW) (Emergency use only)	0	125Litres/hr	125Litres/hr

41.Source of Fuel Coal - Imported , HSD - From local supplier

42.Mode of Transportation of fuel to site Mode of transport to site is by road truck/tankers.

43.Green Belt Development	Total RG area :	As per MIDC norms
	No of trees to be cut :	Nil
	Number of trees to be planted :	As per MIDC norms
	List of proposed native trees :	Will be provided as as per norms
	Timeline for completion of plantation :	during construction activity

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

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

45.Total quantity of plants on ground



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

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

47.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	500 KW
	During Operation phase (Connected load):	1250 KW
	During Operation phase (Demand load):	1250 KW
	Transformer:	details will be provided in EIA
	DG set as Power back-up during operation phase:	500 KW
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	No	

48.Energy saving by non-conventional method:


Will be provide in EIA

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution (Boiler, TFH, Hot Air Generator , DG Set)	Not Applicable	Adequate Stack Height with control measure as per CPCB Guidelines will be provided.
Water Pollution (Process, Utilities, Domestic)	Not Applicable	Adequate capacity of ETP.
Noise Pollution	Not Applicable	Acoustic enclosure, PPE


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Hazardous Waste	Not Applicable	to authorized Solvent Recovery unit, to CHWTSDF
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Will be provide in EIA
	O & M cost:	Will be provide in EIA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Will be provide in EIA	Will be provide in EIA	Will be provide 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 provide in EIA	Will be provide in EIA	Will be provide in EIA	Will be provide 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
Hydrochloric Acid	Proposed	within plant site	25 KL	25 KL	5	nearby source	Mode of transport to site is by road truck/tankers.
Nitric Acid	Proposed	within plant site	60 KL	60 KL	190	nearby source	Mode of transport to site is by road truck/tankers.
Aniline	Proposed	within plant site	50 KL	50 KL	415	nearby source	Mode of transport to site is by road truck/tankers.
Acetic Acid	Proposed	within plant site	15 KL	15 KL	300	nearby source	Mode of transport to site is by road truck/tankers.
Caustic Lye	Proposed	within plant site	30 KL	30 KL	420	nearby source	Mode of transport to site is by road truck/tankers.
Ethylene Oxide	Proposed	within plant site	10 KL	10 KL	125	nearby source	Mode of transport to site is by road truck/tankers.
Spent Sulphuric acid	Proposed	within plant site	150 KL	150 KL	360	nearby source	Mode of transport to site is by road truck/tankers.
Lime slurry	Proposed	within plant site	15 KL	15 KL	360	nearby source	Mode of transport to site is by road truck/tankers.


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Solvent	Proposed	within plant site	15 KL	15 KL	2	nearby source	Mode of transport to site is by road truck/tankers.
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52.Any Other Information

No Information Available

53.Traffic Management

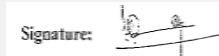
	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as 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):	min. 6 mtrs
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable as project is located in Lote, MIDC Industrial Area.
	Category as per schedule of EIA Notification sheet	B, since plot is part of notified industrial area.
	Court cases pending if any	No, Not Applicable
	Other Relevant Informations	This Consolidated Statement is for TOR purpose.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-04-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS


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

Brief information of the project by SEAC

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

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

DECISION OF SEAC

During deliberations with the PP and his accredited consultant, it is observed that PP has not finalized engineering design of lay out plan for the proposed manufacturing unit.

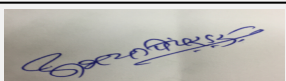
In view of above, it is difficult to appraise the project.. PP to submit lay out plan with all details like entry exit gates, internal roads with minimum six meters width, turning radius of nine meters, locations of all pollution control equipments, parking area, 33% green beelt within the premises, locations of rain water harvesting etc.

Hence, deferred.

Specific Conditions by SEAC:

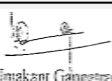
FINAL RECOMMENDATION

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


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

SEAC Meeting number: 149th Day-1 Meeting Date April 2, 2018

Subject: Environment Clearance for Common Biomedical Waste Treatment Facility

Is a Violation Case: No

1.Name of Project	Integrated Common Biomedical Waste Treatment Facility for PCMC and adjoining area
2.Type of institution	Private
3.Name of Project Proponent	Pune Municipal Corporation
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd., Mumbai
5.Type of project	Common Biomedical Waste Treatment Facility
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion (in place of existing facility)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Expansion (in place of existing facility)
8.Location of the project	Kailash Crematorium Compound, Nr. Naidu Hospital, Sangamvadi, Pune
9.Taluka	Haveli
10.Village	Kailash
Correspondence Name:	Dr. Vaishali Jadhav
Room Number:	--
Floor:	--
Building Name:	Pune Municipal corporation
Road/Street Name:	--
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Pune Muncipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-- IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	No work has initiated at site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CIN- U 33129 PN 2005 PTC 020340
15.Total Plot Area (sq. m.)	4351.74 sq.m
16.Deductions	NA
17.Net Plot area	--
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 00
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)	1058
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	165800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	1	G+1	10
23.Number of tenants and shops	Not a commercial project		
24.Number of expected residents / users	Approx. 40 employees		
25.Tenant density per hectare	Not a residential project		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	--		
29.Existing structure (s) if any	None		
30.Details of the demolition with disposal (If applicable)	Waste from demolition of existing shed will be used within site for leveling sub base.		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Waste for incineration	NA	273.75	273.75
2	Waste for autoclaving	NA	120.45	120.45


32.Total Water Requirement

Dry season:	Source of water	Pune Municipal corporation
	Fresh water (CMD):	52.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	77.5
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA


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Wet season:	Source of water	Pune Municipal corporation
	Fresh water (CMD):	49.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	74.5
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	3	3	0	0.2	0.2	0	2.8	2.8
Industrial Process	0	3	3	0	3	3	0	0	0
Gardening	0	43.5	43.5	0	15.5	15.5	0	28	28

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	~20 m
	Size and no of RWH tank(s) and Quantity:	Since it is a biomedical waste management site, rain water harvesting at site is not proposed.
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	one tank of 100 cmd


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35.Storm water drainage	Natural water drainage pattern:	Towards Mula mutha river on the north west of site
	Quantity of storm water:	1050 cum/day
	Size of SWD:	0.35 m bottom width x 0.3 m depth + 0.12 m FB

Sewage and Waste water	Sewage generation in KLD:	2.8
	STP technology:	--
	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:	Demolition waste and from foundation excavation
	Disposal of the construction waste debris:	Waste from demolition of existing shed shall be used within the site for leveling as road sub-base. No offsite disposal of construction debris is envisaged.

Waste generation in the operation Phase:	Dry waste:	50 kg/day from office administrative operations
	Wet waste:	None
	Hazardous waste:	ETP sludge, incinerator ash
	Biomedical waste (If applicable):	Disinfected/de-shaped and shredded plastic material
	STP Sludge (Dry sludge):	--
	Others if any:	NA


Mode of Disposal of waste:	Dry waste:	Collection, Storage and Disposal to CHWTSDF site
	Wet waste:	Collection, Storage and Disposal to CHWTSDF site
	Hazardous waste:	Collection, Storage and Disposal to CHWTSDF site
	Biomedical waste (If applicable):	Collection, Storage and sold to authorized recyclers
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Area requirement:	Location(s):	Within the shed
	Area for the storage of waste & other material:	20 sq.m
	Area for machinery:	200 sq.m

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5 Lakhs
	O & M cost:	45 Lakhs


37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
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1	pH	-	~8-10	6.5-9.0	5.5-9.0
2	BOD	mg/l	~30	< 30	100
3	COD	mg/l	~350	< 250	250
4	TSS	mg/l	~1500	< 100	100
5	O & G	mg/l	~15	< 10	10
Amount of effluent generation (CMD):		31.2			
Capacity of the ETP:		35			
Amount of treated effluent recycled :		25			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Screen > Seal pit > Reactor cum settling tank (alum dosed and stirred here) > Sludge filtering bags			
Disposal of the ETP sludge		Disposal to CHWTSDF site			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	kg/month	0	1000	1000	Collection, Storage and Disposal to CHWTSDF site
2	Incineration Ash	09 (BMW Rules)	MT/month	0	2	2	Collection, Storage and Disposal to CHWTSDF site
3	Disinfected/de-shaped and shredded plastic material	04 & 07 (BMW Rules)	MT/month	0	25	25	Collection, Storage and sold 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	Incinerator	HSD: 580 Lit/day	1	30	0.35	90 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	580 Lit/day	580 Lit/day

41.Source of Fuel	Local fuel retailer/kerbside fuel pump
42.Mode of Transportation of fuel to site	By road, in 200 l MS drums, loaded on to flat bed mini truck


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43.Green Belt Development	Total RG area :	600 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	approx. 15 large trees and other smaller canopy trees and shrubs
	List of proposed native trees :	Aegle marmelos, Alstonia scholaris , Anthocephallus cadamba, Azadiracta indica, Barringtonia acutangula, Bauhinia purpurea, Cassia fistula, Dalbergia sissoo, Enterolobium saman, Delonix regia
	Timeline for completion of plantation :	All trees will be planted within 24 months from beginning of construction, or earlier depending on monsoon


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	Aegle marmelos	Beal Tree	4	The only species in the genus Aegle which grows up to 15 meters tall and bears thorns and fragrant flowers. Native, Medicinal plant, fruits use to make marmalade/ jam etc.
2	Alstonia scholaris	Satwin	8	"An elegant tall evergreen tree with greyish rough bark. Medicinal plant, bark is used in traditional medicine to treat dysentery and fever"
3	Azadiracta indica	Neem	3	" A fast growing, evergreen tree that can reach a height of 15-20 m, rarely to 35-40 m. Used as an insecticide, to manufacture variety of cosmetics"
4	Barringtonia acutangula	Samudra phool	2	"An evergreen tree 5-8 m tall with rough fissured dark grey bark. Medicinal pant has long been used for medicine, timber and as a fish poison."
5	Cassia fistula	Bahava	4	"A tropical ornamental tree with a trunk consisting of hard reddish wood, growing up to 40 feet tall. Medicinal Use- The sweet blackish pulp of the seedpod is used as a mild laxative."
6	Dalbergia sissoo	Sheesham	4	"A medium to large deciduous tree, native to India, with a light crown. It can grow up to a maximum of 25 m in height and 2 to 3 m in diameter. One of the most important cultivated SEAC timber tree. "

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	Gardenia jasminoides	0.3 m	1 to 2
2	Nyctanthes arbotristis	1.0 m	2 to 3
3	Lagerstroemia speciosa	2.0 m	6 to 8


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47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	15 kVA
	DG set as Power back-up during construction phase	No
	During Operation phase (Connected load):	325 kVA
	During Operation phase (Demand load):	325 kVA
	Transformer:	350 kVA
	DG set as Power back-up during operation phase:	One DG set of 100 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	None

48. Energy saving by non-conventional method:

Yard illumination based on solar PV LEDs

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV LEDs	upto 40 % saving on illumination w.r.t. CFL lamps

50. Details of pollution control Systems

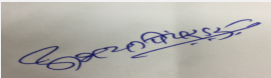
Source	Existing pollution control system	Proposed to be installed
Air	NA	High pressure drop Venturi Scrubber followed by droplet separator and stack
Water	NA	ETP
Noise	NA	Acoustic treatment of enclosable machinery, PPE
Solid Waste	NA	CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 5,00,000/annum
	O & M cost:	Rs. 30,000/annum

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	Water sprinkling	0.9
2	Environment Monitoring	Air, water , noise and soil	2


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3	Green Belt Development	Tree plantation	0.8
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	High pressure drop Venturi Scrubber followed by droplet separator and stack	~28	~14.5
2	Water Pollution Control	ETP	~15	~15
3	Environment Monitoring	Air, water , noise and soil	~7.5	~8
4	Hazardous waste & Solid waste management	Storage yard and disposal	~5	~45
5	Green Belt Development	Tree plantation and landscaping	~5	~1.5
6	Occupational Health & Safety	Medical check up	~2.5	~7.2
7	Others	EHS training	~5	~3

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

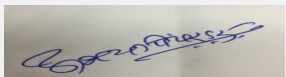
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
HSD	fuel	Within site	200 l drum	400 l	~ 49.2	Local	By road
Disinfection chemical (Sodium hypochlorite)	BMW	Within site	35 l carboys	175 l	~ 0.6	Local industrial chemical supplier	By road
Scrubbing medium (Caustic Lye)	chemical	Within site	35 l carboys	~500 kg	~ 2.5	Local industrial chemical supplier	By road
Alum	chemical	Within site	100 kg bag	~100 kg bags	~0.12	Local industrial chemical supplier	By Road

52.Any Other Information

No Information Available


53.Traffic Management

Nos. of the junction to the main road & design of confluence:	1, gated T exit to the main road with gentle radius
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Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	250 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):	approx. 8 m (with variations as per operational requirement)
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No protected area within 15 km radius
	Category as per schedule of EIA Notification sheet	7(da)
	Court cases pending if any	No
	Other Relevant Informations	Service industry for Biomedical waste management by Pune Municipal Corporation and Passco Environmental Solutions Pvt. Ltd. Waste Management Capacity - 3285 T per year for incineration and 1445.4 T per year for autoclaving Option 1 - Incinerator (two numbers) - 250 kg/hr each (based on wet scrubbing technology) or Option 2 - Incinerator (one numbers) - 500 kg/hr each (based on dry scrubbing technology) Autoclave (two numbers) - 110 kg/hr each Shredder- 100 kg/hr Chemical treatment facility ETP- 35 m3/day (for Option 1) Storage shed of 340 sq.m Associated utilities and amenities (Gate, storage shed, approach and circulation roads, storm water drain with RWH arrangement, greenbelt, firefighting arrangement, workforce amenities, administration office space, yard illumination
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-


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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 7(da)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 127th meeting of SEAC-I held on 12th and 13th May, 2016.

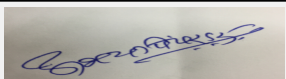
The proposal is only for common biomedical waste treatment facility at Gut No. 458/460/461 in the PimpriChinchwad Municipal Corporation area.

Decision of the 145th meeting:

After deliberations, it was observed that PP (PMC) has not conducted Public Hearing as per EIA NOTification, 2006 for the propsoed project. Committee felt as it is a mandatory requiriement PP shall conduct Public Hearing and upload final EIA/EMP reprot for further appraisal.


In view of above, SEAC-I decided to defer the proposla till PP submits Public Hearing reprot and final EIA/EMP report.PP

DECISION OF SEAC


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PP remained absent.

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-00000000062


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

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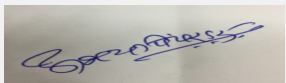
Subject: Environment Clearance for Metropolitan Eximchem Private Limited

Is a Violation Case: No

1.Name of Project	Expansion project of dyes intermediates and speciality chemicals.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajiv Sheth
4.Name of Consultant	Goldfinch Engineering Systems Private Limited.
5.Type of project	Manufacturing of Dye intermediates and Speciality chemicals
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Plot No. B, CFC
9.Taluka	Kalyan
10.Village	Dombivli
Correspondence Name:	Mr. Rajiv Sheth (Managing Director)
Room Number:	201/B,
Floor:	Runwal and Omkar Esquare,
Building Name:	Opp. Sion Chunabhatti Signal,
Road/Street Name:	Eastern Express Highway,
Locality:	Sion (E) 400022
City:	Mumbai, Maharashtra
11.Area of the project	MIDC, Dombivli, Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 7546
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.)	11620 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.):
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	47500000


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
2	Not applicable	Not applicable	Not applicable
3	Not applicable	Not applicable	Not applicable
4	Not applicable	Not applicable	Not applicable
5	Not applicable	Not applicable	Not applicable
6	Not applicable	Not applicable	Not applicable
7	Not applicable	Not applicable	Not applicable
8	kltsNot applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	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	2 Naphthyl amine 3,6,8 trisulfonic acid	5 TPA	0	5 TPA
2	2-Acetyl Amino 6-Aminophenol 4-Sulphonic Acid	50 TPA	(+) 50 TPA	100 TPA
3	Para Phenylene Diamine Di-Sulphonic Acid	40 TPA	(+) 30 TPA	70 TPA
4	3(Phenyl sulfonyl) Benzene Sulfonic Acid	50 TPA	(+) 30 TPA	80 TPA
5	Ortho-Nitro Amino Phenol Sulphonic Acid	40 TPA	(-) 40 TPA	0
6	2- Acetyl Aminophenol	5 TPA	0	5 TPA
7	4- Chloro 2 Amino Phenol 5 Sulfuric acid	10 TPA	(+) 15 TPA	25 TPA
8	4- Chloro 5- Nitro 2 Amino Phenol	10 TPA	0	10 TPA
9	6- Nitro 2- Amino Phenol 4 Suphonic Acid	10 TPA	(+)50 TPA	60 TPA
10	Sodium Salt sulfo N N Base	30 TPA	(+)10 TPA	40 TPA
11	Meta Sulfophenyl Gamma Acid	10 TPA	0	10 TPA
12	5- Nitro 2-Amino Phenol	70 TPA	(+)130 TPA	200 TPA
13	3, 4 dichloro aniline 6 sulfonic acid	5 TPA	(-) 5 TPA	0
14	5 Amino 6 Methyl Benzimidazolone	80 TPA	(+) 40 TPA	120 TPA
15	Anthroniloyl Anthranilic Acid	5 TPA	0	5 TPA


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16	Sodium Trichloro Benzene Sulfonate	5 TPA	(+) 10 TPA	15 TPA
17	Diazo Ester	8 TPA	(+) 12 TPA	20 TPA
18	4,4'-Diamino 2-Methyl Azo Benzene	10 TPA	0	10 TPA
19	2,3 Dimethyl,2,3 Diphenyl Butane Dicumene	95 TPA	(+) 55 TPA	150 TPA
20	Diazo chloride	1 TPA	0	1 TPA
21	Diazo phosphate	2 TPA	(-) 2 TPA	0
22	2,5-Dichloro p-Phenylene Diamine	15 TPA	(+) 85 TPA	100 TPA
23	N- Ethyl Carbazole	10 TPA	(+)10 TPA	20 TPA
24	Para Amino n- Methyl Acetanilide	5 TPA	(-) 3 TPA	2 TPA
25	2 N-Carboethoxy amino 5-Naphthol 7-Sulfonic acid	10 TPA	0	10 TPA
26	4-Chloro Anthranilic acid	5 TPA	0	5 TPA
27	5-Chloro 8-Hydroxy Quinoline	100 TPA	(+)100 TPA	200 TPA
28	2,5-Dimethoxy aniline 4-Sulfo phenylamide	5 TPA	(-) 5 TPA	0
29	3-Methyl 6-Tertiary Butyl Phenol	5 TPA	(-) 5 TPA	0
30	4,4'-Thiobis(2-t-butyl-5-methylphenol)	5 TPA	(-) 5 TPA	0
31	4-(2 Chloro-Ethyl Sulfonyl) Butric Acid	20 TPA	(-) 20 TPA	0
32	2-Chloro 4-(2 Chloro-Ethyl Sulfonyl) Butric Acid	10 TPA	(+) 70 TPA	80 TPA
33	2,4,6-Tri [(2,4-DiHydroxy 3-Methyl) Phenyl] 1,3,5-Triazine	15 TPA	(+) 60 TPA	75 TPA
34	2-(4,6-Di Phenyl - 1,3,5-Triazine -2-yl) -5-(2-Hydroxyethoxy) Phenol	2 TPA	(+) 38 TPA	40 TPA
35	2,3 - Dibromo propanyl chloride	5 TPA	(+) 5 TPA	10 TPA
36	2-Amino 4[(2,3-Di Bromo 1-oxopropyl) amine], Benzene sulfonic acid	5 TPA	0	5 TPA
37	3-Amino-4-((4- amino 2 sulfophenyl)-Diazenyl)5 hydroxynaphthalene,2,7 Disulfonic acid.	10 TPA	(+) 10 TPA	20 TPA
38	4,4'-Diamino Diphenyl Amine Sulphate	2 TPA	(+) 8 TPA	10 TPA
39	Anilino methane sulfonic acid	5 TPA	0	5 TPA
40	Paracresidene Sulfomethyl Amide	5 TPA	0	5 TPA
41	2 amino -4- chloro 5-Sulphonamide	5 TPA	(-) 5 TPA	0
42	Tri Methyl benzindol derivative	0.15 TPA	0	0.15 TPA
43	Cuprate (2- (1-amino-4- hydroxyl 3-(2- hydroxyl-5-sulfophenyl)azo-4,5-dimethoxy phenyl) azo-2-Napthalene sulfonic acid	0	50 TPA	50 TPA
44	3-(4-Chloro-2- Fluro-5-mercaptophenyl)-1-Methyl-6-triFluoromethyl, H-pyrididine-2-,4-dione	0.00	6 TPA	6 TPA
45	DiAmino Benzoic Acid	0.00	2 TPA	2 TPA
46	3,3Dinitro Di Phenyl sulfone	0.00	10 TPA	10 TPA
47	2,2-bis(4-hydroxy-3-nitrophenol,hexafluro) propane	0.00	10 TPA	10 TPA
48	3-(Dibromo Propionyl) Amido-Benzoyl K-Acid	0.00	5 TPA	5 TPA
49	3,7-Diamino-2-,8-Dimethyl dibenzothionphene 5,5 Dioxide hydrochloride	0.00	3 TPA	3 TPA
50	3(2-Chloro propionyl aniline)propionic acid methyl ester	0.00	10 TPA	10 TPA
51	1- Bromonaphthalene	0.00	1 TPA	1 TPA
52	1,(2-Benzoyl)-3,3,3, Tri Fluoro Acetone	0.00	0.1 TPA	0.1 TPA
53	1,(2-Naphthoyl)-3,3,3, Tri Fluoro Acetone	0.00	0.1 TPA	0.1 TPA
54	1,(2-Theonyl)-3,3,3, Tri Fluoro Acetone	0.00	0.1 TPA	0.1 TPA
55	2 Chloro Paraphenylene Diamine	0.00	10 TPA	10 TPA
56	By- products	-	-	-
57	Zinc Chloride	100 TPA	170 TPA	270 TPA
58	Ortho Toludine Diamine	0.000	180 TPA	180 TPA

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	20	0	20	5	0	5	15	0	15 To STP
Industrial Process	85	121	206	4	6	10 (8 Reuse)	81	115	196
Cooling tower & thermopack	60	105	165	58	103	161 (15 reuse)	2	2	4
Gardening	20	0	20	20	0	20	0	0	0


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Fresh water requirement	185	226	411	87	109	196	98	117	215
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	60 m
	Size and no of RWH tank(s) and Quantity:	100 m ³
	Location of the RWH tank(s):	Near underground storage tanks
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	4 .80 lacs
	Budgetary allocation (O & M cost) :	1 lacs
Details of UGT tanks if any :	2 Nos, 1) Capacity 120000 lts, 2) Capacity 200000 lts U/G class A solvent storage tanks approved by CCoE (4nos) 4* 10000 lts= 40000 lts.	

35.Storm water drainage	Natural water drainage pattern:	Proper and separate storm water drains will be provided as per natural slope
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	Existing - 15 CMD, and proposed sewage will be treated in proposed STP and shall be used for gardening.
	STP technology:	Primary Secondary and Tertiary
	Capacity of STP (CMD):	1 no. and 20 CMD
	Location & area of the STP:	Near Main gate
	Budgetary allocation (Capital cost):	18.5 lacs
	Budgetary allocation (O & M cost):	1.5 lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	MUD and CIVIL waste
	Disposal of the construction waste debris:	For land filling at sites after completion of civil works

Waste generation in the operation Phase:	Dry waste:	Coal Ash - 20 T/M; Paper waste - 0.012 T/M
	Wet waste:	Used/Spent oil, Waste/ residues containing oil, Process waste sludge, Chemical sludge from waste water treatment, MEE Solids, Spent carbon, Sludge from treatment of waste water arising out of cleaning/ disposal of barrels/ containers, Discarded containers/ barrels/liners contaminated with hazardous wastes/ chemicals.
	Hazardous waste:	1372.865 T/A, 170315 Nos.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry	8.2 kg/day


Mode of Disposal of waste:	Dry waste:	Sale to brick manufacturers, Sale as scrap
	Wet waste:	To TTCWMA
	Hazardous waste:	To TTCWMA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be use as Manure in Gardening
	Others if any:	NA
Area requirement:	Location(s):	Plant Area, Row Material Storage Area, ETP, Office Building
	Area for the storage of waste & other material:	Raw material Storage yard - 950 sq.m, Product storage area - 1490 sq.m, ETP & STP - 550 sq.m, Office building - 150 sq.m
	Area for machinery:	Plant area - 3910 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	52. 72 crs.
	O & M cost:	10 lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	1.0- 2.0	7.0- 8.0	5.5- 9.0
2	COD	mg/l	30000-40000	150-250	<250
3	BOD (3 days 27° C)	mg/l	8000-10000	80-100	<100
4	TSS	mg/l	1200-1500	50-100	<100
5	TDS	mg/l	90000-100000	1000-2000	<2100
6	TAN	mg/l	<700	<50	<50
7	Oil & Grease	mg/l	30-40	5-10	<10
Amount of effluent generation (CMD):		200 CMD			
Capacity of the ETP:		250 CMD			
Amount of treated effluent recycled :		Nil			
Amount of water send to the CETP:		200 CMD			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Wastewater will be treated in upgraded ETP which consists of Pretreatment in MEE, Primary, secondary and Tertiary treatment			
Disposal of the ETP sludge		To TTCWMA			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent oil	5.1	T/A	0.204	0.036	0.24	To CHWTSDF
2	Waste/ residues containing oil	5.2	T/A	0.60	0.15	0.75	To CHWTSDF
3	Process waste sludge	26.1	T/A	60	80	140	To CHWTSDF
4	Chemical sludge from waste water treatment	34.3	T/A	6	105.6	111.6	To CHWTSDF
5	MEE Solids	34.3	T/A	-	1089	1089	To CHWTSDF
6	Spent carbon	35.3	T/A	12.2	19	31.2	To CHWTSDF


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7	Sludge from treatment of waste water arising out of cleaning/ disposal of barrels/ containers	33.2	T/A	0.060	0.015	0.075	To CHWTSDF
8	Discarded containers/ barrels/liners contaminated with hazardous wastes/ chemicals	33.3	Nos	68120	102195	170315	Recycle and Reuse for hazardous waste storage

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	COAL	1	30	0.57	119°c
2	Boiler	Furnace oil	1	30	0.57	119°c
3	DG 1	HSD	1	7.62	0.230	131°c
4	DG 2	HSD	1	7.62	0.230	131°c
5	DG 3	HSD	1	7.62	0.230	131°c

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	3.8 TPD	1.0 TPD	4.8 TPD
2	Furnace oil	1.0 TPD	2.2 TPD	3.2 TPD
3	HSD	1.92 KLD	0.96 KLD	2.88 KLD
41.Source of Fuel		local market/Import		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	Total RG area :	1061 Sq. m.
	No of trees to be cut :	No
	Number of trees to be planted :	sufficient green belt is already developed. Around 235 trees are planted and maintained.
	List of proposed native trees :	Number of trees already planted
	Timeline for completion of plantation :	Nil


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	NA	NA	NA	NA

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


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47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing Power requirement : 1.2 MW
	During Operation phase (Demand load):	Proposed power requirement : 0.3 MW (Total 1.5 MW)
	Transformer:	1000 KVA
	DG set as Power back-up during operation phase:	Existing 2 nos. - 250 KVA each; Proposed 1 no -250 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
Air	Scrubbers, Multi-cyclone Dust collector/ ventury wet scrubber for coal fired boiler and Chimney of adequate height	Already installed
Water	Effluent Treatment Plant	Upgradation/ Improvement in treatment scheme
Noise	PPE, Acoustic enclosure	PPE, Acoustic enclosure
Solid Waste	Hazardous waste is being disposed to CHWTSDF	Hazardous waste will be disposed to CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10 lakhs
	O & M cost:	4 lakhs

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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


b) Operation Phase (with Break-up):



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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	-	170	35
2	Water Pollution Control	-	446	375
3	Noise Pollution Control	-	3	0.3
4	Environment Monitoring and Management	-	20	9
5	Occupational Health	-	9	20
6	Green Belt	-	5	10
7	Solid waste management	-	15	10
8	CSR activity	-	2% of profit	2% of profit


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
2:4 DiChloro Aniline	Liquid	Ware House	1	1	0.005	Local	By Road
Acetic Anhydride	Liquid	Tank Farm	15	13	0.05	Local	By Road
Acetone	Liquid	Tank Farm	10 KL	9 kl	0.015	Local	By Road
Aluminium Chloride	Solid	Ware House	2	2	0.35	Local	By Road
Aniline	Liquid	Ware House	1	1	0.150	Local	By Road
Benzene	Liquid	Ware House	2	2	0.06	Local	By Road
Bromine liquid	Liquid	Ware House	0.5	0.5	0.025	Local	By Road
Chlorosulphonic Acid	Liquid	Tank Farm	15	10	0.800	Local	By Road
Cumene	Liquid	Tank Farm	10 KL	9 kl	0.12	Local	By Road
Cyclohexane	Liquid	Ware House	2	2	0.35	Local	By Road
Cynuric Chloride	Solid	Ware House	2	2	0.175	Local	By Road/air/sea
Di chloro Ethane	Liquid	Ware House	0.5	0.5	0.003	Local	By Road
Dimethyl Sulfate	Liquid	Ware House	5	5	0.300	Local	By Road
Ethyl Acetate	Liquid	Ware House	0.019	0.019	0.001	Local	By Road
Ethylene Di chloride	Liquid	Ware House	0.5	0.5	0.15	Local	By Road
Ethylene chloride	Liquid	Ware House	2	2	0.07	Imported	By Road/air/sea
Formaldehyde	Liquid	Ware House	0.5	0.5	0.03	Local	By Road
formic Acid	Liquid	Ware House	0.5	0.5	0.01	Local	By Road
Glacial Acetic Acid	Liquid	Tank Farm	10	8	0.306	Local	By Road
Gas Ammonia	Gas	Shed	1.25	1.25	0.6	Local	By Road
Hydrochloric Acid	Liquid	Tank Farm	50	40	5	Local	By Road
Hydrogen Peroxide	Liquid	Ware House	0.5	0.5	0.5	Local	By Road
Iodine	Solid	Ware House	0.2	0.2	0.005	Local	By Road
Iso Propyl Alcohol	Liquid	Tank Farm	1	1	0.2	Local	By Road
Liq. chlorine	Liquid	Tank Farm	1.8	1.8	0.5	Local	By Road


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Liquor Ammonia	Liquid	Tank Farm	20	18	0.4	Local	By Road
Methanol	Liquid	Tank Farm	20KL	18 Kl	1	Local	By Road
Napthalene	Solid	Ware House	0.05	0.05	0.002	Local	By Road
N-Hexane	Liquid	Tank Farm	10	10	0.650	Local	By Road
Nitric acid 72%	Liquid	Tank Farm	30	25	1	Local	By Road
Nitric acid 98%	Liquid	Tank Farm	10	8	2.5	Local	By Road
O-Xylene	Liquid	Tank Farm	19 klts	19 lts	0.001	Local	By Road
Oleum 23%	Liquid	Tank Farm	60	55	1.4	Local	By Road
Oleum 65%	Liquid	Tank Farm	60	55	0.5	Local	By Road
Para phenylene Diamine	Solid	Ware House	2	2	0.1	Local	By Road
Raney Nickel	Solid	Ware House	50	50 kg	0.005	Local	By Road
Sodium Hydro Sulfite	Solid	Ware House	0.05	0.05	0.05	Local	By Road
Sulphuric acid	Liquid	Tank Farm	60	55	8	Local	By Road
Tri ethyl Amine	Liquid	Ware House	1	1	0.035	Local	By Road
Thyonil chloride	Liquid	Tank Farm	2	2	0.5	Local	By Road
Toluene	Liquid	Tank Farm	10 Kl	9 Kl	1	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
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	1357 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


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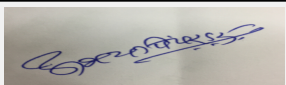
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not in the vicinity.
	Category as per schedule of EIA Notification sheet	5(f) B
	Court cases pending if any	NO
	Other Relevant Informations	Nil
	Have you previously submitted Application online on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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

DECISION OF SEAC

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 149th Day-1 Meeting Date: April 2, 2018	Page 71 of 81	Signature:  Name: Dr. Umakant Gangotree Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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During deliberations PP informed that the proposal was already appraised and recommended by the SEAC-1 in their 120th meeting held on 29th and 30th January 2016 however the proposal was not forwarded to the SEIAA for prior Environmental Clearance..

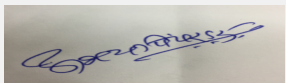
SEAC decided to forward the proposal to SEIAA for further decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION


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

SEAC-AGENDA-00000000062


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

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

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

SEAC Meeting number: 149th Day-1 Meeting Date April 2, 2018

Subject: Environment Clearance for Proposed Arvi Lift Irrigation Scheme with Total CCA: 8400 Ha

Is a Violation Case: No

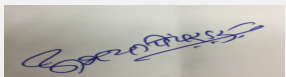
General Information: Venue: CSIR- National Chemical Laboratory (NCL) Guesthouse, Pashan Road, Pune- 411008.

1.Name of Project	Proposed Arvi Lift Irrigation Scheme with Total CCA: 8400 Ha at Arvi Taluka of Wardha District, MS
2.Type of institution	Government
3.Name of Project Proponent	M/s. Vidarbha Irrigation Development Corporation
4.Name of Consultant	SMS ENVO CARE LTD
5.Type of project	Lift Irrigation Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Dhanodi
9.Taluka	Arvi
10.Village	Dhanodi
11.Area of the project	NA
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: 3rd Administrative Approval granted from VIDC on Dated 18.8.2009
	Approved Built-up Area: 8400
13.Note on the initiated work (If applicable)	Dam was already developed. There is no work is initiated which associated with Lift Irrigation
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	3rd Administrative Approval granted from VIDC on Dated 18.8.2009
15.Total Plot Area (sq. m.)	Not applicable
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.): 8400
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	2670000000

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))	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	Dam is already Develop on Wardha River
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	Not Applicable	Not Applicable	Not Applicable	Not Applicable


32.Total Water Requirement

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


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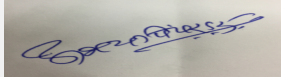
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water 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
Water Requirement									
Fresh water requirement	Not applicable	24.03 Mmc	24.03 Mmc	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Not applicable as this is Lift Irrigation Project to irrigate 8400 Ha CCA area
	Size and no of RWH tank(s) and Quantity:	As above
	Location of the RWH tank(s):	As above
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Cost of the same is included with total project cost
	Budgetary allocation (O & M cost) :	Cost of the same is included with total project cost
	Details of UGT tanks if any :	Not Applicable

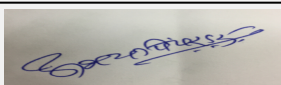

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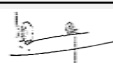
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35.Storm water drainage	Natural water drainage pattern:	Not applicable as this is Lift Irrigation Project to irrigate 8400 Ha CCA area
	Quantity of storm water:	As above
	Size of SWD:	As above
Sewage and Waste water	Sewage generation in KLD:	Not Applicable
	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:	Domestic waste from construction labor shall be generated. The same shall be managed properly
	Disposal of the construction waste debris:	Debris and other construction waste shall be stored and reused for refilling
Waste generation in the operation Phase:	Dry waste:	Minimum domestic waste from operation phase shall be generated. The same shall be managed properly
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	All the waste shall be stored seperatly and shall be managed properly
	Wet waste:	as above
	Hazardous waste:	No hazardous waste shall be generated
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	8400 ha area which will be irrigated by the scheme
	Area for the storage of waste & other material:	Proper area shall be provided to store the waste so as to collect properly
	Area for machinery:	Storage area shall be provided for machinery
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Already included in capital cost
	O & M cost:	Already included in capital cost
37.Effluent Charecterestics		


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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	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

42.Mode of Transportation of fuel to site


Not Applicable

43.Green Belt Development

Total RG area :	Not applicable
No of trees to be cut :	No tree of other vegetation shall be removed. If required, plant shall be removed scientifically so that can be replanted at another place
Number of trees to be planted :	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place
List of proposed native trees :	AS above
Timeline for completion of plantation :	Plantation will be done on regular basis and wherever required

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	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place
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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	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place	Proper plantation including Tree, Shrubs ans small plants shall be planted at every available place

47.Energy


Power requirement:	Source of power supply :	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	During Construction Phase: (Demand Load)	AS above
	DG set as Power back-up during construction phase	DG set shall be made available for emergency power supply
	During Operation phase (Connected load):	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	During Operation phase (Demand load):	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	Transformer:	Required power shall be sourced from Arvi 132 Kv substation to Pump House which is 16 km. Peak requirement of power shall be 21 Hr/ day. Power consumption including all type of power in the whole system should not exceed 4.2 MW in 15 years of life time. Required sanction from MSEDCL shall be secured.
	DG set as Power back-up during operation phase:	DG set shall be made available for emergency power supply
	Fuel used:	Fuel shall only be required to run the DG set, if required
	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

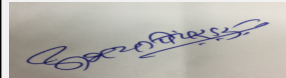

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50.Details of pollution control Systems							
Source	Existing pollution control system		Proposed to be installed				
Dust pollution during construction	Not applicable		Water sprinkling shall be done on regular basis				
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2670000000					
	O & M cost:	Include in Capital 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	Total Environmental Management Plan cost (Including construction and operation phase)	Not applicable	57.0				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Total Environmental Management Plan cost (Including construction and operation phase)	Not applicable	57.0	10.0			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	Not applicable					


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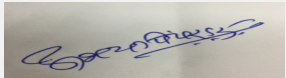
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Dr. Umakant Dangat (Chairman SEAC-I)

Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Required area shall be provided for parking
	Area per car:	AS above
	Area per car:	AS above
	Number of 2-Wheelers as approved by competent authority:	As above
	Number of 4-Wheelers as approved by competent authority:	As above
	Public Transport:	Public transport facility is available within the approachable distance
	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	No any type of protected area are falling within 10 km red
	Category as per schedule of EIA Notification sheet	Item 7 (h) in EIA Notification, 14th September 2006
	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	30-05-2017


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 water sprinkling during the excavation work to reduce dust pollution, the excavation will be carried out during non crop seasons only. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits.
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	Not Applicable
Drainage pattern of the project	Not Applicable


Abhay Pimparkar (Secretary SEAC-I)

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 (Chairman SEAC-I)**

Ground water parameters	Not Applicable
Solid Waste Management	PP committed to use excavated soil for covering of the pipelines.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	Required power for the pump house will be sourced from Arvi 132KV substation.
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	PP prepared action plan for any water leakages in the pipelines. PP proposes SCADA system to control and handle the leakage scenario.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposed EMP cost of Rs.57.00 Lakh. in the report.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

PP obtained TOR from earlier SEAC-I in their 80th meeting held on 30th and 31st May,2014. The case was discussed on the basis of the presentation made by PP. During 80th meeting PP accepted that they have started the activity on site without prior Environment Clearance and SEAC-I seems the violation and referred the proposal to Environment Department. But looking at the requirement of water for drinking and irrigation purpose approved the TOR for the preparation of EIA report.

The Environment Department has withdrawn the proposed directions issued to the PP on 18.02.2016. PP has conducted public hearing on 18.04.2017. Hence committee decided to appraise the proposal.

DECISION OF SEAC


SEAC decided to recommend the proposal to SEIAA for the grant of prior Environment Clearance.

Specific Conditions by SEAC:

2) PP to include conditions as committed in compliance report in the tender condition of the project and agreement with the contractors of the project so as to ensure preservation of surrounding environment during execution of the project.


FINAL RECOMMENDATION

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


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

**SEAC Meeting No: 149th Day-1 Meeting Date:
April 2, 2018**

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