

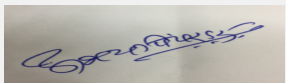
152nd Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 152nd (Day-1) Meeting Date June 12, 2018

Subject: Environment Clearance for Proposed expansion of capacity by construction of 1x 2500 KL additional above Ground tank for storage of MS and 2x 180 KL Underground Tank for Ethanol storage


Is a Violation Case: No

1.Name of Project	Proposed expansion of capacity by construction of 1x 2500 KL additional above Ground tank for storage of MS and 2x 180 KL Underground Tank for Ethanol storage
2.Type of institution	Semi Government
3.Name of Project Proponent	Hindustan Petroleum Corporation Limited (HPCL)
4.Name of Consultant	Name: ABC Techno Labs India Pvt. Ltd. ; Head office : No. 2, 2nd street, Thangam Colony, Anna Nagar West, Chennai - 600 040 ; Regional Office : A-355, Balaji Bhavan, Plot 42 A, Sect 11, CBD Belapur, Navi Mumbai 400614 ;Tel : 022-2758 0044/55; Email ID: chaitanyasathe@abctechnolab.com
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of 20070 KL plant to 22930 KL (.i.e 1 x2500 KL above ground MS tank and 2 x180 capacity KL of underground Ethanol tanks)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	77,180-183,188-192; Manmad-Nandgaon Road, Village- Panewadi,
9.Taluka	Nandgaon
10.Village	Panewadi
Correspondence Name:	Sunil C. Nandankar
Room Number:	-
Floor:	1st Floor
Building Name:	Jyoti Medical Store
Road/Street Name:	Datt Mandir Road
Locality:	Shivaji Nagar -01
City:	Manmad, Dist: Nashik
11.Area of the project	Gram Panchayat , Panewadi village
12.IOD/IOA/Concession/Plan Approval Number	Factory Office -Nashik RO & PESO IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work will be initiated without obtaining Environmental Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	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	90000000


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

22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23. Number of tenants and shops	Not applicable		
24. Number of expected residents / users	Not applicable		
25. Tenant density per hectare	Not applicable		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 Meter (Nearest Fire Station is at Manmad)		
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	It is an expansion project and the proposed expansion will occur in the existing plant premises.		
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	MS	1x1600 KL, 2 x 1200 KL, 1X70 KL,	1x2500 KL	4970 KL
2	Ethanol	1X70 KL, 1x 80 KL	2X180 KL	510 KL
3	HSD	2X7000 KL, 1X1600 KL, 1X70 KL	0	15670 KL
4	SKO	1X70 KL	0	70 KL

32. Total Water Requirement



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


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	3	0	3	1.8	0	1.8	1.2	0	1.2


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	-
	Size and no of RWH tank(s) and Quantity:	01
	Location of the RWH tank(s):	Back side of existing Tank farm area
	Quantity of recharge pits:	01
	Size of recharge pits :	2m x3m
	Budgetary allocation (Capital cost) :	Rs. 1 ,00,000
	Budgetary allocation (O & M cost) :	Rs. 50,000
	Details of UGT tanks if any :	-
35.Storm water drainage	Natural water drainage pattern:	Natural drainage pattern is preserved.
	Quantity of storm water:	-
	Size of SWD:	Width 0.5 Meter Depth 0.75 Meter
Sewage and Waste water	Sewage generation in KLD:	1.2
	STP technology:	Soak pit and and septic tanks are provided for discharge of domestic sewage.
	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:	The solid waste generation on the proposed site will be due to the various construction materials like cement, brick, steel, sand stone, paint and varnishes.
	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works and metal scraps will be sold to registered scrap dealers as per corporation procedure.
Waste generation in the operation Phase:	Dry waste:	3
	Wet waste:	2
	Hazardous waste:	1KL/ tank : Sludge from cleaning of petroleum product storage tanks (Once in 5 years)
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	-
	Others if any:	Not Applicable
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Mode of Disposal of waste:	Dry waste:	Handed over to authorized vendor for further handling and disposal.
	Wet waste:	The composted waste will be used as manure for landscape development.
	Hazardous waste:	Tank bottom sludge is disposed through CHWTSDF, Pune
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	-
	Others if any:	Not Applicable
Area requirement:	Location(s):	Within the plant premises
	Area for the storage of waste & other material:	-
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	30,000
	O & M cost:	10,000

37. Effluent Characteristics

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

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge and Filter contaminated with oil	3.3	MT	0.8	0	0.8	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	D.G. set	HSD	1	10 m tr. AGL respectively for DG set	-	-

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	30 L/ Hr	0	30 L/ Hr

41. Source of Fuel From petroleum retail outlets


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42.Mode of Transportation of fuel to site	By road
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43.Green Belt Development	Total RG area :	42734.80
	No of trees to be cut :	Nil
	Number of trees to be planted :	2500
	List of proposed native trees :	Azardirachta indica, Bauhinia purpurea, Cassia fistula, Ficus religiosa, LARGERSTROEMIA FLOSREGINAE, Mangifera Indica, Michelia champaca, Millingtonia hortensis, Plumeria alba, Plumeria rubra, Putranjivarox burghii , Saraca asoca, Tabebuia rosea
	Timeline for completion of plantation :	Green belt has already been developed in the plant.

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	Azardirachta indica	Neem	-	Native, Medicinal value, to control soil erosion, Evergreen
2	Bauhinia purpurea	Raktachandan	-	Fragrant flowers or leaves, evergreen tree
3	Cassia fistula	Bahava	-	Medicinal value, Drought tolerant species, ornamental, flowering plant
4	Ficus religiosa	Peepal	-	Medicinal plants, antibacterial, antifungal, very sacred tree, Shade giving
5	Largerstroemia flosreginae	Tamhan	-	Creates shade, attracts birds/butterflies/bees, good for screening
6	Mangifera Indica	Mango	-	Fruit plant, fragrant flowers or leaves, attracts birds/butterflies/bees
7	Michelia champaca	Son chafa	-	Fragrant flowers or leaves, attracts birds/butterflies/ bees, evergreen tree
8	Millingtonia hortensis	Jasmine	-	Fragrant flowers or leaves, plant for pooja, evergreen tree
9	Plumeria alba	Dev chafa	-	Flowering, Fast Growing, Hardy, Ornamental form
10	Plumeria rubra	Frangipani, Red Plumeria	-	Flowering, Medicinal value, Fast Growing, Hardy, Ornamental
11	Putranjivarox burghii	Jivanputra, Patravanti	-	Medicinal value, ornamental, Indigenous, Pollution resistant plant
12	Saraca asoca	Sita Ashok, Jasundi	-	Indigenous, Pollution resistant, gives shade
13	Tabebuia rosea	Basant rani	-	Flowering, Shade giving, Drought Tolerant

45.Total quantity of plants on ground

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



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

47. Energy

Power requirement:	Source of power supply :	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	200 KVA
	Transformer:	-
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	None present

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:	10,0000
	O & M cost:	50,000

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	Dust control	0.5
2	Site Sanitation, Safety & Disinfection	Workers Health	2
3	Environmental Monitoring	Air, Water, Soil, Noise sampling & testing	0.5


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4	Health Check-up	Routine health check-up for workers	0.5
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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	-	1	0.5
2	Water pollution control	-	6	2
3	Occupational health	Routine health check-up for workers	0.5	1
4	Green belt development	Tree plantation and green area development	1	0.5
5	Solid waste management	-	0.3	0.1
6	Environmental monitoring and management	Air, water, noise, soil sampling and testing	0.5	0.3

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
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:	-
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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	-
	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):	-
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None in 10 km radius
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	None
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-12-2015


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


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PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 129th meeting of SEAC-I held on 16th to 18th June, 2016 wherein ToR was granted by the SEAC-I.

PP informed that Public Hearing was conducted on 08.02.2017.

PP submitted the EIA /EMP reprot for appraisal in 145th meeting held on 29.12.2017 wherein proposal was deferred till PP submits complianc eof following points,

1. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.
2. Since the PP is dependent on ground water for its various needs, a yield certificate from GSDA to be submitted along with permission to draw the ground water.
3. PP to submit detailed action plan for rain water harvesting at the project site.
4. PP to submit detailed Emergency Evacuation Plan.
5. PP to submit water balance including water required for domestic purpose, gardening, fire fighting etc.
6. PP to provide adequate capacity STP and submit design details.
7. PP to prepare specific CSR plan based on needs identified during public hearing and in consultation with District Collector and submit implementation plan with timelines.
8. PP to submit action plan for achieving 33% green belt area; PP to ensure land width not less than 1500 tress/Ha, giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and scheme for greening of roads used for the project shall also be incorporated. PP to make necessary arrangement of drip irrigation in the green belt areas so as to ensure maximum survival of the plants/trees.

Now PP submitted the compliance of above points.

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 152nd (Day-1) Meeting Date: June 12, 2018	Page 11 of 78	 Signature: Dr. Umakant Dangat Name: Dr. Umakant Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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DECISION OF SEAC

After detailed deliberations, SEAC-I decided to recommend the proposal to SEIAA for prior Environment Clearance subject to the compliance of following points.


Specific Conditions by SEAC:

1) PP to complete proposed plantation for green belt development in the monsoon season of 2018 and PP to provide drip microirrigation so as to ensure greater success..

FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000099



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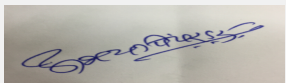
152nd Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 152nd (Day-1) Meeting Date June 12, 2018

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

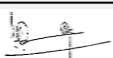
Is a Violation Case: No

1.Name of Project	Proposed Capacity Expansion of BPCL Manmad Installation at Panewadi, Manmad, Maharashtra.
2.Type of institution	Semi Government
3.Name of Project Proponent	Bharat Petroleum Corporation Limited (BPCL)
4.Name of Consultant	ABC Techno Labs India Pvt Ltd. Head Office: #400, 13th Street, SIDCO Industrial Estate (North Phase), Ambattur - 600 098, Chennai ; Regional Office: A355, Balaji Bhavan, Plot No. 42 A, Sector 11, CBD Belapur, Navi Mumbai - 400614, Maharashtra.
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Product Storage Capacity expansion by construction of three additional tanks: 1 x 858 KL (for Ethanol) & 2 x 3,415 KL each (for Biodiesel).
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The existing petroleum installation was established prior of EIA Notification 2006. The plant regularly practices the conditions laid by the PCB
8.Location of the project	Survey no 18-27 of Nagapur, Panewadi, Manmad Nandgaon Road, Manmad - 423104.
9.Taluka	Nandgaon
10.Village	Panewadi, Manmad
Correspondence Name:	Mr. Nikhil Zanvar
Room Number:	NA
Floor:	NA
Building Name:	BPCL Manmad Installation
Road/Street Name:	Manmad - Nandgaon road
Locality:	NA
City:	Manmad
11.Area of the project	Others
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 work will be initiated without obtaining Environmental Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	226 acres
16.Deductions	Not applicable
17.Net Plot area	Not applicable
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	158500000


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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23. Number of tenants and shops	Not applicable		
24. Number of expected residents / users	Not applicable		
25. Tenant density per hectare	Not applicable		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 Meter (Nearest Fire Station is at Manmad)		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable		
29. Existing structure (s) if any	Existing structures includes the Admin Building, Canteen, Drivers Rest Room, Parking area, and Storage tanks for MS, HSD, SKO, Ethanol		
30. Details of the demolition with disposal (If applicable)	Not applicable as the expansion will be carried out within the existing plants premises		

31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Motor Spirit	85460.2 KL	0	85460.2 KL
2	High Speed Diesel	234445 KL	0	234445 KL
3	Super Kerosene Oil	16700 KL	0	16700 KL
4	Ethanol	400 KL	858 KL	1258 KL
5	Bio Diesel	0	6830 KL	6830 KL

32. Total Water Requirement



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Dry season:	Source of water	Bore well							
	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	Bore well							
	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	15	0	15	0	0	0	5.8	0	5.8


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5m -10m
	Size and no of RWH tank(s) and Quantity:	2 tank = 50 X 50 m and 16 X 9 m
	Location of the RWH tank(s):	Back side of existing tank farm area
	Quantity of recharge pits:	01
	Size of recharge pits :	2m x 3m
	Budgetary allocation (Capital cost) :	100000
	Budgetary allocation (O & M cost) :	20000
	Details of UGT tanks if any :	-

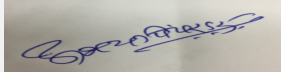
35.Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern is preserved
	Quantity of storm water:	-
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	5.8 KLD
	STP technology:	Soak pit and and septic tanks are provided for discharge of domestic sewage.
	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:	The solid waste generation on the proposed site will be due to the various construction materials like cement, brick, steel, sand stone, paint and varnishes.
	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works and metal scraps will be sold to metal recyclers

Waste generation in the operation Phase:	Dry waste:	paper , cartons, plastics etc - 4 kg approx.
	Wet waste:	Biodegradable canteen waste -8 kg approx.
	Hazardous waste:	spent batteries , waste oil , empty drums of oil/ chemicals , fluorescent tubes , 165 KL/annum tank bottom sludge (once in 5 years)
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	Handed over to authorized vendor or disposed as per applicable MSW rules 2016
	Wet waste:	The composted waste will be used as manure .
	Hazardous waste:	Total tank bottom sludge thus generated is sent to CHWTSDF Pune.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	NA
Area requirement:	Location(s):	133.44 acres
	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	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	Tanks Bottom Sludge	Hazardous	KL/Annum	160	165	165	Once in 5 years to CHWTSDF (Pune)


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	2 x 630 kVA, 1 x 300 kVA, 1 x 250 kVA	HSD	4	7	0.15	70 degree

40. Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	2 x 630 kVA, 1 x 300 kVA, 1 x 250 kVA	0	70 L/ Hr for 630 KVA, 40 L/Hr for 250 KVA, 50 L/Hr FOR 300 KVA DG set.

41. Source of Fuel	From Petroleum retail outlets
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42.Mode of Transportation of fuel to site		By Roadways		
43.Green Belt Development	Total RG area :	74.58 acres i.e. 33 % of total plot area will be developed into Green belt.		
	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	Syzigium cumini	Jambhul	NA	NA
2	Butea monosperma	Palash	NA	NA
3	Mangifera indica	Aamba	NA	NA
4	Embllica officinalis	Aawla	NA	NA
5	Anthocephalus cadamba	Kadamb	NA	NA
6	Azardiracta indica	Kalu Nimb	NA	NA
7	Tectona grandis	Saawan	NA	NA
8	Albizia lebbeck	Shirish	NA	NA
9	Bombax ceiba	Shemal	NA	NA
10	Dalbergia latifolia	Shisham	NA	NA
11	Anogeissus latifolia	Dhawada	NA	NA
12	Haldina cordifolia	Karam	NA	NA
13	Haldina cordifolia	Karam	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				


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Power requirement:	Source of power supply :	Maharashtra State Electricity Board 1150 kVA
	During Construction Phase: (Demand Load)	1150
	DG set as Power back-up during construction phase	1 x 125 kVA capacity
	During Operation phase (Connected load):	1150
	During Operation phase (Demand load):	-
	Transformer:	-
	DG set as Power back-up during operation phase:	Existing DGs 2 X 630 KVA, 1 X 250 KVA, 1 X 300 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

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
NA	NA	NA

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	Existing DGs 2 X 630 KVA, 1 X 250 KVA, 1 X 300 KVA	Dust	0.5
2	Hygiene & Sanitation	Worker Health	2
3	Environmental Monitoring	Air, Water, Soil Noise sampling & testing	0.5
4	Medical Health check up of workers	Worker Health	0.5
5	-	-	-


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/ Noise Pollution Control	Dust suppression , acoustic enclosure , vapour recovery system for tanks	3	0.3
2	Water pollution control/rain water	-	1	0.3
3	Occupational Health	Routine health check up	0.5	0.1
4	Solid Waste Management	-	0.5	0.1
5	Green Belt Development	Tree plantation and green area development	1	0.5
6	Environmental Monitoring	Air, water, noise sampling	0.5	0.2

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


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

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Separate Entry & Exit gate, Separate Emergency Exit are made available.
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	16.06 Cr
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	-
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None in 10 KM radius of the plant area
	Category as per schedule of EIA Notification sheet	6(b) Isolated storage & Handling of Hazardous chemicals
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-05-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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



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

Brief information of the project by SEAC

SEAC-AGENDA-0000000099

The ToR was granted by the SEAC - I in its 129th meeting held on 16-18th June,2016.

PP submitted the EIA/EMP and Public Hearing report for the appraisal in 148th meeting held on 27.02.2018 wherein the proposal was deferred till submission of compliance of following points.

1. PP to obtain permission from competent Authority to draw ground water.
2. PP to submit layout showing 33% green belt; PP to provide drip irrigation for the development of green belt.
3. PP to provide STP and ETP for the treatment of domestic sewage and process effluent.
4. PP to submit point wise compliance and action plan of all the issues raised in the Public Hearing.
5. PP to provide Vapor Recovery System to the storage tanks to prevent emission of vapors to the atmosphere.
6. PP to make provision of 2.5% funds for CSR in consultation with the District Collector. PP to maintain separate account for CSR and EMP.
7. PP to provide acoustic enclosure to all the DG sets on site.

Now PP submitted the compliance of above points.

DECISION OF SEAC


After deliberations with the PP and their accredited consultant, it was observed that PP has not adequately addressed the compliance of point No. 1,3,4 of the earlier meeting. Hence SEAC decided to defer the proposal till PP submits compliance of point No. 1,3,4 of earlier meeting as well as below points.

Specific Conditions by SEAC:

- 1) PP to submit revised layout plan showing area marked for green belt along with its dimensions. PP also to mark area for parking as per prevailing rules on the layout plan.
- 2) PP to provide details of CER plan as per OM dated 01.05.2018 along with timelines for its implementation.


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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152nd Meeting of State Expert Appraisal Committee (SEAC-1)

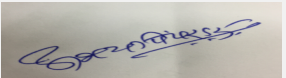
SEAC Meeting number: 152nd (Day-1) Meeting Date June 12, 2018

Subject: Environment Clearance for Proposed 26 MW bagasse based Co-generation unit with 180 operational days

Is a Violation Case: No


1.Name of Project	M/s Sahakar Maharshi Shivajirao Narayanrao Nagawade SSK Ltd, Plot No 51/1, Limpangaon Village, Tal- Shrigonda, Dist- Ahmednagar, Maharashtra
2.Type of institution	TOR
3.Name of Project Proponent	Mr. R.S.Naik
4.Name of Consultant	M/s SGM Corporate Consultants Pvt. Ltd.
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	It is a Proposed New Project of 26 MW bagasse based Co-generation Plant
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gat. No. 51/1
9.Taluka	Shrigonda
10.Village	Limpangaon
Correspondence Name:	Mr. R.S.Naik
Room Number:	Gat No. 51/1
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Not Applicable
Locality:	Village- Limpangaon, Tal- Shrigonda, District- Ahmednagar
City:	Shrigonda
11.Area of the project	Grampanchayat Limpangaon
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 5545
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	333960
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.): 5545
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	13043.50

22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable	Not applicable	Not applicable	
2	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops		Not applicable		
24.Number of expected residents / users		Not applicable		
25.Tenant density per hectare		Not applicable		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		9 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		9 m		
29.Existing structure (s) if any		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	Co-generation power plant	0	26 MW	26 MW
32.Total Water Requirement				


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Dry season:	Source of water	Ghod canal
	Fresh water (CMD):	938.4
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5111.6
	Fire fighting - Underground water tank(CMD):	1000 m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	Total Recycled water= 4120.2 m3
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	6	6	0	1	1	0	5	5
Industrial Process	0	5105.6	5105.6	0	Loss= 938.4 m3, Recycle = 4120.2 m3	Loss= 938.4 m3, Recycle = 4120.2 m3	0	53	53



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Around 70 m
	Size and no of RWH tank(s) and Quantity:	Will be detailed & given in EIA report
	Location of the RWH tank(s):	Will be detailed & given in EIA report
	Quantity of recharge pits:	Will be detailed & given in EIA report
	Size of recharge pits :	Will be detailed & given in EIA report
	Budgetary allocation (Capital cost) :	20 Lacs
	Budgetary allocation (O & M cost) :	1 Lac
	Details of UGT tanks if any :	Existing water reservoir capacity = 88500 m ³
35.Storm water drainage	Natural water drainage pattern:	Will be detailed in EIA report
	Quantity of storm water:	Will be detailed in EIA report on the basis of on site meteorological data & maximum rainfall data
	Size of SWD:	Will be detailed in EIA report
Sewage and Waste water	Sewage generation in KLD:	5
	STP technology:	Septic tank & Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	
	Budgetary allocation (Capital cost):	15 Lac
	Budgetary allocation (O & M cost):	1.5 Lac
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste debris
	Disposal of the construction waste debris:	To Authorized dealers
Waste generation in the operation Phase:	Dry waste:	Boiler Ash= 19.06 MT/D
	Wet waste:	Canteen waste
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable


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Mode of Disposal of waste:	Dry waste:	Boiler Ash- Biocomposting
	Wet waste:	canteen waste- As manure in factory green belt area
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	0.5 Acre
	Area for machinery:	BUA= 5545 sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Capital cost for plant & Machinery = 10767.48 Lacs
	O & M cost:	-

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6-6.5	5.5-8.5	5.5-8.5
2	SS	mg/lit	250-300	<100	<100
3	BOD	mg/lit	650-750	<100	<100
4	COD	mg/lit	1200-1400	<250	<250
5	TDS	mg/lit	800-950	<2100	<2100
Amount of effluent generation (CMD):		53			
Capacity of the ETP:		Existing sugar ETP of capacity 1000 CMD will accommodate the effluent from proposed co-gen unit also.			
Amount of treated effluent recycled :		36 M ³ /day			
Amount of water send to the CETP:		Nil			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		ETP technofeasibility report is attached			
Disposal of the ETP sludge		Solid waste generated from Existing sugar ETP (Primary & secondary sludge) is being dried on separated sludge drying beds. Dried sludge is used as manure in company's farm land for cultivation.			

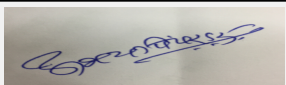

38. Hazardous Waste Details

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	Proposed co-generation unit boiler of 140 TPH	Bagasse requirement for 180 operational days = 228786.75 MT	1	70 m	4	150 ?

40. Details of Fuel to be used

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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse requirement for 180 operational days	0	228786.75 MT	228786.75 MT
41.Source of Fuel		Bagasse From Existing Sugar Unit		
42.Mode of Transportation of fuel to site		Inline conveyor system. Through RBC (Return bagasse carrier)		

43.Green Belt Development	Total RG area :	110206.8 sq.m.
	No of trees to be cut :	0
	Number of trees to be planted :	Industry have already planted 2260 No. of trees. In future industry will plant trees at the rate of about 2000 trees per hectare i.e. about 19781 trees.
	List of proposed native trees :	Attached with the application
	Timeline for completion of plantation :	Green belt development plan is attached

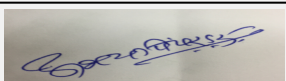
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Polyalthia longifolia	Ashoka	-	Native Plant Species
2	Aegle marmelos	Bel	-	Native Plant Species
3	Eucalyptus	Nilgiri	-	Native Plant Species
4	Cocos nucifera	Nariyal	-	Native Plant Species
5	Mangifera indica	Mango	-	Native Plant Species
6	Azadirachta indica	Neem	-	Native Plant Species
7	Ficus racemosa	Umbar	-	Native Plant Species
8	Samanea saman	Rain Tree	-	Native Plant Species
9	Tamarindus indica	Chinch	-	Native Plant Species
10	Casuarina equisetifolia	Suru	-	Native Plant Species
11	Banyan	Wad	-	Native Plant Species
12	Ficus religiosa	Pimpal	-	Native Plant Species
13	Acacia nilotica	Babul	-	Native Plant Species
14	Tabernaemontana divaricata	Tagar	-	Native Plant Species
15	Delonix regia	Gulmohar	-	Native Plant Species
16	Plumeria	Chafa	-	Native Plant Species
17	Manilkara zapota	Chiku	-	Native Plant Species
18	Terminalia catappa	Badam	-	Native Plant Species
19	Ziziphus mauritiana	Bor	-	Native Plant Species

45.Total quantity of plants on ground


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

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	0


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47. Energy

Power requirement:	Source of power supply :	Startup with MSEDCL & Susequently through own TG set.
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	Existing sugar unit DG set of 500 KVA
	During Operation phase (Connected load):	7 MW for Sugar Unit, Distillery Unit, Boiler & Utilities.
	During Operation phase (Demand load):	7 MW for Sugar Unit, Distillery Unit, Boiler & Utilities.
	Transformer:	Existing transformer of 500 KVA.
	DG set as Power back-up during operation phase:	Existing sugar unit DG set of 500 KVA
	Fuel used:	HSD for Existing sugar unit DG set of 500 KVA = 170 Kg/hr (for full load).
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

-

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Recovery of Energy from condensate, Flue Gases	-
2	Variable Frequency Drives for fans & motors	-

50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Stack of Proposed co-gen unit boiler of 140 TPH	NA	Electrostatic Precipitator

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Details will be provided in EIA
	O & M cost:	Details will be provided in EIA

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Noise, Water & Soil Pollution control & Occupational health & safety	-	2 Lacs
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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	Electrostatic Precipitator will be provided to the stack	The boiler will be equipped with high efficiency three field Electro Static Precipitator, which will remove the suspended particles and ash particles from the flue gas.	10	2
2	ETP	Existing sugar ETP of 1000 CMD will accomodate the effluent from co-gen unit also	25	2
3	Rainwater Harvesting	-	20	1
4	Occupational Health & Safety	-	5	1
5	Laboratory Monitoring & Environmental Audit	-	3	1
6	Green belt development	-	5	1

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


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

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not application
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Parking details:	Number and area of basement:	Not application
	Number and area of podia:	Not application
	Total Parking area:	Adequate space for parking will be provided
	Area per car:	Not application
	Area per car:	Not application
	Number of 2-Wheelers as approved by competent authority:	Not application
	Number of 4-Wheelers as approved by competent authority:	Not application
	Public Transport:	Not application
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Category B, Sr. No. 1 (d)
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-12-2013

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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



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

Brief information of the project by SEAC

DECISION OF SEAC

PP posted request on web site on 9th March 2018 to delist the proposal as project cost was wrongly mentioned.


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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.


SEAC-AGENT-0000000099



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152nd Meeting of State Expert Appraisal Committee (SEAC-1)


SEAC Meeting number: 152nd (Day-1) Meeting Date June 12, 2018

Subject: Environment Clearance for Proposed 26 MW bagasse based Co-generation unit with 180 operational days

Is a Violation Case: No


1.Name of Project	M/s Sahakar Maharshi Shivajirao Narayanrao Nagawade SSK Ltd, Plot No 51/1, Limpangaon Village, Tal- Shrigonda, Dist- Ahmednagar, Maharashtra
2.Type of institution	TOR
3.Name of Project Proponent	Mr. R.S.Naik
4.Name of Consultant	M/s SGM Corporate Consultants Pvt. Ltd.
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	It is a Proposed New Project of 26 MW bagasse based Co-generation Plant
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gat. No. 51/1
9.Taluka	Shrigonda
10.Village	Limpangaon
Correspondence Name:	Mr. R.S.Naik
Room Number:	Gat No. 51/1
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Not Applicable
Locality:	Village- Limpangaon, Tal- Shrigonda, District- Ahmednagar
City:	Shrigonda
11.Area of the project	Grampanchayat Limpangaon
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 5545
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	333960
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.): 5545
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	13043.50

22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable	Not applicable	Not applicable	
2	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops		Not applicable		
24.Number of expected residents / users		Not applicable		
25.Tenant density per hectare		Not applicable		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		9 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		9 m		
29.Existing structure (s) if any		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	Co-generation power plant	0	26 MW	26 MW
32.Total Water Requirement				


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Dry season:	Source of water	Ghod canal
	Fresh water (CMD):	938.4
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5111.6
	Fire fighting - Underground water tank(CMD):	1000 m3
	Fire fighting - Overhead water tank(CMD):	100 m3
	Excess treated water	Total Recycled water= 4120.2 m3
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	6	6	0	1	1	0	5	5
Industrial Process	0	5105.6	5105.6	0	Loss= 938.4 m3, Recycle = 4120.2 m3	Loss= 938.4 m3, Recycle = 4120.2 m3	0	53	53



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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Around 70 m
	Size and no of RWH tank(s) and Quantity:	Will be detailed & given in EIA report
	Location of the RWH tank(s):	Will be detailed & given in EIA report
	Quantity of recharge pits:	Will be detailed & given in EIA report
	Size of recharge pits :	Will be detailed & given in EIA report
	Budgetary allocation (Capital cost) :	20 Lacs
	Budgetary allocation (O & M cost) :	1 Lac
	Details of UGT tanks if any :	Existing water reservoir capacity = 88500 m ³
35. Storm water drainage	Natural water drainage pattern:	Will be detailed in EIA report
	Quantity of storm water:	Will be detailed in EIA report on the basis of on site meteorological data & maximum rainfall data
	Size of SWD:	Will be detailed in EIA report
Sewage and Waste water	Sewage generation in KLD:	5
	STP technology:	Septic tank & Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	
	Budgetary allocation (Capital cost):	15 Lac
	Budgetary allocation (O & M cost):	1.5 Lac
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste debris
	Disposal of the construction waste debris:	To Authorized dealers
Waste generation in the operation Phase:	Dry waste:	Boiler Ash= 19.06 MT/D
	Wet waste:	Canteen waste
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable


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Mode of Disposal of waste:	Dry waste:	Boiler Ash- Biocomposting
	Wet waste:	canteen waste- As manure in factory green belt area
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	0.5 Acre
	Area for machinery:	BUA= 5545 sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Capital cost for plant & Machinery = 10767.48 Lacs
	O & M cost:	-

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6-6.5	5.5-8.5	5.5-8.5
2	SS	mg/lit	250-300	<100	<100
3	BOD	mg/lit	650-750	<100	<100
4	COD	mg/lit	1200-1400	<250	<250
5	TDS	mg/lit	800-950	<2100	<2100
Amount of effluent generation (CMD):		53			
Capacity of the ETP:		Existing sugar ETP of capacity 1000 CMD will accommodate the effluent from proposed co-gen unit also.			
Amount of treated effluent recycled :		36 M3 /day			
Amount of water send to the CETP:		Nil			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		ETP technofeasibility report is attached			
Disposal of the ETP sludge		Solid waste generated from Existing sugar ETP (Primary & secondary sludge) is being dried on separated sludge drying beds. Dried sludge is used as manure in company's farm land for cultivation.			


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	Proposed co-generation unit boiler of 140 TPH	Bagasse requirement for 180 operational days = 228786.75 MT	1	70 m	4	150 ?

40. Details of Fuel to be used


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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse requirement for 180 operational days	0	228786.75 MT	228786.75 MT
41.Source of Fuel		Bagasse From Existing Sugar Unit		
42.Mode of Transportation of fuel to site		Inline conveyor system. Through RBC (Return bagasse carrier)		

43.Green Belt Development	Total RG area :	110206.8 sq.m.
	No of trees to be cut :	0
	Number of trees to be planted :	Industry have already planted 2260 No. of trees. In future industry will plant trees at the rate of about 2000 trees per hectare i.e. about 19781 trees.
	List of proposed native trees :	Attached with the application
	Timeline for completion of plantation :	Green belt development plan is attached


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	Polyalthia longifolia	Ashoka	-	Native Plant Species
2	Aegle marmelos	Bel	-	Native Plant Species
3	Eucalyptus	Nilgiri	-	Native Plant Species
4	Cocos nucifera	Nariyal	-	Native Plant Species
5	Mangifera indica	Mango	-	Native Plant Species
6	Azadirachta indica	Neem	-	Native Plant Species
7	Ficus racemosa	Umbar	-	Native Plant Species
8	Samanea saman	Rain Tree	-	Native Plant Species
9	Tamarindus indica	Chinch	-	Native Plant Species
10	Casuarina equisetifolia	Suru	-	Native Plant Species
11	Banyan	Wad	-	Native Plant Species
12	Ficus religiosa	Pimpal	-	Native Plant Species
13	Acacia nilotica	Babul	-	Native Plant Species
14	Tabernaemontana divaricata	Tagar	-	Native Plant Species
15	Delonix regia	Gulmohar	-	Native Plant Species
16	Plumeria	Chafa	-	Native Plant Species
17	Manilkara zapota	Chiku	-	Native Plant Species
18	Terminalia catappa	Badam	-	Native Plant Species
19	Ziziphus mauritiana	Bor	-	Native Plant Species

45.Total quantity of plants on ground

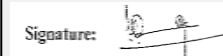
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	0


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47. Energy

Power requirement:	Source of power supply :	Startup with MSEDCL & Susequently through own TG set.
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	Existing sugar unit DG set of 500 KVA
	During Operation phase (Connected load):	7 MW for Sugar Unit, Distillery Unit, Boiler & Utilities.
	During Operation phase (Demand load):	7 MW for Sugar Unit, Distillery Unit, Boiler & Utilities.
	Transformer:	Existing transformer of 500 KVA.
	DG set as Power back-up during operation phase:	Existing sugar unit DG set of 500 KVA
	Fuel used:	HSD for Existing sugar unit DG set of 500 KVA = 170 Kg/hr (for full load).
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

-

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Recovery of Energy from condensate, Flue Gases	-
2	Variable Frequency Drives for fans & motors	-

50. Details of pollution control Systems

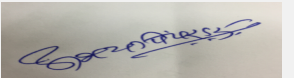
Source	Existing pollution control system	Proposed to be installed
Stack of Proposed co-gen unit boiler of 140 TPH	NA	Electrostatic Precipitator

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Details will be provided in EIA
	O & M cost:	Details will be provided in EIA

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Noise, Water & Soil Pollution control & Occupational health & safety	-	2 Lacs
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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	Electrostatic Precipitator will be provided to the stack	The boiler will be equipped with high efficiency three field Electro Static Precipitator, which will remove the suspended particles and ash particles from the flue gas.	10	2
2	ETP	Existing sugar ETP of 1000 CMD will accomodate the effluent from co-gen unit also	25	2
3	Rainwater Harvesting	-	20	1
4	Occupational Health & Safety	-	5	1
5	Laboratory Monitoring & Environmental Audit	-	3	1
6	Green belt development	-	5	1

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


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

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not application
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Parking details:	Number and area of basement:	Not application
	Number and area of podia:	Not application
	Total Parking area:	Adequate space for parking will be provided
	Area per car:	Not application
	Area per car:	Not application
	Number of 2-Wheelers as approved by competent authority:	Not application
	Number of 4-Wheelers as approved by competent authority:	Not application
	Public Transport:	Not application
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Category B, Sr. No. 1 (d)
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-12-2013

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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



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

Brief information of the project by SEAC

DECISION OF SEAC

PP posted request on web site on 9th March 2018 to delist the proposal as project cost was wrongly mentioned.


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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

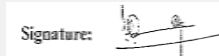
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152nd Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 152nd (Day-1) Meeting Date June 12, 2018

Subject: Environment Clearance for Storage Capacity expansion (6 x 1000 MT Mounded Storage Vessel) of LPG Bottling Plant, Chakan, Pune

Is a Violation Case: No

1.Name of Project	Storage Capacity expansion (6 x 1000 MT Mounded Storage Vessel) of LPG Bottling Plant, Chakan, Pune
2.Type of institution	Government
3.Name of Project Proponent	Hindustan Petroleum Corporation Limited, Chakan, Pune
4.Name of Consultant	Anacon Laboratories Private Limited, Nagpur
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Hindustan Petroleum Corporation Limited, Chakan, Pune
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Anacon Laboratories Private Limited, Nagpur
8.Location of the project	412A/B
9.Taluka	Khed
10.Village	Mhalunge Ingle
Correspondence Name:	Mr. A. K. Kumar
Room Number:	0
Floor:	0
Building Name:	Administrative Building
Road/Street Name:	HPCL LPG bottling Plant
Locality:	Chakan MIDC
City:	Pune
11.Area of the project	Chakan MIDC
12.IOD/IOA/Concession/Plan Approval Number	None
	IOD/IOA/Concession/Plan Approval Number: No
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Construction Work not Started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	122620
16.Deductions	0
17.Net Plot area	122620
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.):
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval: 31-03-2018
19.Total ground coverage (m2)	0
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0
21.Estimated cost of the project	1226600000

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))	8		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable		
29.Existing structure (s) if any	Existing hortons spheres		
30.Details of the demolition with disposal (If applicable)	Existing hortons spheres will be dismantled by the time of construction of proposed MSV		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Liquid Petroleum Gas	14500	3000	17500


32.Total Water Requirement

Dry season:	Source of water	MIDC water Supply
	Fresh water (CMD):	30
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	30
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	9000
	Excess treated water	0


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Wet season:	Source of water	MIDC water Supply
	Fresh water (CMD):	30
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	30
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	9000
	Excess treated water	0

Details of Swimming pool (If any)


Nil

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	04	0	4	01	0	01	3	0	0
Industrial Process	17	0	17	07	0	07	10	0	10
Gardening	09	0	09	09	0	09	0	0	0


34.Rain Water Harvesting (RWH)

Level of the Ground water table:	Details study will be Provide in EIA Report (RWH proposal Put up to management for approval)
Size and no of RWH tank(s) and Quantity:	Nil
Location of the RWH tank(s):	Nil
Quantity of recharge pits:	Details study will be Provide in EIA Report
Size of recharge pits :	Details study will be Provide in EIA Report
Budgetary allocation (Capital cost) :	Details study will be Provide in EIA Report
Budgetary allocation (O & M cost) :	Details study will be Provide in EIA Report
Details of UGT tanks if any :	No



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35.Storm water drainage	Natural water drainage pattern:	Details study will be Provide in EIA Report
	Quantity of storm water:	Details study will be Provide in EIA Report
	Size of SWD:	Details study will be Provide in EIA Report
Sewage and Waste water	Sewage generation in KLD:	03
	STP technology:	Septic tank followed by soak pit
	Capacity of STP (CMD):	1. Admin Building- 2.30 x 4.54 x 2; 2. Gate toilet- 3.80 x 8.15 x 2.5
	Location & area of the STP:	1. Admin Building; 2. Gate toilet
	Budgetary allocation (Capital cost):	0
	Budgetary allocation (O & M cost):	RS. 1,92,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste, Domestic Waste, Gardening waste
	Disposal of the construction waste debris:	The construction waste will be use for leveling. Domestic and gardening waste will be used for composting.
Waste generation in the operation Phase:	Dry waste:	Office waste and Garden waste
	Wet waste:	Domestic Waste
	Hazardous waste:	Paint residue and used /spent oil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Composting
	Wet waste:	Composting
	Hazardous waste:	Disposed off through authorized used oil re-processor / CHWSTDF
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Disposed off through Municipal solid waste collection vehicles
	Others if any:	Nil
Area requirement:	Location(s):	Paint Shop and ETP
	Area for the storage of waste & other material:	Paint Shop - DPT Shed - 11m x 25m - Paint Sludge is stored in Metallic Drums and Impervious Concrete Pit of size 3.20m x 2.70m x 1.00m STP - Septic tank via sock pit 1. Admin Building - 2.30m x 4.54m x 2.00m 2. Gate Toilet - 3.80m x 8.15m x 2.50m ETP - Sludge Dry Beds - 1.87m x 1.58m x 0.6
	Area for machinery:	Paint Shop - DPT Shed - 11m x 25m STP - Not Applicable. ETP - 11.50m x 6.00m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Nil
	O & M cost:	Paint Sludge Disposal - Rs. 45,000/- per year Approx Septic Tank Cleaning - Rs. 1,92,000/- per year Approx. ETP Operation - Rs. 2,73,000/- per year Approx.



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37. Effluent Characteristics							
Serial Number	Parameters	Unit	Inlet Effluent Characteristics		Outlet Effluent Characteristics		Effluent discharge standards (MPCB)
1	pH	NA	7.66		7.14		5.5-9
2	Total Suspended Solids	mg/l	29		<10		<100
3	Total Dissolved Solids	mg/l	946		641		<2100
4	COD	mg/l	116.92		41.58		<250
5	BOD	mg/l	31		13		<100
6	Oil and Grease	mg/l	6.0		<2.0		<10
7	Chlorides	mg/l	129.14		98.22		<600
8	Sulphate	mg/l	61.77		101.06		<1000
Amount of effluent generation (CMD):		10					
Capacity of the ETP:		10					
Amount of treated effluent recycled :		Nil					
Amount of water send to the CETP:		Nil					
Membership of CETP (if require):		Nil					
Note on ETP technology to be used		1. Effluent passes through Oil and Grease Trap and gets collected in Collection Tank 2. The collected effluent is transferred to Settling cum Treatment Tank in batches of 5KL 3. The Effluent is treated with Lime, Alum, and Polyelectrolyte for settling and sedimentation of suspended impurities. 4. Then sludge is drained to sludge drying beds and clear effluent is transferred to Treated Water Tank. 5. Clear Water is then processed through Sand and Carbon Filters and used in Gardening.					
Disposal of the ETP sludge		Collected in Sludge Drying Bed and disposed through CHWTSDF.					
38. Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Paint Residue	21.1	Kg/day	4	0	4	CHWTSDF
2	Used/Spent oil	5.1	lit/year	100	0	100	CHWTSDF
3	ETP sludge	500	Kg/Month	400	0	400	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	DG-1 (125 KVA)	HSD	1	7.50	0.1524	180- 210	
2	DG-2 (500 KVA)	HSD	1	11.30	0.2032	180- 230	
3	Fire engine- 7 nos	HSD	7	7.25	0.1016	180- 230	
40. Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	HSD	115 lit/Hr	0	115 lit/Hr			
41. Source of Fuel		HPCL Loni Terminal					
42. Mode of Transportation of fuel to site		Tank Truckes					


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43.Green Belt Development	Total RG area :	Details Provide in EIA Report
	No of trees to be cut :	Some shrubs and bushes for leveling of land
	Number of trees to be planted :	Details Provide in EIA Report
	List of proposed native trees :	Details Provide in EIA Report
	Timeline for completion of plantation :	Details Provide in EIA Report

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Details Provide in EIA Report	Details Provide in EIA Report	Details Provide in EIA Report	Details Provide in EIA Report
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Details Provide in EIA Report	Details Provide in EIA Report	Details Provide in EIA Report

47.Energy

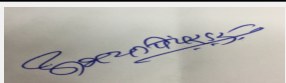
Power requirement:	Source of power supply :	Maharashtra State Electrical Distribution Co. ltd.
	During Construction Phase: (Demand Load)	Nil
	DG set as Power back-up during construction phase	DG Set used during construction phase and arranged by vendor itself.
	During Operation phase (Connected load):	477 KW
	During Operation phase (Demand load):	400 KVA
	Transformer:	630 KVA
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

40kWp Grid Tied Solar Power Plant.


49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
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1	Captive solar power plant	39 MWh annual
50.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
DG Set	Acoustic Enclosure	Ear Protecting Devices earplugs/ ear Muffs to the Workers/employs
Domestic Effluents	Domestic Effluent treated through septic / sock pit system	Nil
Industrial Effluent	ETP	Nil
Solid Waste	Composting and Disposal to authorized vendor	TSDF Site. HW storage with RCC Flooring

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Already Commissioned (Rs. 35,00,000/-)
	O & M cost:	Rs. 60,000/- per Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	SO2, NO2, PM10, PM2.5	0.50
2	Water	Ph, COD, BOD, TSS	0.50
3	Nosie	dB Level at day and Night	0.50

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	Air Monitoring	0.50	0
2	Water	Water Monitoring (Ground water + surface water)	0.5	0
3	Noise	Water Monitoring (Ground water + surface water)	0.50	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
Liquid Petroleum Gas	3 Horton Sphere	LPG Storage Area	1400x3 = 4200 MT	1400x3 =4200	14500	Mahul Refinery Mumbai, Aegis, Gandhar & BPCL Uran	By Truck Tankers


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Liquid Petroleum Gas	6 Nos. of New Proposed MSV	LPG Storage Area	6 x 1000 = 6000	6 x 1000 = 6000	17500	Mahul Refinery Mumbai, Aegis, Gandhar & BPCL Uran	By 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:	2 Nos of Security Gate
Parking details:	Number and area of basement:	None
	Number and area of podia:	None
	Total Parking area:	9500 sq.m. - Truck and Tanker Parking
	Area per car:	155 sq. m. per truck / tanker 3 sq. m. per two wheeler 70 sq. m. per four wheeler
	Area per car:	155 sq. m. per truck / tanker 3 sq. m. per two wheeler 70 sq. m. per four wheeler
	Number of 2-Wheelers as approved by competent authority:	40
	Number of 4-Wheelers as approved by competent authority:	10
	Public Transport:	None
	Width of all Internal roads (m):	7 M - 10 M
	CRZ/ RRZ clearance obtain, if any:	No required
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	6(b)
	Court cases pending if any	No


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	<p>Other Relevant Informations</p>	<p>To</p> <p>Honorable Member Secretary State Expert Appraisal Committee (SEAC1) / State Environment Impact Assessment Authority Department Of Environment, Government of Maharashtra 15th Floor, New Administrative Building, Mantralay, Mumbai-400032</p> <p>Sub.: Submission of Revised Consolidated Statement for "Proposed LPG Storage Capacity expansion of Hindustan Petroleum Corporation Limited (HPCL), at Chakan LPG Plant, Talegaon-Chakan Road, Village Mhalunge Ingle, Chakan, Pune, Maharashtra-410501" by M/s Hindustan Petroleum Corporation Limited, for grant of Environmental Clearance - regarding Terms of Reference (ToR).</p> <p>Ref.:</p> <ol style="list-style-type: none"> 1. Online SEIAA STATEMENT - 0000000362. 2. Minutes of 138th SEAC (Serial No. 5) Meeting dtd. 01st June 2017. 3. Online ToR proposal No. SIA/MH/IND2/18405/2017. <p>Respected Sir,</p> <p>We M/s Hindustan Petroleum Corporation Limited have applied for TOR as part of prior environmental clearance for proposed LPG storage capacity expansion at Chakan LPG Plant, Talegaon-Chakan Road, Village Mhalunge Ingle, Chakan, Pune, Maharashtra - 410501.</p> <p>We have presented our case for ToR approval during 138th meeting of SEAC-I held on 01/06/2017. However, during presentation, the committee advised to resubmit Online Consolidated Statement with complete information for relevant sections and same was reflected in MoM received from MHSEAC-I.</p> <p>Further, specific ToR conditions was also granted during the meeting.</p> <p>Hence, herby we are submitting the revised Consolidated Statement for your perusal.</p> <p>We request you to please accept the same and issue a formal ToR letter for the same.</p> <p>Yours faithfully</p> <p>For M/s Hindustan Petroleum Corporation Limited</p> <p>Mr. Achiti Kiran Kumar Plant Manager</p>
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	<p>Have you previously submitted Application online on MOEF Website.</p>	<p>Yes</p>
	<p>Date of online submission</p>	<p>02-02-2017</p>


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<p>Environmental Impacts of the project</p>	<p>Not Applicable</p>
<p>Water Budget</p>	<p>Not Applicable</p>
<p>Waste Water Treatment</p>	<p>Not Applicable</p>
<p>Drainage pattern of the project</p>	<p>Not Applicable</p>


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

Brief information of the project by SEAC

DECISION OF SEAC

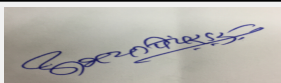
PP vide email dated 16.06.2018 requested to postpone the case.

Hence, SEAC decided to defer the proposal till PP confirms his availability.

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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152nd Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 152nd (Day-1) Meeting Date June 12, 2018

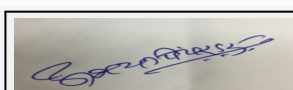
Subject: Environment Clearance for Proposed Production Capacity Enhancement of Sigma Solvents Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Sigma Solvents Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Salim Dawood Memon
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Synthetic Organic Chemical Industry Schedule 5(f), Category - B1, Brown Field Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. A-39/A-40
9.Taluka	Kalyan
10.Village	Dombivali , Phase - I MIDC
Correspondence Name:	Mr. Salim Memon
Room Number:	1502
Floor:	--
Building Name:	Adonis Raheja Acropolis
Road/Street Name:	Deonar
Locality:	--
City:	Mumbai
11.Area of the project	Phase-I MIDC Dombivali
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 916.73
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.)	2000 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.): 916.73782
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)	678.44
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	15000000

22.Number of buildings & its configuration

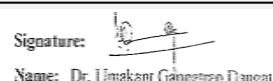
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	Not applicable	Not applicable	Not applicable
2	Not applicable	Not applicable	Not applicable
3	Not applicable	Not applicable	Not applicable
23.Number of tenants and 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))	7 meter		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter		
29.Existing structure (s) if any	Yes		
30.Details of the demolition with disposal (If applicable)	No demolition works are involved		


31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	3-Ethoxy Propyl Amine/3-Butoxy Propyl Amine/Iso Propoxy Propyl Amine	12.5,4.16 (3-Ethoxy Propyl Amine, Iso Propoxy Propyl Amine)	3.34	20.00
2	3-Methoxy Propyl Amine	12.5	187.5	200.00
3	Cyclohexyl Amino Propyl Amine	4.16	45.84	50.00
4	Dimethyl Amino Propyl Amine	4.16	45.84	50.00
5	Di-N-Propyl Amine/Dicyclohexyl Amine	--	100.00	100.00
6	N-Methyl Diamine Propane (Methyl Amino Propyl Amine)	12.5	15.5	28.00
7	N-Pentyl Amine	--	20.00	20.00
8	Propyl Amine	--	218.00	218.00
9	Dimethyl Dipropylene Tri Amine	4.16	Production will be stopped	Production will be stopped
10	1,2-Dimethyl-1,4,5,6-Tetrahydro Pyrimidine	--	10.00	10.00
11	Benzyl Amine/4-Methoxy Benzyl Amine/N Methyl Benzyl Amine	12.5 (Benzyl Amine)	87.5	100.00
12	Beta Phenyl Ethyl Amine/4-Methoxy Beta Phenyl Ethyl Amine	4.16 (Beta Phenyl Ethyl Amine)	95.84	100.00


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13	Cyclohexyl Amine/N Methyl Cyclohexyl Amine	--	138.00	138.00
14	3-Ethoxy Propionitrile	--	20.00	20.00
15	Propionitrile	12.5	87.5	100.00
16	Bi-Product: Off grade amine	--	10.15	10.15
17	Bi-Product: Ammonia (20%)	--	92.4	92.4
18	Bi-Product: Off grade nitrile	--	8.37	8.37

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
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)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	2.0	1.0	3.0	0.6	--	0.6	1.4	1.0	2.4
Industrial Process	2.5	3.6	6.1	--	2.5	2.5	2.5	4.5	7.0
Cooling tower & thermopack	14.0	104.0	118.0	12.0	94.0	106.0	2.0	10.0	12.0
Gardening	2.0	--	2.0	2.0	--	2.0	--	--	--

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 :	Fire Fighting water storage tank of 100 KL capacity

35.Storm water drainage	Natural water drainage pattern:	NA
	Quantity of storm water:	450 l/hour
	Size of SWD:	The SWD will be designed as per the quantity of storm water to be received during the rainy season taking into consideration the average annual rainfall


Sewage and Waste water	Sewage generation in KLD:	2.4
	STP technology:	Sewage wastewater will be treated in the aeration tank of the effluent treatment plant.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management


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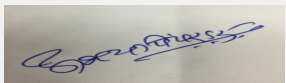
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Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction activities related wastes such as debris, scraps, excavated soil, used cement bags, iron / steel scrap and cardboards will be generated due to minor construction /realignment/modification activities of existing structures
	Disposal of the construction waste debris:	Through local Municipal waste disposal system
Waste generation in the operation Phase:	Dry waste:	Office waste such as papers and other wastes from administrative buildings
	Wet waste:	NA
	Hazardous waste:	Spent catalyst - 10.2 T/A, Spent Carbon - 3 MT/A, SEE Residue - 0.004 T/day, ETP sludge - 7.62 MT/A, Packing Waste Material - 300 kg/month, Empty drums & Carboys 100 no./month
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Through local Municipal waste disposal system
	Wet waste:	NA
	Hazardous waste:	Mumbai Waste Management Ltd. - CHWTSDF , Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Dedicated Hazardous Waste Storage Area will be provided as per plot layout
	Area for the storage of waste & other material:	9.0 sq.m.
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1,50,000.00
	O & M cost:	30,000.00


37.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	Effluent discharge standards (MPCB)
1	pH	--	3.0-4.0	7.0-8.0	6-8.5
2	TDS	mg/l	2000 - 2100	1600 - 1900	<2100
3	BOD	mg/l	2000 - 3000	80 - 90	< 100
4	COD	mg/l	5000 - 6000	200 - 240	< 250
5	O & G	mg/l	20 - 25	5 - 6	< 10
Amount of effluent generation (CMD):		21.4			
Capacity of the ETP:		ETP capacity - 10 CMD, RO capacity - 20 CMD, SEE capacity - 5 CMD			
Amount of treated effluent recycled :		16.86 CMD			
Amount of water send to the CETP:		4.5 CMD			
Membership of CETP (if require):		Company is having membership of Dombivli CETP			


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Note on ETP technology to be used	Existing: The domestic waste water is subjected to soak pit & the effluent from boiler, cooling tower blow down & process effluent is treated in ETP of 10 CMD capacity comprising of primary treatment scheme & treated effluent is further sent to CETP. Proposed: The effluent streams will be segregated into LCOD - LTDS (Effluent from manufacturing process such as reactor washing & process water and waste water from domestic activities) & LCOD - HTDS (Effluents from utilities such as scrubber and bo
Disposal of the ETP sludge	ETP sludge will be disposed off to Mumbai Waste Management Ltd. - CHWTSDF at Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Catalyst	28.2	T/A	1.2	7.8	9.0	Sale to authorized party/Disposal to Mumbai Waste Management Ltd. - CHWTSDF, Taloja
2	Spent Carbon	28.3	MT/A	--	3.0	3.0	Disposal to Mumbai Waste Management Ltd. - CHWTSDF, Taloja
3	SEE Residue	37.3	T/day	--	0.004	0.004	Disposal to Mumbai Waste Management Ltd. - CHWTSDF, Taloja
4	Distillation Residue	20.3	MT/A	1.2	3.6	4.8	Sale to authorized party/Disposal to Mumbai Waste Management Ltd. - CHWTSDF, Taloja
5	ETP Sludge	35.3	MT/A	0.12	7.5	7.62	Disposal to Mumbai Waste Management Ltd. - CHWTSDF, Taloja
6	Packing Waste Material	33.1	kg/M	100	200	300	Recycled, Reused / Sale to authorized party/ Disposal to Mumbai Waste Management Ltd. - CHWTSDF, Taloja
7	Empty Drums, Carboys	33.1	No./M	--	100.0	100.	Recycled, Reused / Sale to authorized party/ Disposal to Mumbai Waste Management Ltd. - 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	1.5 TPH steam boiler & 15 lakh kilo calorie/hour Thermic fluid heater	Furnace Oil - 7.0 T/day	1	37.24	0.5	200


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2	500 kVA D.G Set	Diesel - 276 kg/hr (D.G. Set will be operational during power failure only hence fuel consumption will depend on hours of power failure)	2	4.47 (above roof)	0.5	350
3	Ammonia scrubber	--	3	5.0 (above roof level)	0.3	--
4	High stack vent	--	4	15	0.015	--

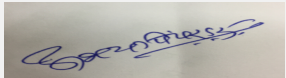
40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	Furnace Oil	1.0 T/day	7.0 T/day	7.0 T/day (since existing boilers will be sold out after expansion)	
2	Diesel	276 kg/hr (D.G. Set will be operational during power failure only hence fuel consumption will depend on hours of power failure)	276 kg/hr (D.G. Set will be operational during power failure only hence fuel consumption will depend on hours of power failure)	276 kg/hr (D.G. Set will be operational during power failure only hence fuel consumption will depend on hours of power failure) Note: Existing D.G set of 125 kVA will be sold out hence fuel consumption will remain same	
41.Source of Fuel		Furnace Oil: Local Vendor (Balaji Enterprises), Diesel: Local Vendor (Techno Auto Service)			
42.Mode of Transportation of fuel to site		By Road			

43.Green Belt Development	Total RG area :	Green belt area within factory premises: 116.55 sq. m. Green belt area adjacent to the factory premises: 651.3 sq.m., Total green belt area: 767.85 sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	113
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleicheria oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Trema orientalis, Callicarpa tomentosa, Neolamarckia cadamba, Pterospermum acerifolium
	Timeline for completion of plantation :	1 year after grant of Environmental Clearance


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

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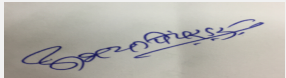

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1	Cassia fistula	Bahava	5	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	5	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltonia shcolaris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


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20	Neolamarckia cadamba	Kadamba	5	A native evergreen tree with tremendous blooms attracting large number of insects
21	Pterospermum acerifolium	Karnikar	13	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited - MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	500 kVA
	During Operation phase (Demand load):	500 kVA
	Transformer:	700 kVA
	DG set as Power back-up during operation phase:	500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

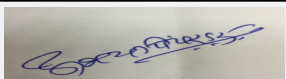
NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA


50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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800 kg/hr steam boiler & 6.0 lakh lilo calorie/hour Thermic fluid heater	Common stack of 17.0 m for both the boilers	These boilers will be sold out after expansion
1.5 TPH steam boiler & 15 lakh kilo calorie/hour Thermic fluid heater	--	Common stack of 37.24 m for both the boilers
125 kVA D.G Set	3.0 feet (above roof)	This D.G set will be sold out after expansion
Process	--	1 x Ammonia Scrubber of Dia.: 400 mm with Stack height: 5 m (above roof level) & having Tank capacity: 3.0 KL & High stack vent

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


51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	New stack of 37.24 m height for boiler & thermic fluid heater, new stack of 4.47m for D.G set, installation of 1 ammonia scrubber and high stack vent for process emissions	40.0	1.5
2	Water	Up gradation of existing 10 CMD capacity ETP with installation of 20 CMD capacity RO & 5 m ³ /day capacity SEE	73.0	10.15
3	Noise	Installation of anti-vibration pads, & Construction of enclosures for DG set & Boiler	6.0	0.75
4	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers	5.65	4.75


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5	Green Belt	Development of green belt	1.5	0.96
6	Solid Waste	Purchase of additional containers/bags for storage of solid waste, concrete paving of hazardous waste storage area	1.5	0.30

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
40% Mono Methyl amine	Liquid	Tank farm	15	15	46.89	Local	Tanker
Acetonitrile	Liquid	Enclosed shed	3.74	3.74	3.72	Local	Tanker
Acrylonitrile	Liquid	Tank farm	20	20	222.27	Import via. Kandla Port	Road (Tanker)
Ammonia	Gas	Enclosed shed	1	1	36.15	Local	Road Tanker
Benzaldehyde/ Para Anisic Aldehyde/ Cyclohexanone	Liquid	Tank farm	25	25	150.12	Local	Road Tanker/Truck
Benzyl Cyanide/4-Methoxy phenyl acetonitrile	Liquid	Tank farm	25	25	104.28	Local	Truck
Butanol	Liquid	Enclosed shed	3.4	3.4	12.5	Local	Tanker
Catalyst	Solid	Enclosed shed	0.09	0.09	0.09	Local	Truck
Cyclo Hexyl Amine	Liquid	Tank farm	25.0	25.0	69.18	Import	Road ISO Container
Dimethyl Amine	Gas	Enclosed shed	3.0	3.0	24.51	Local	Truck
Hydrogen	Gas	Cylinder storage	0.3	0.3	41.81	Local	Truck
Iso Propyl Alcohol	Liquid	Enclosed shed	3.36	3.36	13.65	Local	Tanker
Methyl Amino Propyl Amine	Liquid	Enclosed shed	2	2	8.01	Local	Tanker
Methanol	Liquid	Tank farm	10.0	10.0	137.65	Local	Tanker
Mono Methyl Amine	Gas	Enclosed shed	1.0	1.0	10.95	Local	Truck
Nitrogen	Gas	Enclosed shed	1000 m3	1000 m3	4.2	Local	Truck
Propionitrile- RM	Liquid	Tank farm	15.0	15.0	335.8	Import	Road ISO Container
Propyl Amine	Liquid	Tank farm	15	15	218	Captive generation	Tanker
Raney Nickel Catalyst(Make up)	Solid	Enclosed shed	0.3	0.3	0.75	Domestic	Road
Special Denatured Spirit	Liquid	Enclosed shed	3.2	3.2	20.16	Local	Tanker
Valeronitrile	Liquid	Enclosed shed	4.5	4.5	21.15	Import	Road Truck

52.Any Other Information


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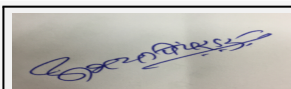
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No Information Available

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:	10.02 sq.m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	5-6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	NO
	Other Relevant Informations	<ol style="list-style-type: none"> Existing steam boiler of 800 kg/hr capacity & Thermic fluid heater of 6 lakh kilocalorie/hr will be sold out after achieving the expansion Existing D.G set of 125 kVA will be sold out of after achieving the expansion 4.5 m³/day treated effluent from ETP will sent to CETP as per the existing valid MPCB Consent now since except the consented quantity of effluent there will be no additional effluent load on the CETP hence the proposed expansion activity will be Zero Liquid Discharge activity. Provision of drip irrigation will be made for green belt
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-05-2017


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS



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

Brief information of the project by SEAC

DECISION OF SEAC


PP requested to delist the proposal.

Hence, SEAC decided to delist the proposal.

Specific Conditions by SEAC:


FINAL RECOMMENDATION

Kindly find SEAC decision above.


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152nd Meeting of State Expert Appraisal Committee (SEAC-1)

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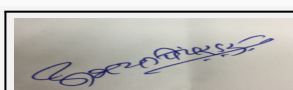
Subject: Environment Clearance for Proposed Manufacturing of Generic Drug and Active Pharmaceutical Ingredients

Is a Violation Case: No

1.Name of Project	M/s. Glenmark Pharmaceuticals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	John Salave
4.Name of Consultant	JV Analytical Services
5.Type of project	NA
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	NA
8.Location of the project	Plot No.A-80
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	John Salave
Room Number:	Plot No.A-80
Floor:	-
Building Name:	Glenmark Pharmaceuticals Ltd
Road/Street Name:	-
Locality:	MIDC kurkumbh
City:	Taluka : Daund, Dist : Pune
11.Area of the project	MIDC kurkumbh
12.IOD/IOA/Concession/Plan Approval Number	MIDC/RO(IT)/KUR/LMS-75/3632
	IOD/IOA/Concession/Plan Approval Number: MIDC/RO(IT)/KUR/LMS-75/3632
	Approved Built-up Area: 4054
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.)	7200 sqm
16.Deductions	-
17.Net Plot area	-
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): -
	b) Non FSI area (sq. m.): -
	c) Total BUA area (sq. m.): 4054
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): -
	Approved Non FSI area (sq. m.): -
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	-
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	-
21.Estimated cost of the project	206000000

22.Number of buildings & its configuration


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



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1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	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))	12 meter		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 meter		
29.Existing structure (s) if any	3694 sqm		
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	Diacerein	2400 Kg/Annum	-	-
2	Sertaconazole Nitrate	600 Kg/Annum	-	-
3	Sitagliptin Phosphate	1200 Kg/Annum	-	-
4	Strontium Ranelate	1200 Kg/Annum	-	-
5	Linezolid	12000 Kg/Annum	-	-
6	Olmesartan Medoxomil	14400 Kg/Annum	-	-
7	Lornoxicam	1200 Kg/Annum	-	-
8	Roflumilast	240 Kg/Annum	-	-
9	Adapalene	0	-	-
10	Adapalene 10% microspehre	0	-	-
11	Apremilast	0	-	-
12	Aprepitant	0	-	-
13	Azelnidipine	0	-	-
14	Bisoprolol Fumarate	0	-	-
15	Butenafine HCl	0	-	-
16	Dabigatran Etexilate Mesylate	0	-	-
17	Linagliptin	0	-	-


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18	Linezolid water base	0	-	-
19	Luliconazole	0	-	-
20	Palonasartan	0	-	-
21	Prasugrel HCL	0	-	-
22	Rosuvastatin Calcium	0	-	-
23	Telmisartan	0	-	-
24	Teneligliptin HBr Hydrate	0	-	-
25	Teneligliptin HCl	0	-	-
26	Teneligliptin Oxalate	0	-	-

32.Total Water Requirement

Dry season:	Source of water	MIDC kurkumbh
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	70
	Fire fighting - Underground water tank(CMD):	40
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	MIDC kurkumbh
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	70
	Fire fighting - Underground water tank(CMD):	40
	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
Industrial Process	16	8	24	3	1	4	13	7	20
Cooling tower & thermopack	27	3	30	-	-	-	0	0	0
Domestic	9	3	12	2	0.3	2.3	7	2.7	9.7
Gardening	0	4	4	0	0	0	0	0	0

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	7 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Recharge pits are not proposed
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	10 KL x 4 tanks

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


Sewage and Waste water	Sewage generation in KLD:	9.7
	STP technology:	Septic tank and soak pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	-
	Budgetary allocation (O & M cost):	-

36. Solid waste Management


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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:	Office Waste -2 Kg/Annum, Packing Waste -2 Kg/Annum
	Wet waste:	Canteen Sludge - 1Kg/Annum and Septic tank sludge 5.0 kg/Annum
	Hazardous waste:	Hazardous waste material, Quantity and disposal is attached
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Septic tank sludge 5.0 kg/Annum
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Sent to authorized recycler
	Wet waste:	used as manure
	Hazardous waste:	CHWTSDF, and Sale to MOEF/MPCB approved recyclers
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	Location(s):	-
	Area for the storage of waste & other material:	4 m X 12 m = 48 m ²
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	-
	O & M cost:	-

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	-	8.5	5.5-9.0
2	TSS	mg/lit	-	88	100
3	TDS	mg/lit	25028	1940	2100
4	COD	mg/lit	148646	244.9	250
5	BOD	mg/lit	55107	94.6	100
6	Chloride	mg/lit	-	474	600
7	Sulphate	mg/lit	-	409	1000

Amount of effluent generation (CMD):	29.78
Capacity of the ETP:	30
Amount of treated effluent recycled :	10
Amount of water send to the CETP:	19.78
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Effluent will be treated in ETP plant consisting primary secondary & tertiary treatment Followed by RO, MEE. & ATFD. Final Treated effluent will be discharged in the Common Effluent Treatment Plant.
Disposal of the ETP sludge	CHWTSDF


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38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residue and waste	28.1	MT/Y	0.15	284.85	285	CHWDSDF
2	Spent catalyst/spent carbon	28.2	MT/Y	0.15	31.85	32	Return to Manufacture for regeneration/ Disposal to CHWTSDF
3	Date expired discarded and off specified drug	28.3	MT/Y	0.15	4.85	5	CHWTSDF
4	Off specification products	28.4	MT/Y	0.8	4.2	5	CHWTSDF
5	Spent mother liquor	28.5	MT/Y	2.5	522.5	525	Sale to MOEF/MPCB approved recyclers
6	Spent organic solvent	28.6	MT/Y	0.55	349.45	350	Sale to MOEF/MPCB approved recyclers
7	Chemical containing residue from decontamination and disposal	33.1	MT/Y	0.20	4.8	5	CHWTSDF
8	Sludge from treatment waste water	34.3	MT/Y	0.2	94.8	95	CHWTSDF
9	Discarded container /barrels/liners	33.3	Numbers	50	750	800	CHWTSDF or sale to authorized recyclers.
10	Sludge from wet scrubbers	36.1	MT/Y	0.1	1.9	2	CHWTSDF
11	E waste	-	-	-	-	As & when Generated	Sale to Authorised Recycler
12	Lead Acid Batteries waste	-	-	-	-	As & when Generated	Return to Supplier /Dealers

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	LDO	1	11	0.3	170
2	Boiler	LDO	2	11	0.3	170
3	DG Set 160 KVA	HSD	3	3.5(Above the roof)	0.2	170
4	DG Set 500 KVA	HSD	4	4.0 (Above thr Roof)	0.2	170


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Light Diesel oil (LDO)	-	-	150 lit/hr
2	High Speed Disel (HSD)	-	-	100 lit/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		By road transportation		


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43.Green Belt Development	Total RG area :	2160 sqm
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	500
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	5 years

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


Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	17	-
2	Ficus religiosa	Pimpal	2	-
3	Ficus benjamina	Ficus	30	-
4	Platyclusus orientalis	Morpankhi	16	-
5	Millettia pinnata	karanj	6	-
6	Magnifera indica	Amba	1	-
7	Syzygium cumini	Jambhul	1	-
8	Arecaceae	Palm	7	-
9	Bauhinia racemosa	Apta	2	-
10	Terminalia catappa	Badam	3	-
11	Ficus microcarpa	Nandruk	2	-
12	Casuarina equisetifolia,	Suru	2	-
13	Bougainvillea glabra	Boganvel	14	-
14	Caesalpinia pulcherrima	Yellow shankasur	4	-
15	Eucalyptus	Nilgiri	4	-
16	Plumeria	Chafa	11	-
17	Cocos nucifera	Naral	4	-
18	Dypsis lutescens	Palm Zund	22	-
19	Tamarindus indica	Chinch	3	-

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 :	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	750 KWH
	During Operation phase (Demand load):	750 KWH
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	DG set 160 KVA and DG set 500 KVA
	Fuel used:	HSD and LDO
	Details of high tension line passing through the plot if any:	No

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
Wastewater Treatment	For Sewage Septic and Soak Pit and for Effluent -ETP plant consisting primary treatment and will be discharged in the Common Effluent Treatment Plant.	Total effluent generated from the project will be 29.78 CMD. This will be treated in ETP plant consisting primary treatment and will be discharged in the Common Effluent Treatment Plant.
Air Pollution Control	Adequate Height of the Stack, Scrubber with alkaline media	Adequate Height of the Stack, Scrubber with alkaline media
Hazardous Waste management	Process Residues & Wastes, off specification products, ETP Sludge Will be disposed to CHWTSDF and Spent mother liquor, Spent organic solvent Sale to MOEF/MPCB approved recyclers	PSpent organic solvent Sale to MOEF/MPCB approved recyclers
Noise	Most of the noise generating equipments will be kept in closed structures. Acoustic systems will be provided to D.G. set. The workers will also be provided with ear muff, ear plug while working at noisy area.	Most of the noise generating equipments will be kept in closed structures. Acoustic systems will be provided to D.G. set. The workers will also be provided with ear muff, ear plug while working at noisy area.

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

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 Environment	Air Pollution Control System	11.0	0.2
2	Water Environment	ETP And Septic tank and soak pit	25.0	1.0
3	Environment Monitoring and Management	Post Project Environmental Monitoring: Ambient Air Quality, Stack Emission, Noise, Effluent Quality, Work Zone Monitoring.	0	2.0
4	Occupational Health	Regular Health Checkup	0	1.0
5	Green Belt	2160 Sqm area is reserved for green belt development.	1.0	0.20


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
Acetonitrile	-	Drum Shed	4000	5000	1000	Apra Enterprises, MASJID BUNDER WEST,MUMBAI	Truck
Cyclohexane	-	Drum Shed	600	1000	500	KETULCHEM PVT LTD BORIVALI -WEST, MUMBAI	Truck
Dimethyl acetamide	-	Drum Shed	5000	5000	5000	Sparchem, BANDRA (EAST),MUMBAI	Truck
Dimethyl Formamide	-	Drum Shed	3000	5000	3000	Chemtrade oversess Pvt Ltd, GHATKOPAR EAST,MUMABI	Truck
Dimethyl Sulfoxide	-	Drum Shed	2000	3000	2180	K. Uttamlal & co., P. O. Box No.5174, Mumbai	Truck
Hexane	-	Drum Shed	2000	3000	600	JPB Chemicals Industries Pvt Ltd, R. No.2, D.J. Road, Vile Parle (W), Mumbai	Truck
Industrial Solvent	-	Drum Shed	10000	10000	10000	Shri Venkatesh Organics , Newasa road Shrirampur ,Dist : Ahmednagar,	Truck
Methyl Ethyl Ketone	-	Drum Shed	660	825	400	JPB Chemicals Industries Pvt Ltd, R. No.2, D.J. Road, Vile Parle (W), Mumbai	Truck
Methyl Tert Butyl Ether	-	Drum Shed	1000	2000	1500	Vinati Organics Ltd BKC, Bandra (E),Mumbai	Truck


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Mixed Xylene	-	Drum Shed	1000	2000	1000	Pioneer Chemical Industries , Vile Parle-(East), Mumbai	Truck
N-Heptene	-	Drum Shed	2000	2000	1000	Vipul Life sciences Ltd , 121/127, KAZI SAYED STREET ,MUMBAI	Truck
Ortho Xylene	-	Drum Shed	5000	5000	5000	Saraswati Chemical Corp. B/1102, NAHUR VILLAGE, MULUND(W), MUMBAI	Truck
Tetra Hydro Furan	-	Drum Shed	5000	5000	3000	Ascus International(S) Pte Ltd PENINSULAR PLAZA, SINGAPORE	Truck
Triethyl Amine	-	Drum Shed	1500	1500	1500	Alkyl Amines Chemicals Ltd Kurkumbh, Taluka Daund,Plot No. D-6/1,Pune	Truck
N-Butanol	-	Drum Shed	825	1155	1000	SWATI INDUSTRIES, G-39/19 MIDC WALUJ, AURANGABAD	Truck
Toluene	-	UG Tank	10 KL	15 KL	10 KL	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker
Ethyl Acetate	-	UG Tank	10 KL	15 KL	10 KL	GODAVARI BIOREFINERIES LTD, 45/47, M. G. ROAD,FORT MUMBAI	Tanker
Acetone	-	UG Tank	10 KL	15 KL	12 KL	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker
Methanol	-	UG Tank	10 KL	15 KL	28 KL	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker
Methylene Chloride	-	Vertical Tank	15 KL	18 KL	24 KL	GUJARAT FLUOROCEMICALS LTD., PLOT:12/A, GIDC, DAHEJ, BHARUCH	Tanker
Isopropyl Alcohol	-	Vertical Tank	15 KL	18 KL	12 KL	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker

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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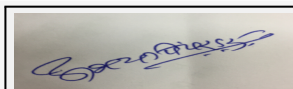
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	-
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	9 meter
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	At a distance of 5.4 Km Reserve forest Exist
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

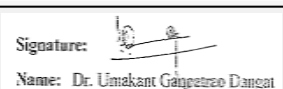
Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable



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

Brief information of the project by SEAC

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

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

DECISION OF SEAC

During deliberations it was observed that PP has not filled correct data in the consolidated statement as well as the layout plan was not adequate.

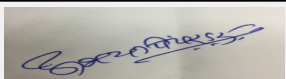
PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc. to decide on the ToR.

Hence, Deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

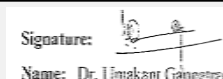
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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