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

SEAC Meeting number: 151st (Day-1) **Meeting Date** May 23, 2018

Subject: Environment Clearance for Hiwardara Limestone and Dolomite Mine, Opencast mining project, Area 27 Ha; Production Capacity @ 0.6 MTPA, at Village Hiwardhara, Tahsil Wani, District Yavatmal .

Is a Violation Case: No

1.Name of Project	Hiwardara Limestone and Dolomite Mine
2.Type of institution	Private
3.Name of Project Proponent	Prashant V Deshmukh
4.Name of Consultant	Srushti Seva Private Limited
5.Type of project	Mining Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey No 103 (part) Village Hiwardara
9.Taluka	Wani
10.Village	Hiwardara
Correspondence Name:	Prashant V Deshmukh C/ o R H Rathi
Room Number:	Plot No 308
Floor:	Ground
Building Name:	Shyam Kunj
Road/Street Name:	.
Locality:	Shankar Nagar
City:	Nagpur
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	Not App;licable
	IOD/IOA/Concession/Plan Approval Number: Not App;licable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not App;licable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not App;licable
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	23215000

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)	Not applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Dolomite	Nil	41666	41666
2	Limestone	Nil	8333	8333

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Supply and mine pit
	Fresh water (CMD):	40
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	30 Tanker Supply and pit Water for plantation and Dust Suppression
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	40
	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**	Tanker Supply
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	10
	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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Nil	10	10	Nil	10	10	Nil	Nil	Nil
Gardening	Nil	30	30	Nil	30	30	Nil	Nil	Nil
Fresh water requirement	Nil	40	40	Nil	40	40	Nil	Nil	Nil

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.2 to 11.1 m bgl
	Size and no of RWH tank(s) and Quantity:	Garland Drains, Gully plugs, Retaining Wall
	Location of the RWH tank(s):	Along the lease boundary
	Quantity of recharge pits:	500 m
	Size of recharge pits :	2m x 1 m
	Budgetary allocation (Capital cost) :	Rs. 600000/-
	Budgetary allocation (O & M cost) :	Rs 100000/-
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Not applicable, However the storm water during rainy season will be systematically channelized to garland drains proposed along the lease boundary
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	Nil
	STP technology:	Not Applicable
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	120000 cum upto coneptual period
	Wet waste:	Nil
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Top soil will be used for plantation and waste materials will be dumped on non-mineral area which will be biologically stabilized
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Within mining Lease area
	Area for the storage of waste & other material:	52500 sqm
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	-
	O & M cost:	-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amount of effluent generation (CMD):		Nil			
Capacity of the ETP:		Not Applicable			
Amount of treated effluent recycled :		Not Applicable			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Not Applicable			
Disposal of the ETP sludge		Not Applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	-	Not Applicable	Not Applicable	Not Applicable
41.Source of Fuel		Not Applicable		
42.Mode of Transportation of fuel to site		Not Applicable		

43.Green Belt Development	**Total RG area :**	Not Applicable
	No of trees to be cut :	Nil
	Number of trees to be planted :	10500
	List of proposed native trees :	Awala, Behada, Kadulimb, Karanj, Moha Sag, Kawath and Peru
	Timeline for completion of plantation :	Upto 7 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	Emblica officinalis	Awala	1500	Created to intercept dust, gaseous pollutants, noise and Fruits
2	Cassia fistula	Bahava	1000	Created to intercept dust, gaseous pollutants and noise
3	Azadiracta indica	Kadulimb	1500	Created to intercept dust, gaseous pollutants and noise
4	Pongamia pinnata	Karanj	1000	Created to intercept dust, gaseous pollutants and noise
5	Madhuca indica	Moha	1500	Created to intercept dust, gaseous pollutants, noise and Fruits
6	Tectona grandis	Sag	2000	Created to intercept dust, gaseous pollutants, noise and furniture
7	Feronia limonia	Kavath	1000	Created to intercept dust, gaseous pollutants, noise and Fruits
8	Psidium guajava	Peru	1000	Fruit plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Power Distribution Company Limited
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	500 KV
	During Operation phase (Demand load):	500 KV
	Transformer:	No
	DG set as Power back-up during operation phase:	No
	Fuel used:	Nil
	Details of high tension line passing through the plot if any:	None

48.Energy saving by non-conventional method:

It is proposed to install 5 Solar Light poles within mining lease area to saving energy by non-conventional method.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar light	5 lamps

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution Control	No	Dust Suppression

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	50000
	O & M cost:	5000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Dust Suppression	-	1

2	Water Pollution Control	Desilting Tanks, garland drain, Boulder Check plug, Septic Tanks/Soak Pits, Mine water sedimentation pond & pumps	5	-
3	Pollution Monitoring	Air, Noise monitoring Water, Soil sample analysis	-	1
4	Occupational Health	Fire Fighting Equipments (portable), Personnel protection equipments (goggles , gloves, helmets, dust mask, safety boots)	0	1
5	Green belt	Biological reclamation, Plantation, Reclamation (Dump)	-	1
6	Others	Wild life management	-	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
Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	Nil
	Other Relevant Informations	As desired by Hon'ble SEAC in 142nd and 143rd meeting,, fresh application on website along with EIA/EMP and PH minutes. The corrected project cost have also been estimated as 2,32,15,000/- (Rupees Two crore thirty two lacs fifteen thousand only).
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their proposal for prior Environment Clearance to the SEAC-1. ToR was granted to the project in 98th meeting of SEAC-1 held on 26th to 27th March, 2015 under category 1(a)B1 for mining of Lime Stone and Dolomite which is valid upto 12.12.2044.

PP submitted the EIA/EMP reprot during 143rd meeting of SEAC held on 12.02.2017 where in the proposal was deferred and PP was asked to submit afresh application indicating correct project cost.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit layout plan showing 33% green belt within proposed project site. PP to start development of green belt in coming monsson season.
2) PP to develop existing kaccha approach road into tar road so as to reduce the dust pollution.
3) PP to obtain blasting permission from the competent Authority and ensure all possible safety measures to avoid any unforeseen incidents. PP to include risk assessment plan in the EIA report..
4) PP to provide prefabricated STP for treatment of domestic sewage.
5) PP to ensure use of covered vehicles to transport the material from site to prevent dust pollution during transport. PP to submit an undertaking in this regard.
6) PP to submit detailed calculations for the incremental values derived for PM10 and PM2.5 parameter.
7) PP to submit interpretation of the data collected for socio economic impact of the proposed project.
8) PP to submit detailed report on the impact of noise and vibrations on the surrounding environment along with mitigation measures..
9) PP to submit point wise action report along with time lines on the issues raised during Public Consultation.
10) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

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

SEAC Meeting number: 151st (Day-1) **Meeting Date** May 23, 2018

Subject: Environment Clearance for Captive coal based Power Plant 25 MW at Plot No A-23, Tadali Growth Centre MIDC, Tadali, District - Chandrapur, Maharashtra.

Is a Violation Case: No

1.Name of Project	M/s Grace Industries Limited.
2.Type of institution	Private
3.Name of Project Proponent	M/s Grace Industries Limited.
4.Name of Consultant	Pollution & Ecology Control Services
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	A-23, Tadali Growth Centre MIDC
9.Taluka	Chandrapur
10.Village	Tadali
Correspondence Name:	Mr. Ajay Agrawal
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	9, Imambada Road
Locality:	NA
City:	Nagpur
11.Area of the project	Tadali Growth Centre MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 5400
13.Note on the initiated work (If applicable)	The construction of 25 MW CPP is almost 80% completed and hence applied under notification dated 8th March 2018 for violation cases.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	12.5 ha.
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.): 5400
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	950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Industrial shed area	Not applicable	20 m.

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	About 75 no. of users including workers & staff.
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)	20 m. MIDC road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Will be minimum 6 mt.
29.Existing structure (s) if any	Yes, The construction of 25 MW CPP is almost 80% completed and hence applied at the notification dated 8 March 2018.
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	Captive Power Generation	00	25 MW	25 MW

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	500
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	500
	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**	MIDC
	Fresh water (CMD):	500
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	500
	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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	3.5	3.5	0	1.5	1.5	0	2	2
Industrial Process	0	500	500	0	450	450	0	50	50

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon 10-15 m bgl. and post monsoon 5-10 m.
	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report
	Location of the RWH tank(s):	Will be elaborated in final EIA report
	Quantity of recharge pits:	2 Nos.
	Size of recharge pits :	2 m X 2 m X 3 m Depth
	Budgetary allocation (Capital cost) :	Rs.60,000/-
	Budgetary allocation (O & M cost) :	Rs. 5000/- per annum. The details of Rain Water Harvesting will be elaborated in the EIA report after study.
	Details of UGT tanks if any :	Under ground water tank will be provided for fire fighting as per norms
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	**Sewage generation in KLD:**	2 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 No. and 5 KLD capacity
	Location & area of the STP:	Within the Plot Area
	Budgetary allocation (Capital cost):	Rs. 10 Lacs
	Budgetary allocation (O & M cost):	Rs. 1.0 Lacs/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	Fly Ash
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Fly Ash will used for brick manufacturing.
	Wet waste:	NA
	Hazardous waste:	Used oil will be give to authorized recycling vendors
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Within the Plant
	Area for the storage of waste & other material:	About 800 sq. m. will be reserved for fly ash
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		50 KLD			
Capacity of the ETP:		50 KLD			
Amount of treated effluent recycled :		50 KLD			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Settling tank and neutralization tank will be constructed for treatment of waste water			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	NA	NA	NA	NA	NA	Secondary use and sale to recyclers

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	AFBC Boiler	Coal - 18000 TPM and Dolochar- 3000 TPM	1	90	6	100 degree Centigrade

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	0	18000 TPM	18000 TPM
2	Dolochar	0	3000 TPM	3000 TPM
41.Source of Fuel		Coal from WCL and Dolochar from inhouse sponge iron plant.		

42.Mode of Transportation of fuel to site	Coal by tarpaulin covered trucks.

43.Green Belt Development	**Total RG area :**	33 % of the total plot area.
	No of trees to be cut :	NA
	Number of trees to be planted :	400
	List of proposed native trees :	Ashoka, Karanj, Mango, Guava, Neem
	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	Saraca asoca	Ashoka	100	Deciduous, Shady tree
2	Millettia pinnata	Karanj	50	Semi-Deciduous, Shady green, good for roadside plantation.
3	Mangifera Indica	Mango	75	Semi-Deciduous, large tree, longlived tree.
4	Psidium guajava	Guava	75	Semi-Deciduous, Fruit bearing Shady tree
5	Azadirachta indica	Neem	100	Deciduous, Large tree, good for roadside 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 :**	Captive generation and MSEDCL.
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2.5 MW
	During Operation phase (Demand load):	2 MW
	Transformer:	NA
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Operation of CPP will result in source and fugitive emission.	90 mt. stack with ESP.	Already installed.

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	Air Pollution Control	Particulate Matter	Rs. 1.00 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Stack 90 Mt, ESP	Rs. 300 Lac	Rs. 30 Lac

2	Water Pollution Control	STP & ETP	Rs. 10 Lac and Rs. 20 Lac	Rs. 1 lac and Rs. 1 Lac
3	Solid Waste Management	Handling and Disposing	Rs. 20 lac	Rs. 3 lac
4	Green Belt	Plantation	Rs. 2 Lac	Rs. 0.3 Lac
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels; Soil quality	--	Rs. 5 Lac

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:	The said plot is in MIDC area. The width of front of MIDC road is 20 Mtr.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	5000.00 sqmt
	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:	35 to 40 trucks/day will be operated after commission of proposed unit for transportation of raw material.
	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	1(d)
	Court cases pending if any	No
	Other Relevant Informations	Application for ToR under notification dated 8th March 2018 for violation cases.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

DECISION OF SEAC

During deliberations with PP and their accridited consultant, PP requested to delist the proposal.

Hence, SEAC decided to delist the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Subject: Environment Clearance for Environment Clearance for proposed industrial project

Is a Violation Case: No

1.Name of Project	Proposed Synthetic Organic Chemical Plant
2.Type of institution	Private
3.Name of Project Proponent	M/s.Omesa Drugs And Chemicals Private Ltd.
4.Name of Consultant	Green Circle Inc.
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot.No.D-7, Mahad Industrial Area,
9.Taluka	Mahad
10.Village	Birwadi
Correspondence Name:	Dr. Sanjay Suresh Sawant
Room Number:	Flat.No.C-102,
Floor:	1st Floor,
Building Name:	Ganesh Nabhangan, Sr.No.18/19,
Road/Street Name:	B-20, Raikarnagar, Sinhagad Road,
Locality:	Dhayari,
City:	Pune-411041
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approval from Executive Engineer MIDC, Mahad.
15.Total Plot Area (sq. m.)	1500 m2
16.Deductions	--
17.Net Plot area	1500 m2
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.): 488.50
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)	280 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.67%
21.Estimated cost of the project	12600000.0

22.Number of buildings & its configuration

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

1	Building 1	G + 1	10

23.Number of tenants and shops	NA
24.Number of expected residents / users	Workers: 20, Staff: 4.
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)	25 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 7 m
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	FINE CHEMICALS	--	--	--
2	Fendizoic Acid	0	0.5	0.5
3	1-Hydroxybenotriazole	0	2.0	2.0
4	tert-Butyl Hydroquinone	0	1.0	1.0
5	Butylated Hydroxy Anisole	0	0.5	0.5
6	L-Ascorbyl-6-palmitate	0	0.5	0.5
7	Methyl acetoacetate	0	5.0	5.0
8	Mono methyl chloro acetate	0	5.0	5.0
9	PRODUCTS	--	--	--
10	Bronopol	0	4.0	4.0
11	Piracetam	0	0.5	0.5
12	Miconazole Nitrate	0	1.0	1.0
13	Brimonidine Tartarate	0	0.01	0.01
14	Bromfenac Sodium	0	0.01	0.01
15	Nepafenac Sodium	0	0.01	0.01
16	Atenolol	0	0.5	0.5
17	Propranolol	0	0.5	0.5

18	Albendazole	0	1.0	1.0
19	Darunavir	0	0.01	0.01
20	Glycine	0	5.0	5.0
21	Sulphanil amide	0	2.0	2.0
22	Lithium Carbonate	0	1.0	1.0
23	Diclofenic Sodium	0	2.0	2.0
24	Etamsylate	0	1.0	1.0
25	Chlorpromazine	0	0.5	0.5
26	Febuxostat	0	1.0	1.0

32.Total Water Requirement

Dry season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	11 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	NA
Wet season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	11 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	1.0	1.0	0	0.1	0.1	0	0.9	0.9
Industrial Process	0	8.5	8.5	0	0.5	0.5	0	8.0	8.0
Cooling tower & thermopack	0	4.0	4.0	0	1.5	1.5	0	2.5	2.5
Gardening	0	0.5	0.5	0	0.5	0.5	0	0.5	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 mtr
	Size and no of RWH tank(s) and Quantity:	4 x 4 x 1 mtr 1 nos
	Location of the RWH tank(s):	Near main gate
	Quantity of recharge pits:	16 cubic mtr
	Size of recharge pits :	2 x 2 x 1 mtr
	Budgetary allocation (Capital cost) :	Rs. 1.93 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.2 Lakhs /annum
	Details of UGT tanks if any :	UGT: 10 cubic mtr
35.Storm water drainage	**Natural water drainage pattern:**	Through MIDC drain
	Quantity of storm water:	778 cubic mtr. Annually
	Size of SWD:	300 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	1.0 m3/day
	STP technology:	Sewage shall be treated within the ETP
	Capacity of STP (CMD):	Sewage shall be treated within the ETP
	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:**	Top soil shall be removed for foundation work
	Disposal of the construction waste debris:	Excavated soil shall be stored and will be used for plantation work
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	300 kg /Month (Plastics ,Spent Carbon ,Hyflow)
	Hazardous waste:	300 kg / Month ETP Sludge
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Ash: 200 Kg / Month
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	Shall be sent to Authorized waste management unit
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	4 x 4 mtr
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6 Lakhs
	O & M cost:	Rs. 1.5 Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5-8	6.5-8.5	5.5-9.0
2	TDS	mg/lit	2000	<100	<2100
3	BOD	mg/lit	250-300	<10	<100
4	COD	mg/lit	7000-8000	<50	<250

Amount of effluent generation (CMD):	11.4 m3/day
Capacity of the ETP:	13 m3/day
Amount of treated effluent recycled :	0.9 m3/day
Amount of water send to the CETP:	10.5 m3/day
Membership of CETP (if require):	Applied for Membership
Note on ETP technology to be used	As per MPCB guideline
Disposal of the ETP sludge	Sent To CHWMT

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal

1	Spent Carbon	Schedule I	KG	0	100 KG / M	100 KG / M	Send to CHWMT
2	Spent Hyflow	Schedule I	KG	0	200 KG / M	200 KG / M	Send to CHWMT
3	ETP sludge	Schedule I	KG	0	300 KG /M	300 KG /M	Send to CHWMT

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	BRICKATE/Coal 500 Kg /day	1 nos.	1.2 mtr to 2 .0 mtr	500 mm to 700 mm	110 Degree Celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	BRICKATE/Coal	0	200 Kg /day	200 Kg /day
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By Local transport		

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	0
	Number of trees to be planted :	25
	List of proposed native trees :	As per below table
	Timeline for completion of plantation :	Before completion of project

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	Lagerstroemia flosregineae	Tamhan	3	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
2	Butea monosperma	Palas	5	Medium sized deciduous tree
3	Bauhinia racemosa	Apta	5	Small tree with small white flowers, Butterfly host plant
4	Cassia fistula	Bahawa	5	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Azadirachta indica	Neem	7	Semi-evergreen tree with medicinal value
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	100 HP
	During Operation phase (Demand load):	75 HP
	Transformer:	Supply of MSEDCL
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. LED Light.
2. Solar System used for Straight Light.
3. Energy saving Equipment Used

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Led Light	100 nos
2	VFD for Reactor	4 nos
3	VFD for Pump	10 nos
4	Lighting Transformer	1 nos

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution from Process,Boiler and DG sets	NA	Scrubber arrangement Installed
Effluent from Process	NA	ETP Installed
Solid &Hazardous waste	NA	Sent to CHWMST

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 Lakhs
	O & M cost:	Rs. 4 Lakhs/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	To control air pollution	Water For Dust Suppression	1
2	To maintain hygienic condition	Site Sanitation, Disinfection& Safety	2
3	Air, water, noise and soil analysis	Environmental Monitoring	2
4	To check fitness of workers	Health Check Up	1
5	NA	TOTAL	6

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 controlling equipments	7	3.5
2	Effluent Treatment Plant	To treat effluent and sewage	25	2.0
3	Noise Pollution	Noise pollution controlling equipment	1	0.5
4	Rain Water Harvesting	To harvest rain water	1.93	0.2
5	Tree Plantation	For green belt development	3	1
6	Energy saving	For use of solar lighting and solar heater	15	4
7	Solid waste management	To treat biodegradable waste	6	1.5
8	Environment Monitoring	Air, water, noise and soil analysis	5	2.5
9	Occupational Health	Health &Safety of worker	1	1
10	NA	TOTAL	64.93	16.2

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
Liq.Bromine (Hazardous)	Liquid	Store Dept. Area 20 Sq.Mtr	12 MT/ Month	10 MT/ Month	4 MT/ Month	Local Vendor	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	41.25 m2
	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 mtr
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	NA
	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
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 with the PP and their accridited consultant it was observed that PP was not having adequate documents like lay out plan, reaction schemes, etc. to present before the committee. In view of above it was very difficult for the SEAC to understand the propsoal and grant 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

SEAC Meeting number: 151st (Day-1) **Meeting Date** May 23, 2018

Subject: Environment Clearance for Proposed 88.0 TPM Pigments & Dye Intermediates Production Plant at Plot No.: F – 19, MIDC Badlapur, Tehsil: Badlapur, District: Thane, Maharashtra by Thakkar Organics Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Proposed 88.0 TPM Pigments & Dye Intermediates Production Plant at Plot No.: F – 19, MIDC Badlapur, Tehsil: Badlapur, District: Thane, Maharashtra by Thakkar Organics Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit J. Thakkar /Thakkar Organics Pvt. Ltd.
4.Name of Consultant	Mr. H.K. Desai / Enviro Analysts and Engineers Private Limited.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No.: F – 19, MIDC Badlapur
9.Taluka	Badlapur, Thane
10.Village	Badlapur
Correspondence Name:	Mr. Amit J Thakkar
Room Number:	Plot No.: F – 19, MIDC Badlapur, Tehsil: Badlapur, District: Thane, Maharashtra
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	Thane
11.Area of the project	MIDC Badlapur
12.IOD/IOA/Concession/Plan Approval Number	MIDC Badlapur Approval
	IOD/IOA/Concession/Plan Approval Number: EE/AMB/D-32877/of 2015
	Approved Built-up Area: 1408.38
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.)	1449.0 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.): 1408.38
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	40308000

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)	8 m wide MIDC road
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	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	Fast Red GL Base (Meta Nitro Para Toluidine)	0	10	10
2	Fast Boredeaux GP Base (Meta Nitro Para Anisidine)	0	10	10
3	3,4 Diamino Toluene/122	0	3	3
4	5 Amino 6 Methyl Benzimidazolone	0	5	5
5	2-Amino-N-cyclohexyl-N-methylbenzenesulfonamide	0	5	5
6	4 Amino-N-methylphthalimide	0	5	5
7	2,5-Dichloro Para Phenylene Diamine	0	5	5
8	2,5-Dimethyl Para Phenelyene Diamine	0	5	5
9	3,4 Diamino Anisole	0	2	2
10	2-Heptanol	0	15	15
11	Meta Phenoxy Benzyl Alcohol	0	10	10
12	Dilute Acetic Acid (approx. 15% by Product)	0	3	3
13	Sodium Acetate (By Product)	0	10	10

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Badlapur
	Fresh water (CMD):	30.9
	Recycled water - Flushing (CMD):	1.1
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	63.8
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	00
Wet season:	**Source of water**	MIDC Badlapur
	Fresh water (CMD):	28.4
	Recycled water - Flushing (CMD):	1.1
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	61.3
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	00
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	1.5	1.5	0	0.3	0.3	0	1.2	1.2
Industrial Process	0	28.0	28.0	0	4.5	4.5	0	23.5	23.5
Cooling tower & thermopack	0	29.8	29.8	0	25.1	25.1	0	4.7	4.7

Cooling tower & thermopack	0	29.8	29.8	0	25.1	25.1	0	4.7	4.7
Industrial Process	0	0.6	0.6	0	0.1	0.1	0	0.5	0.5
Industrial Process	0	1.4	1.4	0	0.4	0.4	0	1.0	1.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.3 m
	Size and no of RWH tank(s) and Quantity:	1 nos. of 12 KL
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	Not proposed
	Size of recharge pits :	Not proposed
	Budgetary allocation (Capital cost) :	1,50,000
	Budgetary allocation (O & M cost) :	20,000 /Annum
	Details of UGT tanks if any :	1. One Number of UGT for RWH. Capacity of the Tank would be 12 KL. 2. One Number of UGT for Fire Water Storage. Capacity of the Tank will be 100 KL.

35.Storm water drainage	**Natural water drainage pattern:**	East from the project site
	Quantity of storm water:	34.34m3/d
	Size of SWD:	305 mm (w) x 150 mm (d)

Sewage and Waste water	**Sewage generation in KLD:**	1.2
	STP technology:	Sewage Generated will be collected in septic tank first and then the overflow of the septic tank will be fed to the aeration tank of the effluent treatment plant of 35 KLD.
	Capacity of STP (CMD):	Not proposed
	Location & area of the STP:	Not proposed
	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:**	Approx. 452 nos. of empty cement bags, 0.1508 MT of steel scrap, 0.3016 MT of aggregate waste, 38 sq.m of broken tiles and 22 nos of Empty paint cans will be generated
	Disposal of the construction waste debris:	Cement bags, steel scrap and paint cans will be sold to recycler whereas aggregates and broken tiles will be reused within site for internal road levelling and terrace china mosaic.
Waste generation in the operation Phase:	**Dry waste:**	Non Hazardous Solid Wastes from this factory will be from office and plant like waste paper, corrugated box, broken glass / plastic noncontaminated.
	Wet waste:	Domestic waste & garden leaves
	Hazardous waste:	4.26 MT/month of process residues and wastes , 680 kg/month of spent carbon , 45 nos./month of discarded containers, 1000 kg/month of ETP sludge will be generated
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Fly ash 300 kg/d
Mode of Disposal of waste:	**Dry waste:**	Sweepers / workers will collect such wastes separately (Biodegradable and Non biodegradable) from the source and would store in solid waste collection enclosure (to be located suitably within the project site). These Recyclable Non-biodegradable solid wastes will be sold to prospective buyers.
	Wet waste:	Biodegradable solid waste will be used for composting within the plant premises.
	Hazardous waste:	Process residues & wastes, Spent carbon and ETP sludge will be disposed to CHWTDF Taloja and Discarded containers will be sold to authorised recyclers after proper decontamination.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Fly Ash Will be given to Brick Manufacturers.
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Chemical Oxygen demand	ppm	5500-6000	200-150	less than 250
2	Biochemical Oxygen Demand	ppm	600-750	Less then 30	less than 30
3	Total Dissolved Solids	ppm	1800-2000	less than 500	less than 2100
4	Total Suspended Solids	ppm	200-300	Nil	less than 100
5	pH	-	5.5-8	6.5-7	5.5-9

6	Oil and Grease	ppm	50-60	less than 10	less than 10
Amount of effluent generation (CMD):		31.0			
Capacity of the ETP:		35			
Amount of treated effluent recycled :		26.8			
Amount of water send to the CETP:		NIL			
Membership of CETP (if require):		CETP BADLAPUR FOR 24 KLD			
Note on ETP technology to be used		Plant Capacity 35 KLD with Zero liquid Discharge Containing process units {Neturilisation system > Advance oxidation system> Activated sludge process (primary, secondary & tertiary Treatment) with MBR technology > RO system > MEE (2 stage)}			
Disposal of the ETP sludge		CHWTSDF, Taloja.			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Process Residues & wastes	28.1	Mt / Month	0	4.26	4.26	Will be disposed to CHWTSDF, Taloja.
2	Spent Carbon	28.2	kg / Month	0	680	680	Will be disposed to CHWTSDF, Taloja.
3	Discarded Containers	33.3	Nos. / Month	0	45	45	Will be sold to authorized recycler after proper decontamination.
4	ETP Sludge	34.3	kg / Month	0	1000	1000	Will be disposed to 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	Boiler	Coal 104 kg/hr	1	30	0.55	90
2	DG set	HSD 12 Kg/hr	1	18.4	0.2	40

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	0	2.5 TPD	2.5TPD
2	HSD	0	750 l/month	750 l/month
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		Road transport		

43.Green Belt Development	**Total RG area :**	489.91 m2
	No of trees to be cut :	0
	Number of trees to be planted :	26
	List of proposed native trees :	Azadirachta indica, Pithecolobium dulce, Pongamia pinnata,Adenenthera pavonina,Ailanthus excelsa,Albezia lebbeck,Thespesia populnea,Barringtonia racemosa,Bridelia squamosa,Peltophorum pterocarpum
	Timeline for completion of plantation :	Before operation of 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	Azadirachta indica	Neem	6	Medicinal
2	Pithecolobium dulce	Vilayati imli	2	medicinal
3	Pongamia pinnata	Karanj	2	pollution tollerant
4	Adenenthera pavonina	Ratnagunj	4	medicinal
5	Ailanthus excelsa	Maharukh	2	pollution tollerant
6	Albezia lebbeck	Shirish	2	evergreen
7	Thespesia populnea	Ranbhendi	2	evergreen
8	Barringtonia racemosa	Samudraphal	2	medicinal
9	Bridelia squamosa	Aasan	2	evergreen
10	Peltophorum pterocarpum	Sonmohor	2	evergreen
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	200 kVA
	Transformer:	NA
	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:	NA

48.Energy saving by non-conventional method:

? Energy efficient LED will be used which have higher output. 100% of external landscaped street lights will be LED and on solar stand alone.
? Energy efficient LED will be used for internal lights
? Pumps and motors with premium efficiency

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	internal Lighting load on LED lights	28.63 KWH/day
2	External Lighting load on LED and solar stand alone	58.68 KWH/day
3	Pumps and motors with premium efficiency (chilling unit)	111.72 KWH/day
4	umps and motors with premium efficiency (water pump)	9.6 KWH/day

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler emission	NA	Double Cyclone Separator and Bag Filter
Process emission	NA	Srubber
Domestic and industrial waste Water	NA	ETP with tertiary treatment

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	Air Monitoring	PM, SO2, NOx, CO	1.25
2	Noise Monitoring	Daytime and Nightime dB(A)	0.5
3	EHS	Worker Health checkup	1.0

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Air Pollution Control	Bag filter and dual cyclone seperator	14	2.1
2	Water Pollution Control	ETP	95.75	19.15
3	Environment Monitoring and Management	Ambient monitoring	20	1
4	Occupational Health	Worker Health checkup	2.0	0.5
5	Green Belt	Tree plantation	2.0	0.6
6	Solid Waste Management	Hazardous waste management and disposal	10.0	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**
Para toluidine	solid	hazardous storage	10	10	10	Local	road transport
Para anisidine	solid	hazardous storage	10	10	10	Local	road transport
Meta nitro para toluidine	solid	hazardous storage	5	5	5	Local	road transport
5 nitro 6 methyl benzimidazolone	solid	hazardous storage	5	5	5	Local	road transport
2- Nitro N- cyclohexyl – N-methyl benzene sulfonamide	solid	hazardous storage	5	5	5	Local	road transport
4 nitro –N-methyl phthalimide	solid	hazardous storage	5	5	5	Local	road transport
2,5 dichloro para nitro aniline	solid	hazardous storage	10	10	10	Local	road transport
2,5 dimethyl para nitro aniline	solid	hazardous storage	5	5	5	Local	road transport
3 nitro 4 amino anisole	solid	Hazardous storage area	5	5	5	Local	road transport
2 heptanone	liquid	Hazardous storage area	5	5	5	Local	road transport

Meta phenoxy benzaldehyde	liquid	Hazardous storage area	5	5	5	Local	road transport
Ethyl acetate	liquid	tank farm	10	10	10	Local	road transport
Di methyl acetamide	liquid	Hazardous storage area	5	5	5	Local	road transport
Hydrogen	gas	hydrogen shed	1060 m3	1060 m3	1060 m3	Local	road transport
Acetic acid	liquid	tank farm	16	16	16	Local	road transport
Acetic anhydride	liquid	Hazardous storage area	5	5	5	Local	road transport
Toluene	liquid	Hazardous storage area	5	5	5	Local	road transport
Nitric Acid conc.	liquid	tank farm	10	10	10	Local	road transport
caustic soda flakes	solid	Hazardous storage area	10	10	10	Local	road transport
carbon catalyst	liquid	Hazardous storage area	0.02	0.02	0.02	Local	road transport

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	145.27 m2
	Area per car:	28
	Area per car:	28
	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):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	30 km

	Category as per schedule of EIA Notification sheet	5f
	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
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 was granted ToR for the proposed project in 82nd meeting of SEAC-1 held on 3rd to 5th July, 2014 wherein PP was asked to include following additional ToR points in the EIA/EMP report.

1. PP to carry out treataility studies for treatment of industrial effluent.

2. Location and details of hazardous waste storage.

3. Details of boiler ash dispsola.

4. PP to provide STP for treatment of doemstic effluent.

5. Submit consent from CETP for acceptance of the additional load.

6. Details of storm water management.

7. HAZOP and quantitative risk assessment studies pertaining to solvents and hazardous chemicals.

Fire load/ fire water calculations.

Committee also noted below remarks

" *As soon as the draft EIA report is prepared, the same may be submitted to the Maharashtra Pollution Control Board (MPCB) for conducting Public Hearing as per EIA Notification, 2006 and MoEF&CC PM No. J-11013/36/2014 dated 16.05.2014.*"

PP submitted EIA reprot in the 126th meeting of SEAC-1 held on 29th & 30th April, 2016, where in committee noted following observations,

1. At the out set committee was concered about the limited area in which project was proposed with its adverse consequences on parking and disaster management among other avoidable contingencies. In particular it was observed that there was no space for vehicles to turn within the premsies and parking has to be managed on the MIDC road.

2. From disaster managent view the process being carried out and chemicals handled are of hazardous nature, and therefore the limited area of the site may give rise to risky situation. Secondary consequence analysis pertaining to other organic industries in the vicinity also impacts the nature of hazard management.

3. EIA report itself suffer from various infirmities. Solvent Di Chlori Methane need to be substituted because it is neither a green solvent nor does the proposed process proves that the process will not result in the solvent being discharged into atmosphere.

4. The boiler will be shared with the sister concern, therefore issue of liability and emission managemet remains in the hands of sister concern on which this committee doesnot have any control.

5. It is possible to conserve water from MIDC by process reengineering and also by reducing out flow to the CETP by judicious recycling. There are mistakes in the manufacturing process details like names of raw materials and products need to be corrected and material balance need to be reworked.

6. The baseline data studies have been carried out satisfactorily. The committee however observed that ambient air quality levels at Rameshwarwadi were quite high at 90 Micrgram/m3 maximum.

7. All above factors indicated that the EIA Reprot need to be reworked/revised to address the issues mentioned above.

The proposal was deferred.

Now PP submitted the EIA reprot.

DECISION OF SEAC

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

Specific Conditions by SEAC:

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) 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.
3) At many places in the base line data the maximum levels are exceeded than the standard limits but PP has not indicated reasons and mitigation measures; PP to include the in

FINAL RECOMMENDATION

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

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

SEAC Meeting number: 151st (Day-1) **Meeting Date** May 23, 2018

Subject: Environment Clearance for EXPANSTION OF SYNTHETIC RESINS CAPACITY FROM 5100 MT/A (100% SOLIDS) i.e. 6375 MT/A AS IT IS IN SOLUTION FORM TO 30000 MT/A (100 % SOLIDS) i.e. 37500 MT/A AS IT IS IN SOLUTION FORM

Is a Violation Case: No

1.Name of Project	RESINS AND PLASTICS LTD.
2.Type of institution	Private
3.Name of Project Proponent	RUPEN A. CHOKSI
4.Name of Consultant	MANTRAS GREEN RESOURCES LTD.
5.Type of project	INDUSTRIAL ESTATE
6.New project/expansion in existing project/modernization/diversification in existing project	EXPANSTION IN EXISTING PROJECT
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NO
8.Location of the project	PLOT NO. 3-A, TALOJA INDUSTRIAL ESTATE OF MIDC , DISTRICT - RAIGAD, PIN - 410208
9.Taluka	PANVEL
10.Village	MIDC TALOJA
Correspondence Name:	SHRI RUPEN A. CHOKSI
Room Number:	PLOT NO. 3-A, TALOJA INDUSTRIAL ESTATE OF MIDC ,
Floor:	NA
Building Name:	RESINS AND PLASTICS LTD
Road/Street Name:	NA
Locality:	TALUKA - PANVEL, DISTRICT - RAIGAD, PIN - 410208, NAVI MUMBAI.
City:	PANVEL
11.Area of the project	MIDC TALOJA
12.IOD/IOA/Concession/Plan Approval Number	MIDC LAYOUT
	IOD/IOA/Concession/Plan Approval Number: DE/TLJ/SPA NO C92420 DATED 08/09/2016
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	18166.55 SQM
16.Deductions	4576.74 SQM
17.Net Plot area	13589.81 SQM
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4854.321 SQM
	b) Non FSI area (sq. m.): 8735.48 SQM
	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)	2605.503 SQM
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.20
21.Estimated cost of the project	105000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	RESIN SHED	G + 3	22.4
2	GODOWN	GROUND FLOOR	6
3	LABORATORY BUILDING	G + 1	9
4	DG SET ROOM	GROUND FLOOR	6
5	R & D SHED	G +1	8.5
6	SOLVENT GODOWN	GROUND FLOOR	6
7	ETP LAB	GROUND FLOOR	2.5
8	PUMP ROOM - 1	GROUND FLOOR	2.5
9	PUMP ROOM - 2	GROUND FLOOR	2.5
10	WATCHMAN CABIN	GROUND FLOOR	2.5

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)	30 METER
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	TURNING RADIUS PROVIDED 6 METERS
29.Existing structure (s) if any	RESIN SHED, GODOWN, LABORATORY BUILDING, R & D SHED, SOLVENT GODOWN, WATCHMAN CABIN ETC.
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	SYNTHETIC RESINS	425 (100% Solids) i.e. 531.25 as it is in solution form	2075 (100% Solids) i.e.2593.75 as it is in Solution form	2500 (100% Solids) i.e. 3125 as it is in Solution form

32.Total Water Requirement

Dry season:	**Source of water**	MIDC TALOJA
	Fresh water (CMD):	96.4
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	45.1
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	141.5
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	NA
Wet season:	**Source of water**	MIDC TALOJA
	Fresh water (CMD):	96.4
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	45.1
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	141.5
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Industrial Process	16	19	35	2.2	2.5	4.7	16.7	19.3	36
Domestic	8.5	2.5	11	1.5	0.5	2	7	2	9
Cooling tower & thermopack	13.5	60	73.5	13	58	71	0.5	2	2.5
Gardening	10	12	22	10	12	22	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1 M
	Size and no of RWH tank(s) and Quantity:	NIL AS GROUND WATER TABLE LEVEL IS LESS THAN ONE METER.
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	WATER TABLE LEVE IN OUR AREA IS LESS THAN ONE METER HENCE RECHARGE PITS NOT FEASIBLE
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	SR.No Tank No. ST-6 (Old UG-2) ST-5 (Old UG-1) 1 Type of Tank Horizontal Cylindrical Flat Ends Horizontal Cylindrical Flat Ends 2 Material of Construction M.S. M.S. 3 Avg.Internal Dia. 289.5 cm 232.4 cm 4 Internal length 1036.3 cm 609.6 cm 5 Safe Filling Height 265 cm 215 cm 6 Capacity 68007 liters 25863 liters 7 Liquid/Contents MTO Slop oil
35.Storm water drainage	**Natural water drainage pattern:**	BY STORM WATER DRAINAGE
	Quantity of storm water:	0.450 MTR X 0.525 MTR X 1 MTR = 236.25 LTRS PER RUNNING MTR TOTAL LENGTH OF SWD IS 565 MTRS (i.e. 133.48 CU. MTR)
	Size of SWD:	0.450 MTR X 0.525 MTR X 565 MTR
Sewage and Waste water	**Sewage generation in KLD:**	EXISTING 7 KLD AND PROPOSED 2 KLD TOTAL 9 KLD
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	1) 35.3- CHEMICAL SLUDGE : 30 MT/A 2} 35.4- OIL AND GREASE SKIMMING RESIDUES : 1 MT/A 3) 33.31-DISCARDED CONTAINERS / BARRELS / LINERS / BAGS : 1,54,840 NO'S./A 4] 23.1-PROCESS WASTE / RESIDUES : 50 MT/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	EFFLUENT TREATMENT PLANT
	Area for the storage of waste & other material:	40 SQM
	Area for machinery:	800 SQM
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	90 LAKHS
	O & M cost:	12 LAKHS / A

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	-	3-9.0	6-8.5	5.5 TO 9
2	SUSPENDED SOLID	MG/L	100 - 150	60 - 90	100
3	BOD (3 DAYS 27C)	MG/L	800-1050	60 - 90	100
4	COD	MG/L	2000 - 2500	190 - 230	250
5	OIL & GREASE	MG/L	9 - 13	6 - 9	10

Amount of effluent generation (CMD):	47.5
Capacity of the ETP:	50
Amount of treated effluent recycled :	45.1
Amount of water send to the CETP:	0
Membership of CETP (if require):	YES
Note on ETP technology to be used	EFFLUENT SHALL BE TREATED IN THE IN HOUSE FULL FLEDGED EFFLUENT TREATMENT PLANT FOLLOWED BY ADVANCED RO SYSTEM WITH ME TREATMENT.
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	PROESS WASTE /RESIDUE	23.1	MT/A	26.4	23.6	50	CHWTSDF
2	CHEMICAL SLUDGE, OIL AND GREASE SKIMMING RESIDUES	35.3	MT/A	17.5	12.5	30	CHWTSDF
3	DISCARDED CONTAINERS / BARRELS / LINER S / BAGS	33.1	NO'S/A	54840	100000	1,54,840	SALE TO AUTHORISED PARTY
4	OIL & GREASE SKIMMING	35.4	MT/A	0.5	0.5	1	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	THERMOPACK NO. 4 OF CAPACITY - 10 LAKH KCAL/HR	FUEL - NATURAL GAS (PNG) , QUANTITY - 1500 SCM/DAY	1	24.0	430	170
2	THERMOPACK NO.6 (STANDBY) OF CAPACITY - 6 LAKH KCAL/HR	FUEL - FURNACE OIL, QUANTITY - 1.4 TON/DAY	2	24.0	430	200
3	THERMOPACK NO .7 OF CAPACITY - 10 LAKH KCAL/HR	FUEL - NATURAL GAS (PNG) , QUANTITY - 1500 SCM/DAY	3	24.0	430	200
4	OIL HEATING SYSTEM	FUEL - LDO , QUANTITY - 30 LTR/DAY	4	10.0	200	120
5	DG SET (325 KVA)	FUEL - DIESEL, QUANTITY - 15 LTR/HR	5	2.5	150	320
6	SCRUBBER VENT R & D PLANT	NA	6	7	250 X 150	30
7	THERMOPACK NO. 8 OF CAPACITY - 20 LAKH KCAL/HR	FUEL - NATURAL GAS (PNG) , QUANTITY - 3000 SCM/DAY	7	24	750	200

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NATURAL GAS (PNG)	2000 SCMD	5000 SCMD	7000 SCMD
2	FURNACE OIL	1.40 TON./ DAY	0	1.40 TON./ DAY
41.Source of Fuel		MAHANAGAR GAS LIMITED		
42.Mode of Transportation of fuel to site		BY PIPED NATRURAL GAS		

43.Green Belt Development	**Total RG area :**	1816.66 SQM
	No of trees to be cut :	NA
	Number of trees to be planted :	75
	List of proposed native trees :	ASHOKA TREES,CHAFA TREE,BANANA TREE,MANGO TREE,TAGAR
	Timeline for completion of plantation :	WITHIN NINE MONTHS

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	ASHOKA TREES	SARACA INDICA	49	TOLERANT TO AIR POLLUTION AND IS EFFECTIVE IN ALLEVIATING NOISE POLLUTION

2	CHAFA TREE	PLUMERIA	10	TOLERANT TO AIR POLLUTION AND IS EFFECTIVE IN ALLEVIATING NOISE POLLUTIONEDUCES AIR POLLUTION
3	BANANA TREE	BANANA	10	FOOD, SHEITER & MEDICINE
4	MANGO TREE	MANGO TREE	1	FOOD & SHEITER
5	TAGAR	CRAPE JASMINE	5	TOLERANT TO AIR POLLUTION AND IS EFFECTIVE IN ALLEVIATING NOISE POLLUTION?
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	750 KVA
	During Operation phase (Demand load):	340 KVA
	Transformer:	315 KVA
	DG set as Power back-up during operation phase:	320 KVA
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

1. REPLACED FLAME PROOF CLF LIGHTS TO FLAME PROOF LED LIGHTS IN THE PLANT AND OFFICE.
2. CHANGE OVER TO PNG FUEL INSTED OF FURANCE OIL FOR RUNNING OVER THERMOPACS.
3. INSTALLED TIMER FOR THE BLENDER STIRRERS TO SAVE ELECTRICITY.
4. OPTIMIZED REACTOR STIRRER MOTOR RATING,
5. REPLACED OLD DIESEL GENERATOR WITH NEW ENERGY EFFICIENT DG SET.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	%	10

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
FUMES	SCRUBBING SYSTEM	NA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10 LAKHS (REPLACEMENT OF OLD ELECRTIC MOTORS BY ENERGY EFFICIENT NEW MOTORS.)
	O & M cost:	18 LAKHS / A

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	ZLD	R.O. SYSTEM + EVAPORATOR	70	12
2	ETP	MEMBRANE DIFFUSERS, BLOWER	10	2
3	EMISSION	FUGITIVE EMISSION HANDALLING SYSTEM	10	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
MMA	IN USE	SOLVENT YARD	4	10	23	MANUFACTURER / TRADERS	BY ROAD
OCTANOL	IN USE	SOLVENT GODOWN	1	1.5	5.5	MANUFACTURER / TRADERS	BY ROAD
BASONAT	IN USE	SOLVENT GODOWN	3	4	1.6	MANUFACTURER / TRADERS	BY ROAD
STYRENE	IN USE	SOLVENT YARD	7	15	98	MANUFACTURER / TRADERS	BY ROAD
STYRENE	IN USE	SOLVENT YARD	7	15	98	MANUFACTURER / TRADERS	BY ROAD
BUTANOL	IN USE	SOLVENT YARD	3	20	134	MANUFACTURER / TRADERS	BY ROAD
BUTYL CELLOSOLVE	IN USE	SOLVENT GODOWN	2.5	3	7	MANUFACTURER / TRADERS	BY ROAD
TOLUENE	IN USE	SOLVENT GODOWN	3.5	4	9.5	MANUFACTURER / TRADERS	BY ROAD
SOLVENT C-9	IN USE	SOLVENT GODOWN	3.5	4	7	MANUFACTURER / TRADERS	BY ROAD
AROMAX	IN USE	SOLVENT GODOWN	3	3.5	6.5	MANUFACTURER / TRADERS	BY ROAD
ETHYL ACETATE	IN USE	SOLVENT GODOWN	2	2.5	9	MANUFACTURER / TRADERS	BY ROAD
TODI	IN USE	SOLVENT GODOWN	3	4	22	MANUFACTURER / TRADERS	BY ROAD

MPA	IN USE	SOLVENT GODOWN	2	2.5	0.35	MANUFACTURER / TRADERS	BY ROAD
DIESEL	IN USE	SOLVENT GODOWN	2	2.5	0.8	MANUFACTURER / TRADERS	BY ROAD
XYLENE	IN USE	SOLVENT YARD	120	120	655	MANUFACTURER / TRADERS	BY ROAD

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 NUMBER JUNCTION AND NO CONFLUENCE
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	80 SQM
	Area per car:	6
	Area per car:	6
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NAVI MUMBAI MUNICIPAL TRANSPORT (NMMT)
	Width of all Internal roads (m):	3
	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 (5 F)
	Court cases pending if any	NA
	Other Relevant Informations	1.WE ARE CERTIFIED WITH ISO 9001 - 2015 BY CERTIFICATION BODY TUV NORD. 2. WE ARE GOING TO IMPLIMENT ISO 14001 & 18001 IN COMING YEAR 2019- 2020. 3. OUR R & D TEAM WORKING ON TO REDUCE POLLUTION LOAD
	Have you previously submitted Application online on MOEF Website.	No

	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

DECISION OF SEAC

PP remained absent.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

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

SEAC Meeting number: 151st (Day-1) **Meeting Date** May 23, 2018

Subject: Environment Clearance for Submission of Violation proposal of Hiwardara Limestone & Dolomite Mine, Area 13.14 Ha, Village Hiwardara, Tahsil Wani, Yavatmal District, Maharashtra

Is a Violation Case: Yes

1.Name of Project	Hiwardara Limestone & Dolomite Mine
2.Type of institution	Private
3.Name of Project Proponent	Shri Surendra C. Bhartia
4.Name of Consultant	Srushti Seva Private Limited
5.Type of project	Mining Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project (Violation proposal)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance obtanied in 2014
8.Location of the project	Survey Nos. 35, 70, 101 & 102
9.Taluka	Wani
10.Village	Hiwardara
Correspondence Name:	Shri Surendra C. Bhartia
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	20, New Cotton Market
City:	Nagpur
11.Area of the project	Corporation area
12.IOD/IOA/Concession/Plan Approval Number	No
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
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.)	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.):** Not Applicable
	Approved Non FSI area (sq. m.): Not Applicable
	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	5430000

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)	Not applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Limestone & Dolomite	Nil	4600	4600

32.Total Water Requirement

Dry season:	**Source of water**	Borewll
	Fresh water (CMD):	4.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4.5
	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**	Borewll
	Fresh water (CMD):	1.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1.5
	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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Nil	1.5	1.5	Nil	1.5	1.5	Nil	Nil	Nil
Gardening	Nil	3.0	3.0	Nil	3.0	3.0	Nil	Nil	Nil
Fresh water requirement	Nil	4.5	4.5	Nil	4.5	4.5	Nil	Nil	Nil

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 m to 14 m
	Size and no of RWH tank(s) and Quantity:	Garland drain, length 150 m
	Location of the RWH tank(s):	Garland drain, North & East boundary of the project
	Quantity of recharge pits:	300 m3
	Size of recharge pits :	150 m Length x 2 m width x 1 m depth
	Budgetary allocation (Capital cost) :	Rs. 60000/-
	Budgetary allocation (O & M cost) :	Rs. 20000/-
	Details of UGT tanks if any :	Not Applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable. However, the storm water due to rainfall will be channelized to the natural water courses like gullies through appropriate drainage system with
	Quantity of storm water:	Ranifall runoff
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	Nil
	STP technology:	Not applicable
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	None
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	9719 m3 , Top soil & mineral rejects
	Wet waste:	Nil
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	There will be temporarily OB dumps, which will subsequently spread along with periphery and biologically reclaimed
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	None
Area requirement:	**Location(s):**	There will be temporarily OB dumps, which will subsequently spread along with periphery and biologically reclaimed
	Area for the storage of waste & other material:	1.003 Ha (Temporary)
	Area for machinery:	None
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable
37.Effluent Charecterestics		

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	None	Not Applicable	Not Applicable	Not Applicable
41.Source of Fuel		None		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	0
	No of trees to be cut :	Few samll trees to be cut
	Number of trees to be planted :	6000
	List of proposed native trees :	Awala, Behada, Kadulimb
	Timeline for completion of plantation :	Upto 10 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	Tectona grandis	Sag	1500	Created to intercept dust, gaseous pollutants and noise
2	Cassia fistula	Behada	1000	Created to intercept dust, gaseous pollutants and noise

3	Azadiracta indica	Kadulimb	1000	Created to intercept dust, gaseous pollutants and noise
4	Emblica officinalis	Amla	1500	Created to intercept dust, gaseous pollutants and noise
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Power Distribution Company Limited
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	For office use only
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	None

48.Energy saving by non-conventional method:

Solar light

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar lamp	5

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution Control	None	Dust Suppression

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50000
	O & M cost:	Rs. 10000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Dust Suppression	Nil	0.5
2	Water Pollution Control	Desilting Tanks, garland drain, Boulder Check plug, Septic Tanks/Soak Pits, Mine water sedimentation pond & pumps	2	Nil
3	Pollution Monitoring	Hydrogeological monitoring, Air, Water, Noise Vibration Monitoring	Nil	0.5
4	Conservation of Natural Resources	Solar Lightening arrangement, Rainwater Harvesting ,Soil preservation (biological reclamation)	1	Nil
5	Plantation /Reclamation	Biological reclamation, Plantation, Reclamation (Dump)	1	0.5
6	Occupational Health	Fire Fighting Equipments (portable), Personnel protection equipments (goggles , gloves, helmets, dust mask, safety boots	1	0.5

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
None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Not Applicable
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Application for ToR under notification dated 8th March 2018 for Violation cases.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

DECISION OF SEAC

PP remained absent.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

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

SEAC Meeting number: 151st (Day-1) **Meeting Date** May 23, 2018

Subject: Environment Clearance for Captive coal based Power Plant 25 MW at Plot No A-23, Tadali Growth Centre MIDC, Tadali, District - Chandrapur, Maharashtra.

Is a Violation Case: Yes

1.Name of Project	M/s Grace Industries Limited.
2.Type of institution	Private
3.Name of Project Proponent	M/s Grace Industries Limited.
4.Name of Consultant	Pollution & Ecology Control Services
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	A-23, Tadali Growth Centre MIDC
9.Taluka	Chandrapur
10.Village	Tadali
Correspondence Name:	Mr. Ajay Agrawal
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	9, Imambada Road
Locality:	NA
City:	Nagpur
11.Area of the project	Tadali Growth Centre MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 5400
13.Note on the initiated work (If applicable)	The construction of 25 MW CPP is almost 80% completed and hence applied under notification dated 8th March 2018 for violation cases.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	12.5 ha.
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.): 5400
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: 18-11-2006
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	950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Industrial shed area	Not applicable	20 m.

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	About 75 no. of users including workers & staff.
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)	20 m. MIDC road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Will be minimum 6 mt.
29.Existing structure (s) if any	Yes, The construction of 25 MW CPP is almost 80% completed and hence applied at the notification dated 8 March 2018.
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	Captive Power Generation	00	25 MW	25 MW

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	500
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	500
	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**	MIDC
	Fresh water (CMD):	500
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	500
	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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	3.5	3.5	0	1.5	1.5	0	2	2
Industrial Process	0	500	500	0	450	450	0	50	50

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon 10-15 m bgl. and post monsoon 5-10 m.
	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report
	Location of the RWH tank(s):	Will be elaborated in final EIA report
	Quantity of recharge pits:	2 Nos.
	Size of recharge pits :	2 m X 2 m X 3 m Depth
	Budgetary allocation (Capital cost) :	Rs.60,000/-
	Budgetary allocation (O & M cost) :	Rs. 5000/- per annum. The details of Rain Water Harvesting will be elaborated in the EIA report after study.
	Details of UGT tanks if any :	Under ground water tank will be provided for fire fighting as per norms
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	**Sewage generation in KLD:**	2 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 No. and 5 KLD capacity
	Location & area of the STP:	Within the Plot Area
	Budgetary allocation (Capital cost):	Rs. 10 Lacs
	Budgetary allocation (O & M cost):	Rs. 1.0 Lacs/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	Fly Ash
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Fly Ash will used for brick manufacturing.
	Wet waste:	NA
	Hazardous waste:	Used oil will be give to authorized recycling vendors
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Within the Plant
	Area for the storage of waste & other material:	About 8000 sq. m. will be reserved for fly ash
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		50 KLD			
Capacity of the ETP:		50 KLD			
Amount of treated effluent recycled :		50 KLD			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Settling tank and neutralization tank will be constructed for treatment of waste water			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	NA	NA	NA	NA	NA	Secondary use and sale to recyclers

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	AFBC Boiler	Coal - 18000 TPM and Dolochar- 3000 TPM	1	90	6	100 degree Centigrade

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	0	18000 TPM	18000 TPM
2	Dolochar	0	3000 TPM	3000 TPM
41.Source of Fuel		Coal from WCL and Dolochar from inhouse sponge iron plant.		

42.Mode of Transportation of fuel to site	Coal by tarpaulin covered trucks.

43.Green Belt Development	**Total RG area :**	33 % of the total plot area.
	No of trees to be cut :	NA
	Number of trees to be planted :	400
	List of proposed native trees :	Ashoka, Karanj, Mango, Guava, Neem
	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	Saraca asoca	Ashoka	100	Deciduous, Shady tree
2	Millettia pinnata	Karanj	50	Semi-Deciduous, Shady green, good for roadside plantation.
3	Mangifera Indica	Mango	75	Semi-Deciduous, large tree, longlived tree.
4	Psidium guajava	Guava	75	Semi-Deciduous, Fruit bearing Shady tree
5	Azadirachta indica	Neem	100	Deciduous, Large tree, good for roadside 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 :**	Captive generation and MSEDCL.
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2.5 MW
	During Operation phase (Demand load):	2 MW
	Transformer:	NA
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Operation of CPP will result in source and fugitive emission.	90 mt. stack with ESP.	Already installed.

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	Air Pollution Control	Particulate Matter	Rs. 1.00 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Stack 90 Mt, ESP	Rs. 300 Lac	Rs. 30 Lac

2	Water Pollution Control	STP & ETP	Rs. 10 Lac and Rs. 20 Lac	Rs. 1 lac and Rs. 1 Lac
3	Solid Waste Management	Handling and Disposing	Rs. 20 lac	Rs. 3 lac
4	Green Belt	Plantation	Rs. 2 Lac	Rs. 0.3 Lac
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels; Soil quality	--	Rs. 5 Lac

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:	The said plot is in MIDC area. The width of front of MIDC road is 20 Mtr.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	5000.00 sqmt
	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:	35 to 40 trucks/day will be operated after commission of proposed unit for transportation of raw material.
	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	1(d)
	Court cases pending if any	No
	Other Relevant Informations	Application for ToR under notification dated 8th March 2018 for violation cases.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

The said proposal was considered by the EAC, MOEF&CC in their 2nd meeeting held on 15-16 January, 2018 and noted as below.

The PP, after taking over the plant in the year 2008, applied for EC to SEAC/SEIAA on 15th January, 2009 for 25 MW CPP (under construction in 2008). The proposal was recommended by the SEAC in its meeting held on 18th November, 2009 for grant of EC. However, tha same could not be taken up due to moratorium imposed on Chandrapur Industrial Area (designated as Critically Polluted Area) allowing no scope for any expansion, modernization or value addition.

Based on recommendations of SEAC, SEIAA in its meeting held on 7-8 March, 2013 decided to request the State Government of Maharashtra to recommend the case to MoEF for consideration of EC as a special case.

Subsequent to lifting of moratorium, the proposal for considedaration of ToR was submitted to the MoEF on 17th June, 2016. However on further examination of the proposal, it was noted that construction of 25 MW power plant was started on 3rd January, 2007 by the old management without prior Environment Clearance thus resulted in the violation of EIA Notification, 2006.

The project fall under category 1(d)B1.of EIA Notification,2006 amended time to time to obtain Environmental Clearance from SEIAA.

Now as per amended Notification issued by MoEF&CC dated 08.03.2018, PP applied for the grant of ToR to the SEIAA vide Unique ID No1178.. on 10th April, 2018 on SEIAA portal for grant of ToR as a case of violation.

DECISION OF SEAC

Based on the activities initiated by the PP without obtaining prior Environment Clearance, the PP submitted a proposal for grant of Terms of References for preparation of EIA and EMP report and to implement EMP, comprising of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation as a condition of Environment Clearance.

After detailed deliberations with the PP and their accredited consultant M/s Pollution and Ecology Control Services, Nagpur committee decided to approve the TOR for the preparation of EIA/EMP report as per model TOR issued by MoEF & CC published in April, 2015, Notification dated 14.03.2017and 08.03.2018 and OM dated 15.03.2017 along with additional TOR points mentioned below.

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

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

PP to carry out Public Consultation as per procedure stipulated in the EIA Notification,2006 and submit point wise compliance of the issues raised during the Public Consultation.

Specific Conditions by SEAC:

1) PP to submit an undertaking for not having any eco sensitive area in the radius of 5 km from proposed site.
2) PP to submit an undertaking about constructions on site and activities initiated without obtaining prior environmental clearance.
3) PP to submit details of project description, its importance and benefits. The benefits shall clearly indicate environmental, social, economic, employment potential etc.
4) PP to submit project site details (location, topo sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
5) 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.
6) PP to submit land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report.
7) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
8) PP to ensure existing environmental quality within 10 km radius of the project site to be assessed based on primary data generated at site and secondary data collected from various sources. One time baseline data to be generated for following environmental attributes based on site conditions.
9) 8.1 Meteorology and Air Quality: Meteorological data like temperature, humidity, rainfall, wind direction, wind speed to be obtained as to assess the climatic trend through secondary source such as IMD, Pune.
10) 8.2 Air Environment: (i) The monitoring stations shall be selected based on likely impact areas due to proposed activity/sensitive areas, near by habitations around the project site if any, topography, down wind and up wind directions. (ii) Eight stations to be selected for monitoring of PM2.5, PM10, SOx, NOx for one time baseline study as per CPCB guidelines for Ambient Air Quality Monitoring. (iii) Dispersion pattern to be generated to assess the existing ambient air quality of the study area around 10 km radius through ArcGLS platform.
11) 8.3 Water Environment: (i)Grab surface ground water samples to be collected around 10 km radius parameters recommended by CPCB/IS 10500 to be analyzed to assess the physio chemical and bacteriological quality of the water. (ii) Samples to be collected one time during study period to identify the impact due to proposed project operations. (iii) Details of proposed water conservation measures to be given in the report.
12) 8.4 Soil Environment: (i) Soil samples to be collected and analyzed for physical and chemical properties of the soil to determine the impact on the soil due to proposed activities and to determine the impact of loss of fertility from agricultural productivity point of view. (ii) Samples to be collected one time during the study period. (iii) Soil conservation measures to be given to prevent soil erosion and to utilize soil efficiency.
13) 8.5 Land Environment: Land use and land cover analysis delineating the agricultural land, forest land, waste land, built up land, water bodies, pre and post mining land use using satellite imageries through ERDAS and ArcGIS platform.
14) 8.6. Socio Economic Environment: (i) Secondary data to be used from source such as Census records/ data available with local offices etc. (ii) PP to collect primary data through physical survey and corelate with the available seconday data.(iii) Spatial distribution of population, occupational characteristics, literacy rate, sanitation status, availability of safe drinking water and adequate nutrition especially to the pregnant womens and childrren in the area etc.
15) 8.7. Ecology and Biodiversity: (i) a detailed biological study of the area to be carried out around 10 km radius through field survey.(ii) Location of national park, sanctuaries, biosphere reserves, wild life corridors etc. if any, within 10 km radius to be mentioned. (ii) Phase wise plan of plantation to be charted clearly indicating the area to be covered under plantation and the species to be planted.
16) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
17) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
18) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
19) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

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.