

Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)


SEAC Meeting number: 189th -Day-1 Meeting Date August 6, 2020

Following members of SEAC-1 were present for videoconference.

- | | |
|------------------------------|-----------------|
| 1. Shri. Umakant Dangat | - Chairman |
| 2. Shri. Arvind Dhole | - Expert Member |
| 3. Shri. K.M.Shah | - Expert Member |
| 4. Shri. P.P.Nandusekar | - Expert Member |
| 5. Shri. S.N.Patil | - Expert Member |
| 6. Shri. Abhay Thakur | - Expert Member |
| 7. Shri. Hemant Sahasrabudhe | - Expert Member |
| 8. Shri. Abhay Pimparkar | - Secretary |

The minutes of the meeting are finalised during videoconference. Due to present pandemic situation minutes could not be physically signed.

SEAC-AGENDA-0000000445


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

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

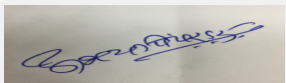
Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)

SEAC Meeting number: 189th -Day-1 Meeting Date August 6, 2020

Subject: Environment Clearance for Expansion of Sugar from 2500 TCD to 8000 TCD and Proposed 35 MW Cogeneration Plant at Village- Sonawade - Bambawade, Tehsil- Shahuwadi, District Kolhapur, Maharashtra by Athani Sugars Limited


Is a Violation Case: No

1.Name of Project	Expansion of Sugar from 2500 TCD to 8000 TCD and Proposed 35 MW Cogeneration Plant at Village- Sonawade - Bambawade, Tehsil- Shahuwadi, District Kolhapur, Maharashtra by Athani Sugars Limited
2.Type of institution	Private
3.Name of Project Proponent	Athani Sugars Limited
4.Name of Consultant	ULTRATECH
5.Type of project	Indutsrial
6.New project/expansion in existing project/modernization/diversification in existing project	Addition in Sugar Factory 8000TCD (by 5500 TCD) And New Cogeneration Plant (35 MW)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At Village-Sonawade-Bambawade Tehsil- Shahuwadi, Dist- Kolhapur, State - Maharashtra
9.Taluka	Shahuwadi
10.Village	Sonawade-Bambawade
Correspondence Name:	Mr Yogesh Patil
Room Number:	at Vishnuannanagar, Tehsil Athani,
Floor:	Post Navalihal-591 234,
Building Name:	Not applicable
Road/Street Name:	Not applicable
Locality:	Karnataka
City:	Dist. Belgaum,
11.Whether in Corporation / Municipal / other area	Grampanchayat Sonwade-Bamwade
12.IOD/IOA/Concession/Plan Approval Number	District collector Kolhapur IOD/IOA/Concession/Plan Approval Number: Department of Industrial Policy and Promotion, Ministry of Commerce and Industries, Govt. of India Approved Built-up Area: 35000
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.)	289570
16.Deductions	0
17.Net Plot area	289570
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.): 35000
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	2630000000


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(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	520 Staff (Including skilled, semi-skilled and unskilled workers)		
24. Number of expected residents / users	Not applicable		
25. Tenant density per hectare	Not applicable		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not Applicable		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not Applicable		
29. Existing structure (s) if any	Existing sugar factory, 2 Molasses tanks, Godowns, ETP and allied units		
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	Sugarcane crushing	2,500 TCD	5500 TCD	8000 TCD
2	Co-gen Power	0 MW	35 MW	35 MW

32. Total Water Requirement



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Dr. Umakant Dangat (Chairman SEAC-I)

Dry season:	Source of water	Kadvi - Warna River
	Fresh water (CMD):	400
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	1200
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	2020
	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	100	0	100	10	0	0	90	0	90
Industrial Process	250	550	800	40	120	160	0	640	640
Cooling tower & thermopack	300	1620	1920	100	1388	1488	200	232	432
Gardening	310	0	310	0	0	0	0	0	0

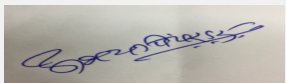

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	10 to 15mt
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	Natural water drainage pattern:	Not Applicable
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	Sewage generation in KLD:	90
	STP technology:	Modular STP
	Capacity of STP (CMD):	1 Modular STP of 100 KLD
	Location & area of the STP:	Near Admin office
	Budgetary allocation (Capital cost):	10lacs
	Budgetary allocation (O & M cost):	1 lac
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Waste generation is very less as mostly fabrication work
	Disposal of the construction waste debris:	Waste generated during construction shall be re-used or sent to authorized recycler
Waste generation in the operation Phase:	Dry waste:	Office and Colony waste 73 Kg /day, Ash 36 TPD
	Wet waste:	130 Kg/day
	Hazardous waste:	Lube oil 15 Kg/day
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	ETP Sludge 88 Kg/day, STP Sludge approx 12 Kg/day
	Others if any:	Not Applicable


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Mode of Disposal of waste:	Dry waste:	Office waste, empty drums/ bags etc. to authorized recycler, Ash for compost or to brick manufacturers
	Wet waste:	pit composting (existing)
	Hazardous waste:	Lube Oil sent to authorized recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Composting
	Others if any:	Not applicable
Area requirement:	Location(s):	Compost pit Near Canteen (existing)
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	4.5 - 6	6.5 - 8.5	5.5 - 9.0
2	SS	mg/L	500 - 1500	100	100
3	BOD	mg/L	1000 - 2500	100	100
4	COD	mg/L	2000 - 4000	250	250
5	TDS	mg/L	5000 - 12000	2100	2100
Amount of effluent generation (CMD):		872			
Capacity of the ETP:		900			
Amount of treated effluent recycled :		872			
Amount of water send to the CETP:		0			
Membership of CETP (if require):		Not required			
Note on ETP technology to be used		Tertiary treatment			
Disposal of the ETP sludge		Composting			

38. Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Lube oil	5.1	Kg/day	5	10	15	Send to authorized recycler

39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	Bagasse, 2394 TPD	1	80	3	190

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total



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1	Bagasse	0	2400	2400 PD
41.Source of Fuel		in-house, bagasse is obtained from the cane crushed for sugar preparation		
42.Mode of Transportation of fuel to site		Not applicable		
43.Green Belt Development	Total RG area :	97000		
	No of trees to be cut :	Not applicable		
	Number of trees to be planted :	1200		
	List of proposed native trees :	1200		
	Timeline for completion of plantation :	upcoming five 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	200	medicinal tree
2	Delonix regia	Gulmohor	75	Flower bearing deciduous tree
3	Manilkara zapota	Chikko	75	fruit bearing evergreen tree
4	Pongamia pinnata	Karanj	200	evergreen tree
5	Magnifera indica	Mango	200	fruit bearing evergreen tree
6	Ficus benghalensis	Banyan	50	fruit bearing evergreen tree
7	Tamarindus indica.	Chinch	100	fruit bearing evergreen tree
8	Cocos nucifera	Coconut tree	300	fruit bearing evergreen tree
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	Not applicable	Not applicable	Not applicable	
47.Energy				


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Power requirement:	Source of power supply :	MSEDCL and own
	During Construction Phase: (Demand Load)	as per requirement
	DG set as Power back-up during construction phase	as per requirement
	During Operation phase (Connected load):	12,200KW
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	2 nos 1250 KVA
	Fuel used:	hsd
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

Not applicable

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

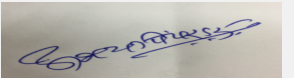
Source	Existing pollution control system	Proposed to be installed
Boiler Stack	Boiler Stack	ESP

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

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	0.6
2	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.50


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3	Water Environment	Tanker water for construction Water monitoring	2.5
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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	Emission control Engineering	ESP & Stack	250	15
2	Water & Wastewater management	STP and ETP	100	25
3	Solid Waste	composting	25	5.0
4	Greening Belt	landscaping	50	10
5	Monitoring	Environment monitoring	0	5.0
6	Other aspects like Rain Water Harvesting, Safety, Security etc.	NA	26	12.0

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


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

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	SH 166
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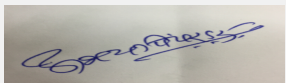
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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	1000 Sqm
	Area per car:	1000 Sqm
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Via bus
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(j) and 1 (d)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900


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 at 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	The total effluent generation will be 1162 KLD which will be treated in the Effluent Treatment Plant and treated effluent will be used for development of green belt within the premises after achieving standards prescribed by MPCB.
Drainage pattern of the project	PP considered the contour levels on the site in the design of storm water drains. PP not to disturb any natural water stream/drain exists on site.



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Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits. PP not to extract any ground water.
Solid Waste Management	Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for project is 12.20 MW which will be met from in house co-gen plant of capacity 35 MW. PP proposes one DG set of capacity 320 KVA as a stand by arrangement.
Traffic circulation system and risk assessment	PP proposes internal roads with minimum six meter width and nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP proposes to provide 33% green belt within the premises.
Disaster management system and risk assessment	PP carried out Risk Assessment and prepared emergency plan.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposes Rs 431.00 Lakhs as capital cost and Rs. 77.00 Lakhs as recurring EMP cost for the maintenance of environmental parameters during operation phase.
Any other issues related to environmental sustainability	PP to utilize their CER funds of Rs. 2,63 Cr. for the development of social and environmental infrastructure like sanitation facility, safe drinking water facility, solar panels in the Z.P. Schools and Primary Health Centers in the study area of the proposed project in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
Brief information of the project by SEAC	



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Dr. Umakant Dangat (Chairman SEAC-I)

PP informed that they have obtained ToR vide letter No. F.No J-11011/373/2016-IA-II(I) dated 22.06.2017 from EAC, MoEF&CC stipulating specific ToR points for total sugar cane crushing of 8000 TCD and Co-generation of 35MW power.

The proposal was earlier considered in the 154th meeting of SEAC-1 held on 29.08.2018 wherein the proposal was because EIA/EMP report was not received by the expert members of the SEAC-1.

The proposal was again considered in the 168th meeting of SEAC-1 held on 27.08.2019 after submission of EIA/EMP report wherein the proposal was deferred till submission of compliance of following points,

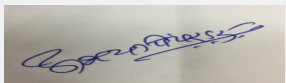

1. PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
2. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
3. PP to submit cane development plan to be prepared in consultation with Agriculture University/Sugar Cane Research Center for enhancement of productivity. PP to ensure their crushing requirements to be met by increasing the per Hectare productivity without bringing additional area under sugar cane cultivation. PP also to submit phase wise plan for bringing sugar cane cultivation under drip irrigation.
4. PP to submit baggase balance calculations. PP to submit copies of MOU with the brick manufacturers for disposal of ash.
5. PP to submit copy of agreement with Irrigation Department for lifting of water from Kadvi-Warna River.
6. PP to submit socio economic impact assessment report and include the same in EIA report.
7. PP to include rain water harvesting calculations in the EIA report
8. PP to submit detailed analysis report of sludge generated from ETP proposed to be used as soil conditioner. PP to obtain necessary certification from the competent Authority for its suitability to be used as soil conditioner.
9. PP to include interpretation of baseline data in the EIA report.
10. PP to include revised EMP in the EIA report with item wise bifurcation of EMP cost.
11. PP to submit CER plan prepared in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
12. PP to submit revised EIA/EMP report.
13. PP to ensure that, the uniform information is given in the Form-I/II, EIA/EMP report, presentation and consolidated statement.

PP submitted compliance of above points and the proposal was again considered in the 176th meeting of SEAC-1 held on 28.01.2020 wherein the proposal was deferred till submission of compliance of following points.

1. PP to submit revised compliance of ToR point No. 1,2,3,8 .
2. PP to submit information about productivity (per hector yield) of sugarcane in the jurisdiction of the sugar factory. PP to submit their plan for productivity & quality enhancement of sugar cane through extension of modern technologies and good agriculture practices including drip irrigation. PP to ensure their crushing requirement through increase in productivity instead of bringing additional area under sugar cane cultivation.

Now PP submitted compliance of above points

DECISION OF SEAC

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 189th -Day-1 Meeting Date: August 6, 2020	Page 12 of 41	 Name: Dr. Umakant Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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After detailed deliberations with the PP and their accredited consultant, SEAC- 1 decided to recommend the proposal to SEIAA for prior Environmental Clearance subject to following conditions.

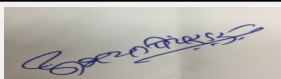
Specific Conditions by SEAC:

- 1) PP to implement the Guidelines for restoration of manufacturing industries after lockdown period issued by Ministry of Home Affairs, National Disaster Management Authority on 09.05.2020.
- 2) PP to prepare and implement construction management plan. PP to provide shelter, food, drinking water, sanitation facilities to the construction workers as per guidelines issued by the Competent Authority.
- 3) PP to ensure to protect the natural water streams existing on site. PP to provide adequate size storm water drain as per contours on the site to avoid any unforeseen flooding emergency.
- 4) PP to obtain approval from the Agriculture Department to use ETP sludge as manure.
- 5) PP to provide Continuous Emission Monitoring System (CEMS) for monitoring of air emissions and connect the same to the MPCB and CPCB servers.
- 6) PP to provide sewage treatment plant for the treatment of domestic waste water.
- 7) PP to implement cane development plan for enhancement of per hectare yield of sugar cane. PP to promote drip irrigation for sugar cane cultivation in their jurisdiction.
- 8) PP to prepare and implement CER plan in consultation with the District Authority for development of social and environmental infrastructure in the Z.P Schools and Primary Health Centre in the study area of the proposed project as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION


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

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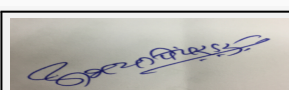
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Subject: Environment Clearance for Environmental Clearance (EC) for proposed Food Colours, Lake Colours and Sulphanilic Acid Manufacturing unit - Application for Grant of EC

Is a Violation Case: No

1.Name of Project	M/s. Arjun Food Colorants Manufacturing Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bipin M. Manek (Chairman & Managing Director)
4.Name of Consultant	Equinox Environments (India) Private Limited
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Food Colours, Lake Colours and Sulphanilic Acid Manufacturing unit by M/s. Arjun Food Colorants Manufacturing Private Limited (New Project)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. 22/1-B, MIDC Industrial Area, P.O. Dhatav, Taluka: Roha, District: Raigad, State: Maharashtra
9.Taluka	Roha
10.Village	Dhatav
Correspondence Name:	M/s. Arjun Food Colorants Manufacturing Private Limited
Room Number:	Plot No. 22/1-B
Floor:	NA
Building Name:	NA
Road/Street Name:	MIDC Dhatav
Locality:	Dhatav, Roha
City:	Roha
11.Whether in Corporation / Municipal / other area	NA
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 9142
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.)	17990 m ²
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 9142
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 01-02-2018
19.Total ground coverage (m ²)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	85000000

22.Number of buildings & its configuration



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

31.Production Details

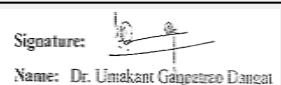
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A. Food Colours - 1. Ponceau 4R, 2. Sunset Yellow FCF 3. Tartrazine 4. Chocolate Brown HT 5. Quinoline Yellow WS 6. Allura Red, 7. Solvent Green 7 (Green 8), 8. Pigment Red 57 (Red 6), 9. Red 7, 10. Solvent Red 43 (Red 21), 11. Acid Phloxine B (Red 27), 12. Acid Red 92 (Red 28), 13. Acid Red 33 (Red 33), 14. Acid Violet 49 (Violet 2), 15. C.I.Solvent Yellow 172 (Yellow 172)	0.0	250	250



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2	B. Lake Colours - 1. Ponceau 4R Aluminium, 2. Sunset Yellow Aluminium , 3. Tartrazine Aluminium, 4. Pigment Red 57 (Red 6 Barium Lake), 5. Red 7 calcium Lake, 6. Acid Phloxine B (Red 27 Aluminium) , 7. Acid Red 92 (Red 28 Aluminium), 8. Acid Red 33 (Red 33 Aluminium) , 9. Yellow 6 Aluminium	0.0	65	65
3	C. Sulphanilic Acid	0.0	180	180


32.Total Water Requirement

Dry season:	Source of water	MIDC Water Supply Scheme
	Fresh water (CMD):	229
	Recycled water - Flushing (CMD):	150 - In Process (Not For Flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	379
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	Source of water	MIDC Water Supply Scheme
	Fresh water (CMD):	229
	Recycled water - Flushing (CMD):	150 - In Process (Not For Flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	379
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA



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Details of Swimming pool (If any)		NA							
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0.0	10	10	0.0	2	2	0.0	8	8
Industrial Process	0.0	229	229	0.0	15	15	0.0	174	174
Cooling tower & thermopack	0.0	125	125	0.0	120	120	0.0	5	5
Gardening	0.0	15	15	0.0	0.0	0.0	0.0	15	15
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA							
	Size and no of RWH tank(s) and Quantity:	Total Rain Water Harvesting Quantity (Roof Top Area) - 8467.20 m3							
	Location of the RWH tank(s):	Refer Plot Layout Plan for Location of the RWH Tank (Appendix - A in EIA Report)							
	Quantity of recharge pits:	NA							
	Size of recharge pits :	NA							
	Budgetary allocation (Capital cost) :	NA							
	Budgetary allocation (O & M cost) :	NA							
	Details of UGT tanks if any :	NA							
35.Storm water drainage	Natural water drainage pattern:	NA							
	Quantity of storm water:	NA							
	Size of SWD:	NA							


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Sewage and Waste water	Sewage generation in KLD:	8
	STP technology:	Domestic Effluent would be treated in proposed Sewage Treatment Plant (STP)
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	Solid Waste generated in the Pre Construction & Construction phase would be disposed time to time to authorized Party wherever Applicable
Waste generation in the operation Phase:	Dry waste:	Boiler Ash
	Wet waste:	NA
	Hazardous waste:	Process Residues and wastes, Chemical sludge from waste water treatment, Discarded Drums/Containers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Under proposed unit boiler ash to the tune of 2.6 MT/Day would be generated. The ash would be forwarded to brick manufacturers for secondary use. An agreement will be executed with brick manufactures for utilization of the ash.
	Wet waste:	NA
	Hazardous waste:	Hazardous Waste Would be forwarded to CHWTSDF / sale to Authorized Reprocessor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Plot No. 22/1-B, MIDC Industrial Area, P.O. Dhatav, Taluka: Roha, District: Raigad, State: Maharashtra
	Area for the storage of waste & other material:	Refer Plot Layout Plan (Appendix - A in EIA Report)
	Area for machinery:	Refer Plot Layout Plan (Appendix - A in EIA Report)
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA


37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-7	7-8	5.5-9.0


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2	COD	mg/lit	9200	< 150	250
3	BOD	mg/lit	1850	< 80	30
4	TDS	mg/lit	125000	< 2100	2100
5	SS	mg/lit	760	< 100	--
Amount of effluent generation (CMD):		187			
Capacity of the ETP:		300			
Amount of treated effluent recycled :		150			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Industrial effluents generated from proposed activities would be segregated in two different streams; viz. Stream - I (High COD, High TDS) and Stream - II (Low COD, Low TDS). The Stream-I effluent would be treated in proposed ETP comprising of - Equalization Tank, Feed Tank, Neutralization Tank, Primary Settling Tank, Holding Tank, Multiple Effect Evaporator, Condensate Polishing Unit (CPU). The condensate from MEE shall be treated in CPU. The condensate from the CPU would be recycled thereby a			
Disposal of the ETP sludge		ETP sludge from would be forwarded to Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF)			

38.Hazardous Waste Details

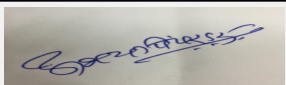
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Process Residues and wastes	26.1	MT/M	0.0	2	2	Forwarded to CHWTSDF
2	Chemical sludge from waste water treatment	35.3	MT/M	0.0	150	150	Forwarded to CHWTSDF
3	Discarded Drums/Containers	33.1	No./M	0.0	2200	2200	Sale to Authorized Reprocessor

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 (4 TPH)	Imported Coal (15 MT/Day)	1	30	0.4	--
2	Thermic Fluid Heater (10 lakh Kcal/hr)	Imported Coal (6 MT/Day)	1	30	0.35	--
3	Thermic Fluid Heater (4 lakh Kcal/hr)	Imported Coal (2.5 MT/Day)	1	30	0.25	--
4	DG Set (500 KVA)	HSD (100 lit/Hr)	1	5 (ARL)	--	--


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41.Source of Fuel		From local Vendors		
42.Mode of Transportation of fuel to site		Through Trucks by road		


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43.Green Belt Development	Total RG area :	2919.84 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	500
	List of proposed native trees :	No fruit bearing trees to be planted in the green belt or horticulture undertaken to avoid possible harmful chemical contamination and bioaccumulation. Indigenous evergreen, semi evergreen tree species with broad leaves are to be selected for environmental pollution control purpose and not for beautification purpose. Monoculture to be avoided by planting suitable mixed tree species in the green belt.
	Timeline for completion of plantation :	3 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	No fruit bearing trees to be planted in the green belt or horticulture undertaken to avoid possible harmful chemical contamination and bioaccumulation. Indigenous evergreen, semi evergreen tree species with broad leaves are to be selected for environmental pollution control purpose and not for beautification purpose. Monoculture to be avoided by planting suitable mixed tree species in the green belt.	No fruit bearing trees to be planted in the green belt or horticulture undertaken to avoid possible harmful chemical contamination and bioaccumulation. Indigenous evergreen, semi evergreen tree species with broad leaves are to be selected for environmental pollution control purpose and not for beautification purpose. Monoculture to be avoided by planting suitable mixed tree species in the green belt.	500	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 (MSEB)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1 MW
	During Operation phase (Demand load):	1 MW
	Transformer:	NA
	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:	NA

48. Energy saving by non-conventional method:

NA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

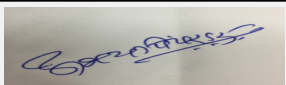

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution Control	NA	APC Equipment in the form of Pulse Jet type Bag Filter, Stacks, Scrubber
Water Pollution Control	NA	ETP comprising of MEE, CPU, STP & allied Infrastructure
Noise Pollution Control	NA	Noise level Management
Environmental Management Plan and Monitoring	NA	Environmental Management Plan and Monitoring
Green Belt Development	NA	Green Belt Development

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 Pollution Control	APC Equipment in the form of Pulse Jet type Bag Filter, Stacks, Scrubber	50	10
2	Water Pollution Control	ETP comprising of MEE, CPU, STP & allied Infrastructure	150	25
3	Noise Pollution Control	Noise level Management	2	0.75
4	Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring	20	10
5	Green Belt Development	Green Belt Development	5	2
6	CSR Activities for next Five years	CSR Activities for next Five years	42	--

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
Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	NA
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category "B" of item 5(f) of the schedule to the EIA Notofication, 2006
	Court cases pending if any	NA
	Other Relevant Informations	As per the provisions of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006, amended on 25.06.2014; the project comes under Category "B" of item 5(f) of the schedule to the EIA Notification, 2006 and is appraised by SEAC / SEIAA at the State level. The project site of AFCMPL (Latitude - 18025'36.09"N & Longitude - 73009'04.12"E) is located at a distance of 0.8 km from the proposed ESA village Dhatav (Latitude -18025'2.61"N & Longitude - 73009'40.00"E). Accordingly, in light of applicability of General Conditions, since village Dhatav wherein the Dhatav MIDC is set up have appeared in the list of ESA village of Western Ghats (Ecological Sensitive Area village) Draft Notification dated 10.03.2014, 04.09.2015 and 27.02.2017; the category of the project changed from 'Category - B' to 'Category - A'. Hence, the project was appraised at central level by Expert Appraisal Committee (EAC) and ToRs have been granted. The EIA report has been prepared by incorporating required information with regards to the project as mentioned in the Terms of Reference (ToRs) issued by MoEFCC vide letter F.No. J-11011/216/2017-IA II (I) dated 1st February 2018 to AFCMPL in the 32nd Expert Appraisal Committee (EAC) meeting held on 21st December 2017. But, in light of Office Memorandum issued by MoEFCC, New Delhi vide letter No. F.No.IA-J-11011/579/2017-IA-II (I) dated 04.02.2019, the project is now appraised at SEAC / SEIAA as Category B project.


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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-03-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

The Environment Department, Govt. of Maharashtra has received clarification from MoEF&CC vide letter dated 04.02.2019 which reads as below,

"Dhatav village has been identified as a part of eco-sensitive area as per the Ministry's draft Notification S.O. No. 2435 dated 04.09.2015. However, since the notification is still in the draft stage, proposals pertaining to Dhatav were not accepted in the Ministry and were advised to be taken up by the concerned SEAC/SEIAA. Now it has been informed that, the concerned Authorities in the State of Maharashtra are also not accepting the proposals on the grounds that there are no clear directions from the Ministry on the subject.

In view of above, it is clarified that, such proposals be considered for environmental clearance as per the provisions of the EIA Notification, 2006, which clearly provides for applicability of General Conditions in respect of eco-sensitive areas notified under sub-section (2) of Section 3 of the Environment (Protection) Act, 1986."



SEIAA also accorded approval vide file No SEAC-2019/CR-12/SEAC-1 to consider the proposal from Dhatav area under category B as clarified by the MoEF&CC vide above communication.

In view of above, SEAC-1 decided to consider the proposals from Dhatav area for prior Environmental Clearance.

The proposal was earlier considered in the 165th meeting of SEAC-1 held on 06.05.2019 wherein PP remained absent. The proposal was again considered in the 168th B meeting held on 18.09.2019 wherein the proposal was deferred due to inconsistent information presented by the PP.

Now PP submitted revised information.

DECISION OF SEAC

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 189th -Day-1 Meeting Date: August 6, 2020	Page 25 of 41	Signature:  Name: Dr. Umakant Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

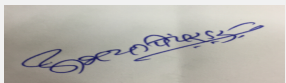
As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006

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

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


Specific Conditions by SEAC:

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles/association.
- 2) PP to submit to the scale lay out plan showing internal roads with minimum six meter width and nine meter turning radius, entry/exit gates provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt on periphery of the plot with their dimensions. PP to ensure authentication of the layout with signature of PP, Consultant and Architect
- 3) PP to submit contour plan showing contour levels, storm water drains, invert levels, internal roads and rain water harvesting facilities. PP to submit storm water drain calculations and rain water harvesting calculation on the plan. PP also to mark the location of connection of storm water drain to the common MIDC drain along with its cross section and invert level. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
- 4) PP to submit chronological details about the ownership and activities carried out on the site along with copies of Consent to Operate with respect to the proposed project site.
- 5) PP to carry out tree survey of the trees existing on the site and ensure their conservation or transplantation within the premises.
- 6) PP to carry out life cycle analysis of all proposed products to be manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc. and proposed mitigation measures to reduce the identified potentials.
- 7) PP to include technical report on space adequacy with respect to the proposed expansion. PP also to include details of proposed buildings to be constructed on site in the EIA report along with floor wise plan, cross sections and floor wise equipment layout etc.
- 8) PP to include construction management plan/ demolition plan (if any) in the EIA report.
- 9) PP to include detailed product wise material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 10) PP to use briquettes or gas as a fuel to the utility instead of coal to reduce air pollution
- 11) PP to include ash management plan including generation from the boiler along with MoU made with the brick manufactures and its transport up to the destination to ensure scientific disposal of ash.
- 12) PP to submit structural stability certificate of existing buildings mentioning there in year of construction and its stability and safety to accommodate proposed expansion activities.
- 13) PP to include detailed water balance calculations along with design details of effluent treatment plant and copy of CETP permission mentioning quantity of treated effluent permitted to discharge in the CETP in case no such permission is obtained, PP to submit design details of ZLD Effluent Treatment Plant in the EIA report.
- 14) PP to carry out scrubber adequacy study and include in the EIA report.
- 15) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
- 16) PP to carry out HAZOP ,QRA and fire load calculations and submit Disaster Management Plan.
- 17) PP to include details of generation and disposal of hazardous waste including by products as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.
- 18) PP to include water and carbon foot print monitoring in the EMP.
- 19) PP to submit hazardous chemical handling protocol
- 20) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor.
- 21) PP to submit CER plan for the development of social and environmental infrastructure in the Z.P.Schools / Primary Health Centres in the study area of the proposed project in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
- 22) PP to ensure that, the uniform information is submitted in the Consolidated Statement. Form-I/II, EIA/EMP report and Presentation at the time of appraisal.


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

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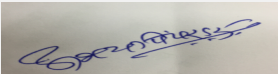
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**Dr. Umakant Dangat
(Chairman SEAC-I)**

FINAL RECOMMENDATION

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


SEAC-AGENDA-00000000445



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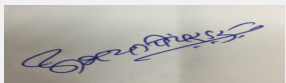
Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)

SEAC Meeting number: 189th -Day-1 Meeting Date August 6, 2020

Subject: Environment Clearance for Environment Clearance for Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. G-2, Lote Parshuram MIDC, Taluka Khed, Dist. Ratnagiri by Spak Surfactants Private limited.


Is a Violation Case: No

1.Name of Project	Environment Clearance for Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. G-2, Lote Parshuram MIDC, Taluka Khed, Dist. Ratnagiri by Spak Surfactants Private limited.
2.Type of institution	Private
3.Name of Project Proponent	Spak Surfactants Private Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial project- 2
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes EC obtained for existing project. (EC Obtained from Environment Department, Govt of Maharashtra vide letter No. SEAC-2011/CR-857/TC-2 dated 1st April 2015)
8.Location of the project	Plot No. G-2, Lote Parshuram MIDC
9.Taluka	Khed
10.Village	Dhamandevi
Correspondence Name:	Mr Ameya Joglekar
Room Number:	A-2/3, Suman Nagar
Floor:	--
Building Name:	--
Road/Street Name:	Sion Trombay Road
Locality:	Suman Nagar, Chembur
City:	Mumbai 400 071
11.Whether in Corporation / Municipal / other area	19,999 sq. m
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval IOD/IOA/Concession/Plan Approval Number: DB/LOTE/G-2/C04818 Dated 1/7/2016) BCC-B01585 Dated 21/3/2017. Approved Built-up Area: 5356.215
13.Note on the initiated work (If applicable)	No construction work pertain to proposed project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	19,999 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.): 8232.52
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 23-03-2017
19.Total ground coverage (m2)	4851.75 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	250000000


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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 as proposed project is an industrial activity.		
24. Number of expected residents / users	Not applicable		
25. Tenant density per hectare	Not applicable		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Min. 6 m		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 m		
29. Existing structure (s) if any	Existing operating unit		
30. Details of the demolition with disposal (If applicable)	No, Not applicable		

31. Production Details

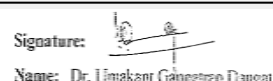
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Esters	12000 TPA (combined capacity)	--	12000 TPA (combined capacity)
2	Sulphosuccinate surfactant and formulations	12000 TPA (combined capacity)	--	12000 TPA (combined capacity)
3	Coco amino Propyl Betaine	12000 TPA (combined capacity)	--	12000 TPA (combined capacity)
4	Formulations of esters and surfactants	12000 TPA (combined capacity)	--	12000 TPA (combined capacity)
5	Coco amido Propyl Betaine	0	6000 TPA	6000 TPA (combined capacity)
6	Sorbitan Esters (Sorbitan Mono Oleate / Sorbitan Tri Oleate /Sorbitan Mono Laurate/ Sorbitan Mono Palmitate /Sorbitan Mono Stearate/Sorbitan Tri Stearate)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)



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7	Glycerol Esters (Glycerol Mono Stearate / Glycerol Mono Oleate /Glycerol Tri Oleate)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
8	Polyol Esters (TMP Tri Oleate / Pentaerythritol Tetra Oleate / NPG Dioleate)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
9	Glycol Esters (Ethylene Glycol Mono stearate / Ethylene Glycol Di stearate / Propylene Glycol Di Oleate)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
10	Ethyl Hexyl (Octyl) Esters (2-Ethyl Hexyl Oleate / 2-Ethyl Hexyl Palmitate / 2-Ethyl Hexyl Stearate /2-Ethyl Hexyl Cocoate/Laurate /Di Octyl Maleate)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
11	Food Emulsifier Esters (Polyglycerol Polyrecinoleate / Polyglycerol Esters / Esters of Distilled Mono glyceride / Sodium/Calcium stearyl lactylate)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
12	Phosphate Esters	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
13	Fatty Amides (COCO Monoethanol amide / COCO diethanol amide / COCO Amono dimethyl propyl amide)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
14	Esterquats (DiHydrogenated Palmoylethyl Hydroxyethylmonium Methosulfate)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
15	Sulphosuccinate surfactant (Sodium Di Octyl Sulphosuccinate / Sodium Di Amyl Sulphosuccinate) and its formulations (100 % basis)	0	12000 TPA (Single or group of products within 12000 TPA)	12000 TPA (Single or group of products within 12000 TPA)
16	Total products	12000 TPA	18000 TPA	30000 TPA

32.Total Water Requirement



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Dry season:	Source of water	MIDC
	Fresh water (CMD):	260 CMD
	Recycled water - Flushing (CMD):	25 CMD (cooling make up)
	Recycled water - Gardening (CMD):	27 CMD
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	312 CMD
	Fire fighting - Underground water tank(CMD):	50 Cubic Meter tank capacity is provided.
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	MIDC
	Fresh water (CMD):	260 CMD
	Recycled water - Flushing (CMD):	25 CMD (cooling makes up)
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	285 CMD
	Fire fighting - Underground water tank(CMD):	50 Cubic Meter tank capacity is provided.
	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	8	8	16	2	2	4	6	6	12
Cooling tower & thermopack	92	82	174	90	80	170	2	2	4
Industrial Process	30	65	95	12	47	59	18	18	36
Gardening	16	11	27	16	11	27	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5 - 20 m
	Size and no of RWH tank(s) and Quantity:	No proposal
	Location of the RWH tank(s):	Within site
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	--
	Budgetary allocation (O & M cost) :	--
	Details of UGT tanks if any :	50 cum
35.Storm water drainage	Natural water drainage pattern:	West to East towards MIDC common drain. Storm water nalla (127 meter long X 0.6 M Dia
	Quantity of storm water:	Will be detailed in EIA
	Size of SWD:	600 mm pipe
Sewage and Waste water	Sewage generation in KLD:	12 CMD
	STP technology:	Sewage will be treated in independent STP
	Capacity of STP (CMD):	12 CMD
	Location & area of the STP:	Within site
	Budgetary allocation (Capital cost):	Rs. 20 Lacs
	Budgetary allocation (O & M cost):	Rs. 5 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of construction debris will be generated during project.
	Disposal of the construction waste debris:	Construction waste will be disposed of as per Construction and Demolition Waste Rules, 2016.
Waste generation in the operation Phase:	Dry waste:	Total After expansion - Plastic bags - 800 Nos/day, HDPE Drums - 100 Nos/day, Fly Ash - 24 TPD, Burnt Sugar - 1.2 TPD.
	Wet waste:	Nil
	Hazardous waste:	Used/Spent Oil, Chemical sludge from waste water treatment, Filters and filter material which have organic liquids
	Biomedical waste (If applicable):	No, Not applicable
	STP Sludge (Dry sludge):	Will be send to CHWTSDF
	Others if any:	E-waste & Used Lead acid batteries will be send to authorized reprocessor
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Mode of Disposal of waste:	Dry waste:	Non-Hazardous waste will be sold to authorized recyclers.
	Wet waste:	Nil
	Hazardous waste:	Hazardous waste will be disposed of to CHWTSDF/ Sale to authorized Recyclers/Re- processors as per H & O Waste (M & TM) Rules, 2016
	Biomedical waste (If applicable):	No, Not applicable
	STP Sludge (Dry sludge):	Will be used as manure at site
	Others if any:	E waste will be disposed of to authorized recycler & used batteries shall be returned to battery suppliers.
Area requirement:	Location(s):	within plot
	Area for the storage of waste & other material:	20 Sq. Meter
	Area for machinery:	No machinery required.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 10 Lakhs
	O & M cost:	12 Lakhs

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	5-7	6.0 to 8.5	6.5 to 8.5
2	Biological oxygen demand	mg/L	1000 to 1500	< 30	100
3	Chemical oxygen demand	mg/L	4000 to 4500	< 100	250
4	Oil & Grease	mg/L	15 - 20	< 1	10
5	Total dissolved solids	mg/L	500- 1000	< 100	2100
6	Total ammoniacal nitrogen	mg/L	5-10	< 1	10
Amount of effluent generation (CMD):		Trade effluent: 40 CMD (after expansion)			
Capacity of the ETP:		50 cmd			
Amount of treated effluent recycled :		40 cmd			
Amount of water send to the CETP:		Nil, Unit will maintain Zero Liquid discharge.			
Membership of CETP (if require):		No, Not applicable			
Note on ETP technology to be used		Trade effluent is subjected to Fenton process, followed by pH adjustment and settling and filtration. Filtrate is treated at MEE. Condensate from MEE is recycled at cooling tower. High TDS condensate from MEE is recycled back within process for retreatment.			
Disposal of the ETP sludge		ETP sludge will be disposed of at CHWTSDF.			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent Oil	5.1	TPM	2	8	10	CHWTSDF/Sate to authorized Reprocessor
2	Chemical sludge from waste water treatment	34.3	TPM	8	30	38	CHWTSDF


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3	Filters and filter material which have organic liquids	35.1	TPM	0.5	5.5	5.5	CHWTSDF
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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	3 TPH Boiler, 15 Lackcal/ hr & 8 Lackcal/ hr Thermic Fluid heater (Existing)	Coal 30.72 TPD or Briquette 34.92 TPD	1	Common stack-30.5	0.6	162
2	DG set (240 KVA (existing))	Diesel 60 Lit/hr	2	6 above roof	0.152	168
3	3 TPH Boiler (proposed)	Coal 12 TPD or Briquette 13 TPD	3	30.5	0.45	150
4	15 Lac Kcal / hr Thermic Fluid heater	Coal 13 TPD or Briquette 14 TPD	4	30.5	0.45	150
5	15 Lac Kcal / hr Thermic Fluid heater (proposed)	Coal 13 TPD or Briquette 14 TPD	5	30.5	0.45	150
6	DG set (400 KVA	Diesel 100 Lit/hr	6	6 above roof	0.152	150

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	30.72 TPD	38 TPD	68.72 TPD
2	Bio briquette	34.92 TPD	41 TPD	75.92 TPD
3	HSD (DG sets)	60 Lit/hr	100 Lit / hr	160 Lit/hr

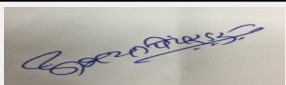
41.Source of Fuel From nearby vendors

42.Mode of Transportation of fuel to site By road

43.Green Belt Development	Total RG area :	Green belt area: 6,666 sq. m.
	No of trees to be cut :	No trees to be cut
	Number of trees to be planted :	~ 750 nos.
	List of proposed native trees :	refer below
	Timeline for completion of plantation :	As per project progress


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	Anona squamosa	Custard apple	As per green belt development	Fast Growing, Evergreen, Round
2	Mimusops elengi	Bakuli	As per green belt development	Fast Growing, Evergreen, Oblong/ Round
3	Lagerstroemia speciosa	Queen Crape Myrtle	As per green belt development	Fast Growing, Evergreen, Oblong


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4	Polyalthia longifolia	Ashok	As per green belt development	Fast Growing, Evergreen, Conical/ Rounded
5	Careya arborea	Kumbhi	As per green belt development	Fast Growing, Evergreen, Spreading
6	Mangifera indica	Mango	As per green belt development	Fast Growing, Evergreen, Round/ oblong
7	Ficus glomerata	Umber	As per green belt development	Fast Growing, Evergreen, Spreading
8	Hardwickia binata	Anjan	As per green belt development	Fast Growing, Evergreen, Spreading
9	Aegle marmelos	Bel	As per green belt development	Fast Growing, Evergreen, Round/ oblong
10	Feronia elephantum	Kawath	As per green belt development	Fast Growing, Evergreen, Round/ oblong
11	Azadirachta indica	Neem	As per green belt development	Fast Growing, Evergreen, Spreading
12	Cochlospermum religiosum	Ganeri	As per green belt development	Fast Growing, Evergreen, Spreading
13	Holoptelea integrifolia	Ainsadada/ Vavla	As per green belt development	Fast Growing, Evergreen, Spreading
14	Balaniles roxburghii	Hinganbet/ Hingu	As per green belt development	Fast Growing, Evergreen, Spreading
15	Holarrhena pubescens	Pandhra-Kuda	As per green belt development	Fast Growing, Evergreen, Oblong

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)	150 KVA
	DG set as Power back-up during construction phase	DG set of 240 KVA (Existing DG set)
	During Operation phase (Connected load):	500 KVA (Total)
	During Operation phase (Demand load):	500 KVA (Total)
	Transformer:	--
	DG set as Power back-up during operation phase:	400 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No, Not applicable

48. Energy saving by non-conventional method:

Lights with low voltage LED lights

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

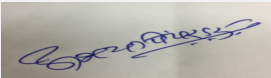
Source	Existing pollution control system	Proposed to be installed
Air pollution-Boiler & Thermic fluid heater	Common stack with cyclone dust collector	Stacks with cyclone dust collector
Air pollution-DG set	Stack	Stack
Water pollution	Pre-treatments, ETP (Pri+Tert), MEE	Pre-treatments, ETP (Pri+Tert), MEE
Noise	PPEs, Acoustic Enclosures	PPEs, Acoustic Enclosures
Hazardous waste	Disposal to CHWTSDF/ As per HW Rules, 2016	Disposal to CHWTSDF/ As per HW Rules, 2016
Non-Hazardous Waste	Sale to Authorized Vendors	Sale to Authorized Vendors

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	145 Lakhs
	O & M cost:	62 Lakh per year

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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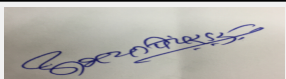
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1	--	--	--	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Bag filter, Dust collector	10	5
2	Water pollution control	Construction of ETP, RO, MEE, Rain water harvesting, construction of storm water network etc.	100	40
3	Waste management	Construction of storage area for different types of wastes in compliance with HW rules, necessary infrastructure, equipment for collection and transport	10	12
4	Environment Monitoring & Management	Installation of online monitoring, in house monitoring, analytical facilities,	15	2
5	Green Belt Development & maintenance	Plantation	5	2
6	Occupational Health & Safety	OHC and its facilities	5	1

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
Rice Bran Fatty Acid	Liquid	Within site	500	500	As per production schedule	Local	tanker
Oleic Acid	Liquid	Within site	500	500	As per production schedule	Local	tanker
Coconut/P.K.Oil	Liquid	Within site	535	535	As per production schedule	Local	tanker
Coconut Fatty Acid	Liquid	Within site	535	535	As per production schedule	Local	tanker
Other Fatty Acids	Liquid	Within site	200	200	As per production schedule	Local	tanker

52.Any Other Information


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No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	2400 Sq.M.
	Area per car:	2.5 m x 5.0 m
	Area per car:	2.5 m x 5.0 m
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-06-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable


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

SEAC-AGENDA-0000000445

PP submitted their application for the grant of prior Environmental Clearance under category 5(f) B1 of the EIA Notification, 2006.



The proposal was considered in the 167th meeting of SEAC-1 held on 30.07.2019 wherein ToR was granted to the PP. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIAEMP report.

1. PP to submit certified copy of compliance of earlier EC No. SEAC-2011/CR-857/TC-2 dated 01.04.2015 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017
2. PP to submit certificate of incorporation of the company, list of directors and memorandum of association/articles
3. PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc
4. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
5. PP to submit an undertaking for not violating any requirements of EIA Notification, 2006 amended from time to time
6. PP to carry out life cycle analysis of all the products manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.
7. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
8. PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.
9. PP to include detailed water balance calculations along with design details of Zero Liquid Discharge effluent treatment plant.
10. PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities
11. PP to carry out HAZOP and QRA and submit disaster management plan.
12. PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report
13. PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
14. PP to submit structural stability certificate of existing building with respect to the proposed expansion.
15. PP to include water and carbon foot print monitoring in the EMP
16. PP to submit hazardous chemical handling protocol
17. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor
18. PP to ensure that, the uniform information is given in the Form-I/II, EIA/EMP report, presentation and consolidated statement

Now, PP submitted EIA/EMP report for appraisal.

PP submitted copy of certified compliance of earlier EC No. SEAC-2011/CR-857/TC-2 dated 01.04.2015 obtained from Regional Office of MoEF&CC, Nagpur dated 12.02.2020.

DECISION OF SEAC

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After detailed deliberations with the PP and their accredited consultant, SEAC- 1 decided to defer the proposal till submission of compliance of following points.

Specific Conditions by SEAC:

- 1) PP to submit copy of certified compliance of conditions stipulated on the Consent to Operate letter to be obtained from the Maharashtra Pollution Control Board.
- 2) PP to provide capping for individual products and make necessary changes in the documents submitted/uploaded including EIA report and Consolidated Statement.
- 3) PP to submit to the scale lay out plan showing internal roads with minimum six meter width and nine meter turning radius, entry/exit gates provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt on periphery of the plot with their dimensions, PP to ensure authentication of the layout with signature of PP, Consultant and Architect.
- 4) PP to submit contour plan showing contour levels, storm water drains, invert levels, internal roads and rain water harvesting facilities. PP to submit storm water drain calculations and rain water harvesting calculation on the plan. PP also to mark the location of connection of storm water drain to the common MIDC drain along with its cross section and invert level.
- 5) PP to submit details of product wise life cycle analysis results mentioning there in green house potential, ozone depletion potential, acidification and eutrophication potential along with proposed mitigation measures. PP also to carry out comparative of potential of each parameter before and after implementation of proposed mitigation measures. A detailed plan for implementation of proposed mitigation measures along with budgetary allocation and specific time line to be included in the EIA/EMP report.
- 6) PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
- 7) PP to prepare and include construction management plan along with construction phase EMP in the EIA report.
- 8) PP to submit revised EMP along with bifurcation of cost proposed for mitigation of impacts on various environmental parameters.
- 9) PP to use briquette as a fuel to the utilities in proposed project instead of coal to reduce air pollution.
- 10) PP to submit documents related to the socioeconomic survey carried out for the proposed project along with observations, recommendation and proposed implementation plan.
- 11) PP to submit their CER plan for development of social and environmental infrastructure in the Z.P. Schools / Primary Health Centre within the study area of the proposed project prepared in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.20218.
- 12) PP to ensure that, the uniform information is submitted in the Consolidated Statement. Form-I/II, EIA/EMP report and Presentation at the time of appraisal.


FINAL RECOMMENDATION

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


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

**SEAC Meeting No: 189th -Day-1 Meeting Date:
August 6, 2020**

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