166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Development of fishing harbor to provide Infrastructural Post Harvesting Facility to Fishermen at Anandwadi, Tal. Deogad, Dist. Sindhudurg

Is a Violation Case: No

1.Name of Project	Development of fishing harbor to provide Infrastructural Post Harvesting Facility to Fishermen at Anandwadi, Tal. Deogad, Dist. Sindhudurg
2.Type of institution	Government
3.Name of Project Proponent	Maharashtra Fisheries Development Corporation Ltd
4.Name of Consultant	Aditya Environmental Services Pvt Ltd
5.Type of project	Others- Infrastructure project (Fishing Harbour)
6.New project/expansion in existing project/modernization/diversification in existing project	Diversification in existing Project in form of reduction in proposed project area
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance under CRZ Notification 1991 from MoEFCC on 21st February 2007
8.Location of the project	Anandwadi village, Devgad Taluka, Sindhudurg district
9.Taluka	Devgad
10.Village	Anandwadi
Correspondence Name:	Shri Ashok M Bhalkar
Room Number:	178
Floor:	3rd
Building Name:	N.K.M International House
Road/Street Name:	Babubhai M Chinai Marg
Locality:	Behind LIC Yogashame Bldg
City:	Mumbai
11.Whether in Corporation / Municipal / other area	The proposed project site is in Village Anandwadi, Devgad
12.IOD/IOA/Concession/Plan Approval Number	As per development authority
	IOD/IOA/Concession/Plan Approval Number: As per development authority
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	The Project area has been reclaimed wrt to the obtained Environmental Clearance under CRZ Notification 1991 from MoEFCC on 21st February 2007
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable since this proposal is for Fishing Harbour
15.Total Plot Area (sq. m.)	Project Area is 16.60 Ha
16.Deductions	0
17.Net Plot area	0
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):**
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable since this proposal is for Fishing Harbour
	Approved Non FSI area (sq. m.): Not applicable since this proposal is for Fishing Harbour
	Date of Approval: 30-04-2019
19.Total ground coverage (m2)	Not applicable since this proposal is for Fishing Harbour
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable since this proposal is for Fishing Harbour
21.Estimated cost of the project	884400000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	--	--	--

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	7 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per rule
29.Existing structure (s) if any	Not applicable. No existing structures on site.
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Fishing harbor to provide Infrastructural Post Harvesting Facility to Fishermen	--	Fish handling capacity– 13,953 TPA	Fish handling capacity– 13,953 TPA

32.Total Water Requirement

Dry season:	**Source of water**	Deogad municipality (water fall near shirgaon, 35km away)
	Fresh water (CMD):	Fresh water requirement 225 KLD (Operation Phase)
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable Since proposal is for Fishing Harbour
	Total Water Requirement (CMD) :	225 Kld
	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**	Deogad municipality (water fall near shirgaon, 35km away)
	Fresh water (CMD):	Fresh water requirement 225 KLD (Operation Phase)
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	225 Kld
	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 Since proposal is for Fishing Harbour	

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	25	25	0	5	5	0	20	20
Industrial Process	0	200	200	0	20	20	0	180	180

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	0
	Budgetary allocation (O & M cost) :	0
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Entire Proposed Project site is Reclaimed, SWD is proposed
	Quantity of storm water:	details will be given in EIA report.
	Size of SWD:	details will be given in EIA report.
Sewage and Waste water	**Sewage generation in KLD:**	Sewage generated will be treated in STP
	STP technology:	MBBR
	Capacity of STP (CMD):	1
	Location & area of the STP:	within site
	Budgetary allocation (Capital cost):	details will be given in EIA report.
	Budgetary allocation (O & M cost):	details will be given in EIA report.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dredge material (1,28,327 m3) and earth material from borrow pits (2,72,355 m3)
	Disposal of the construction waste debris:	Entire harbor (land side) area of 16.60 ha will be reclaimed by above mentioned Dredge material & earth materials
Waste generation in the operation Phase:	**Dry waste:**	Municipal Waste generated at site mainly from cut parts of fishes and canteen. About 1.2 TPD
	Wet waste:	Surface run-off, waste water from engineering units will be treated in ETP
	Hazardous waste:	ETP/ STP Sludge (0.20 Cum/day), Bilge oil & Ballast water- 5000 lit
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	--
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To authorized disposal facility
	Wet waste:	To authorized disposal facility
	Hazardous waste:	To authorized disposal facility
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Sludge will be given to authorized disposal facility
	Others if any:	Nil
Area requirement:	**Location(s):**	No
	Area for the storage of waste & other material:	Nil
	Area for machinery:	Nil
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Nil
	O & M cost:	Nil

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	8-9	6.6-8	6.5-8
2	COD	mg/l	300- 400	< 250	250
3	BOD	mg/l	100- 150	< 30	30
4	Oil & Grease	mg/l	50	< 10	10

Amount of effluent generation (CMD):	Surface run-off, waste water from engineering units will be treated in ETP
Capacity of the ETP:	0.1 MLD
Amount of treated effluent recycled :	As per requirement
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	--
Note on ETP technology to be used	Details given in EIA report
Disposal of the ETP sludge	To Authorized Disposal Facility

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP/ STP Sludge	35.3	cum/ day	0	0.20 Cum/day	0.20 Cum/day	disposal to CHWTSDF facility
2	Bilge oil & Ballast water	3.1 & 3.4	Lit	0	5000	5000	sale to authorized parties

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	63 KVA	5 lit/ hr	1	as per norms	as per norms	as per norms

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	5 lit/ hr	5 lit/ hr
41.Source of Fuel		from nearby source		
42.Mode of Transportation of fuel to site		by road		

43.Green Belt Development	**Total RG area :**	as per rule
	No of trees to be cut :	Nil
	Number of trees to be planted :	as per green belt development
	List of proposed native trees :	details will be given in EIA report.
	Timeline for completion of plantation :	as per project development schedule

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL Sub Station
	During Construction Phase: (Demand Load)	demand will be fulfilled from MSEDCL substation
	DG set as Power back-up during construction phase	63 KVA
	During Operation phase (Connected load):	1.2 MW
	During Operation phase (Demand load):	1.2 MW
	Transformer:	--
	DG set as Power back-up during operation phase:	63 KVA
	Fuel used:	Diesel: 5 lit/ hr
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

Solar Lighting, Solar panels installation

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Lighting, LED	details will be given in EIA report

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	--	ETP, STP
Hazardous waste	--	to authorized disposal facility

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environment management plan	ETP, Solar lighting, Green belt development	Approx. Rs. 2.5 cr	Rs. 25 Lakhs

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Diesel	proposed	within site	100 KL	100 KL	100 KL	from nearby source	by road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	--
	Number and area of podia:	--
	Total Parking area:	Parking area- Approx 4000 sq.m within site
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	7 m
	CRZ/ RRZ clearance obtain, if any:	CRZ Clearance to be obtained
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Turtle nesting sites: Kunkeshwar – 5 km towards South & Tambaldeg – 9 km towards South
	Category as per schedule of EIA Notification sheet	Schedule 7(e) category (B) as per EIA notification of September 2006; Clause 3(i)(a), 3(iv)(a) & 4(i)(f) as per CRZ Notification of January 2011
	Court cases pending if any	No such court cases
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-04-2019

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

PP proposes to develop fishing harbour to provide infrastructural post harvesting facility to the fishermen.

PP earlier obtianed Environmental Clearance under CRZ Notification 1991 from MoEF&CC dated 21.02.2017.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

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 Public Consultation.

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

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

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

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

Specific Conditions by SEAC:

1) PP to obtain CRZ clearance before submission of EIA/EMP report. PP to include details of all the facilities to be created on the site for proposed development in the consolidated statement and ensure to obtain CRZ clearance to all proposed facilities.
2) PP to submit point wise compliance of earlier Environmental Clearance granted by MoEF&CC on 21.02.2007
3) PP to include a map of appropriate scale showing distance of various sites from the proposed project area such as, village, salt pans, mangrove areas, migratory corridors of birds, National Parks/ Sanctuaries/Bio Sphere reserves, sand dune area etc. PP to include this information in the EIA report in tabular form with exact aerial distance with specific remarks.
4) PP to include details of all the facilities to be created on the site for proposed development in the consolidated statement and ensure to obtain CRZ clearance to all proposed facilities.
6) Layout showing peripheral green belt, separate entry/exit gates, parking areas, utility areas, markets, location of all pollution control equipment's , storm water drains along with calculations ,rain water harvesting etc.
7) During construction phase, solid waste such as packaging wastes, nylon nets, construction waste and food wastes are expected to be generated. PP to include detailed information on the generation of solid waste, their handling, storage and disposal arrangement along with necessary permissions/NOC etc.
8) PP to ensure construction of all proposed structures and facilities as per guidelines for sesmic design of marine structure.
9) PP to include details of hazardous waste expected to generated during construction and operation phase along with its management as per Hazardous and Other Waste (Management & Trans boundary Movement) Rules, 2016.
10) PP to submit copies of approval obtained from various Competent Authorities for the proposed project.
11) PP to include in the EIA report information about distance of proposed area from the Low tide, Authenticated details on High tide height considering the flow from river joining to the sea along with duration of high tide to ensure flooding impacts and mitigation measures.
12) PP to include in the EIA report information about details of the activities to be undertaken and their impact on marine ecosystem and mitigation measures proposed in this regard.
13) PP to include in the EIA report information about source of water supply with adequacy of the same to meet with the requirements for the project. Copies of permission obtained from the concern Competent Authority shall be submitted.
14) PP to include in the EIA report information about detailed water balance including reuse and recycle.
15) PP to include in the EIA report information about exact scope of the off-shore/water front facilities out of various options.
16) PP to include in the EIA report information about detailed study on the shore protection works.
17) PP to include in the EIA report information about measures to prevent further deterioration of the estuarine river water quality and coastal ecology due to the proposed project.
18) PP to include in the EIA report information about details regarding blockages of creek if envisaged in the proposed project and if so, remedial measures, impact on the natural drainage system if any. It shall be ensured that free flow of water from the catchment area is not hampered due to the proposed project.
19) PP to carry out Hydro-dynamics of estuary/creek from shoreline erosion perspective. The Hydro dynamic studies shall be undertaken for assessing whether the proposed activities shall have any significant impact to the shore line abutting the project as well as significant impact on the ecologically sensitive areas along the stretch. Details of the measures to be taken to ensure that there will be no adverse impact on the drainage of the area.
20) PP to include in the EIA report information about details of the existing sea traffic and proposed traffic after completion of the project. Mitigation measures required if any to ensure safe and hurdle free traffic movement.
21) PP to include in the EIA report information about impact of the construction/operation activities on noise and vibrations due to construction equipment, proposed increase in the numbers of boats, sea vehicles etc. and mitigation measures for the same.
22) PP to carry out risk assessment including effect of proposed activity of occupational health of the people working in the area and proposed mitigation measures to reduce the impact.
23) PP to include in the EIA report information about details of the use of lead free paints in the proposed project. PP t submit undertaking in this regard.
24) PP to include in the EIA report information about the details with respect to the number of fishermen living and /or fishing within the study area along with the exact distance of their habitation from the proposed facilities. Details of fish production in the region in last five years as per the records of fisheries department. Impact of the proposed activities on the fishery in the region. How, it would be ensured that fishing area will not be affected due to the proposed project activities.
25) PP to include in the EIA report information about anticipated environmental impacts due to the proposed project be evaluated for significance and based on corresponding likely impacts Valued Environmental Components (VEC's) be identified. Baseline studies be conducted within the study area of 10 km for all the concerned/identified VEC's and likely impact will have to be assessed for their magnitude in order to identify mitigation measures.
26) PP to include in the EIA report information about baseline ambient air quality data (except monsoon) to be given along with the dates of the monitoring. The parameters to be covered shall be in accordance with the revised National Ambient Air Quality Standards as well as project specific parameters. Location of the monitoring stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors. There should be at least one monitoring station in the upwind direction and at least one monitoring station shall be in the pre-dominant downwind direction at a location where maximum ground level concentration is likely to occur.
27) PP to include in the EIA report information about baseline status of the flora, fauna and marine biodiversity including that of phytoplankton and zooplankton in the study area shall be elaborated. Impact of the proposed activities on the marine biodiversity shall be elaborated. In case of existence of any scheduled fauna, conservation plan should be provided.
28) Actual field survey shall be carried out for ascertaining base line status of coastal and marine flora, fauna including that of phytoplankton and zooplankton. Impacts of the proposed activities on the marine flora and fauna especially on endangered and rare species be elaborated of any.
29) Specific details of the utilities required, type and quantity of the fuel used for each utility, flue gas emission rate from each utility, Air Pollution Control Measures proposed in each utility along with its adequacy and efficiency, list of sources of the air emissions along with its quantification and proposed measures to control it etc. shall be included in the EIA report.
30) PP to include in the EIA report information about details of the generation of domestic sewage waste water with quantification, proposed measures to treat the waste water so as to meet the stranded requirement of the CPCB and its safe and scientific disposal within the site.
31) PP to include in the EIA report information about details of green belt development program including annual budget, types and number of trees to be planted, area under green belt development on the map.
32) PP to include in the EIA report information about a detailed EMP including the protection and mitigation measures for the impacts on human health and environment as well as detailed environmental monitoring plan with respect to various parameters, environmental management cell proposed for implementation and monitoring on EMP as well as person responsible for the same. The EMP should also include the concept of waste minimization, energy conservation, natural resource conservation, pollution control, socio economic issues, waste treatment and disposal etc. Plan to ensure that existing environmental condition is not deteriorated due to discharge of various solid, liquid, gaseous pollutants.
33) PP to explore the maximum use of new and renewable energy in the proposed project.
34) Traffic impact study including details of existing traffic density on the main road as well as secondary road in the vicinity, prediction of impact of additional traffic from the project on these roads along with the carrying capacity of existing roads.
36) Details of monitoring / supervision cell to monitor environmental aspects during construction and operational phase. Appointment of construction safety officer during the construction phase.
37) PP to include in the EIA report information about details of dust suppression measures proposed during construction phase.
38) PP to include in the EIA report information about details of disaster management plan.
40) PP to include in the EIA report information about details of action plan showing list of socio economic upliftment activities based on socio economic profile of the surrounding villages and need based field assessment along with the fund allocation in the EMP.
41) PP to include coastal geo morphology in the EIA report.
42) Apart from the terrestrial EIA study, marine EIA study should be conducted in order to assess impacts of the proposed activities on the marine environment as well as fishery and according to the same, mitigation measures shall be planned.
43) PP to include all above points in the EIA /EMP report and submit final copy for appraisal.

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.

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Establishment of Pilot Plant for Synthetic Organic Chemicals (Specialty chemicals and API and its formulation) by Aarti Industries Limited at Plot No. A-94/1 & A-94/1/1, Khairane MIDC, TTC Industrial Area, Thane

Is a Violation Case: No

1.Name of Project	Establishment of Pilot Plant for Synthetic Organic Chemicals (Specialty chemicals and API and its formulation) by Aarti Industries Limited at Plot No. A-94/1 & A-94/1/1, Khairane MIDC, TTC Industrial Area, Thane
2.Type of institution	Private
3.Name of Project Proponent	Aarti Industries Limited
4.Name of Consultant	Aditya Environmental Services Pvt Ltd
5.Type of project	Industrial Project, Category 5 (f)- B as per EIA notification 2006
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. A-94/1 & A-94/1/1, Khairane MIDC, TTC Industrial Area, Thane
9.Taluka	Thane
10.Village	Kopar khairane
Correspondence Name:	Premnath R
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Whether in Corporation / Municipal / other area	Khairane MIDC, TTC Industrial area
12.IOD/IOA/Concession/Plan Approval Number	Plot allotment from MIDC
	IOD/IOA/Concession/Plan Approval Number: Plot allotment from MIDC
	Approved Built-up Area: 4129.35
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plot allotment from MIDC
15.Total Plot Area (sq. m.)	6576 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.): 4080.92
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1.5
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 07-02-2019
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	278000000

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)	Min 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	--
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	Pilot Plant for synthetic organic chemicals (e.g. Specialty chemicals API and its formulations)	0	5	5

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	98 cmd
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	98 cmd
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	20	20	0	5	5	0	15	15
Industrial Process	0	15	15	0	2	2	0	13	13
Cooling tower & thermopack	0	52	52	0	45	45	0	7	7
Gardening	0	11	11	0	11	11	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 to 5 m bgl and 5 to 10 mbgl
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	15 cmd
	STP technology:	Biological STP
	Capacity of STP (CMD):	15 cmd
	Location & area of the STP:	within plot
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of debris/ Demolition waste
	Disposal of the construction waste debris:	Debris/ Demolition waste will be reused for leveling of plot
Waste generation in the operation Phase:	**Dry waste:**	Glass waste- 0.5 TPM, Paper Waste- 0.05 TPM, Cotton waste- 0.05 TPM, E-waste- 2 TPM
	Wet waste:	--
	Hazardous waste:	ETP Waste, Process residue & waste Residue, 30% HCl, Used oil, Spent Carbon and filter medium, Spent Acid, CaCl2 Solution, Empty barrels/ Carboys/ containers / Empty glass bottles/ liners contaminated with hazardous chemicals / waste, Spent Catalyst, Spent Solvent, Inorganic Salt, Off specification products
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	Yes.
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	Sale to MoEFCC/ SPCB authorized recyclers / party
	Wet waste:	--
	Hazardous waste:	CHWTSDF/ Sale to authorized Re processor
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	Will be used onsite as manure
	Others if any:	--
Area requirement:	**Location(s):**	Within plot
	Area for the storage of waste & other material:	Will be detailed in EIA
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	--
	O & M cost:	Rs. 4 Lakhs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5.5- 9	6.5 to 9	6.5 to 9
2	Oil and grease	mg/lit	15	< 10	< 10
3	BOD	mg/lit	1000	< 100	< 100
4	TSS	mg/lit	300	< 100	< 100
5	COD	mg/lit	2500	< 250	< 250
6	TDS	mg/lit	4000	< 2100	< 2100

Amount of effluent generation (CMD):	20 cmd
Capacity of the ETP:	20 cmd
Amount of treated effluent recycled :	Nil
Amount of water send to the CETP:	20 cmd
Membership of CETP (if require):	CETP membership will be obtained
Note on ETP technology to be used	Primary, secondary and tertiary treatment
Disposal of the ETP sludge	ETP sludge will be sent to CHWTSDF for disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	35.3	TPM	--	1	1	CHWTSDF
2	Process residue & waste	28.1	TPM	--	1	1	CHWTSDF
3	Residue	28.1	TPM	--	1	1	CHWTSDF
4	30% HCl	26.3	TPM	--	1.5	1.5	Authorised reprocessor/recycler
5	Used oil	5.1	TPM	--	1	1	Authorised reprocessor/recycler
6	Spent Carbon and filter medium	36.2	TPM	--	1	1	CHWTSDF

7	Spent Acid	26.3	TPM	--	2	2	Authorised reprocessor/recycler
8	CaCl2 Solution	--	TPM	--	1	1	Authorised reprocessor/recycler
9	Empty barrels/ Carboys/ containers /Empty glass bottles / liners contaminated with hazardous chemicals/ waste	33.1	Nos/ month	--	1000	1000	Authorised reprocessor/recycler
10	Spent Catalyst	26.5	TPM	--	0.5	0.5	Authorised reprocessor/recycler
11	Spent Solvent	20.2	TPM	--	1	1	CHWTSDF/Authorized reprocessor
12	Inorganic Salt	B15	TPM	--	1	1	CHWTSDF
13	Off specification products	28.4	TPM	--	1	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	Boiler (1 TPH steam)	Furnace oil- 1600 kg/day OR Natural Gas- 1700 Nm3/ Day	1	30	As per std	As per std
2	DG set (750 KVA)	HSD- 225 Lit/Hr	2	5.5 above roof	As per std	As per std
3	DG set (750 KVA)	HSD- 225 Lit/Hr	3	5.5 above roof	As per std	As per std
4	Acidic gases vent	--	4	11	As per std	As per std
5	Alkaline gases vent	--	5	11	As per std	As per std

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	--	1600 kg/ day	1600 kg/ day
2	Natural gas	--	1700 Nm3/ Day	1700 Nm3/ Day
3	HSD	--	450 Lit/ Hr	450 Lit/ Hr
41.Source of Fuel		From nearby source		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	Green belt: 2567 sq. m
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	~ 50 nos.
	List of proposed native trees :	--
	Timeline for completion of plantation :	As per project development

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	2000 KVA
	DG set as Power back-up during construction phase	2 DG sets (750 KVA each)
	During Operation phase (Connected load):	2000 KVA (proposed)
	During Operation phase (Demand load):	2000 KVA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	2 DG sets of 750 KVA each
	Fuel used:	HSD for DG sets
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air emissions	--	Stack height, Scrubbers for process emissions
Effluent generation	--	ETP, STP
Hazardous waste	--	CHWTSDF, Authorized reprocessors

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	From Utilities, Process and DG set	12	12
2	Environmental Monitoring	Environmental Monitoring	--	10
3	Water Pollution Control	ETP	100	12
4	Hazardous Waste and Solid waste management	Storage and Disposal of Hazardous waste and Non hazardous waste	--	4
5	Green Belt Development	Development and Maintenance of Green Belt	10	12
6	Occupational Health and Safety	PPE, Safety Tanning	105	12

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
Furnace oil	proposed	Within plot	3	2	2	Local	By road

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:	746 sq.m
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Min. 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B, Synthetic organic chemical manufacturing facility
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-02-2019

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 for their R&D and pilot sclae manufacturing as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 163rd meeting held on 15.03.2019.

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

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

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

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

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

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.

The additional ToR points given area as below,

1. PP to submit certificate of incorporation of the company, list of board of directors and memorandum of articles.

2. PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

3. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations.

4. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.

5. PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.

6. PP to carry out HAZOP and QRA and submit disaster management plan with repsect to the hazardous processess and handling of high potency drugs.

7. PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.

8. PP to submit hazardous chemical handling protocol

9. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

10. PP to prepare laboratory safety manual for all the labs propsoed in the project. PP to submit format of technology transfer document considering environmental and safety factors.

11. PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.

Noe , PP submitted their letter dated 04.04.2019 requesting to make changes in the point No. 5 of the ToR granted in 163rd meeting of SEAC-1.

The orginal condition in ToR reads as below,

"Project Proponent to include detailed water balance calculations along with design details of Zero Liquid Discharge Effluent Treatment Plant."

PP requested to change the above condition as under,

"Project Proponent to include detailed water balance calculations along with design details of Effluent Treatment Plant."

PP in their letter mentioned that, the total waste water generation is ,

i) Doemstic Sewage - 15 CMD

ii) Trade effluent - 20 CMD

PP proposes to provide Sewage Treatment Plant for the doemssstic sewage. The treated sewage will be reused for gardining/ green belt maintenance.

Whereas the treade effleunt will be treated in Primary, Secondary and Tertiary eflfeunt treatment plant follwoed by disinfection and will be discherged to the Thane Belapur CETP.

PP also mentioned that, it is not practical , feasible and viable to set up Zero Liquid Discharge effleunt treatment plant for such as samll establishment which consits of pilot plant and R&D facility.

DECISION OF SEAC

PP remained absent.

Hence, deferred

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of board of directors and memorandum of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations.
4) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.
6) PP to carry out HAZOP and QRA and submit disaster management plan with repsect to the hazardous processess and handling of high potency drugs.
7) PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.
8) PP to submit hazardous chemical handling protocol
9) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.
10) PP to prepare laboratory safety manual for all the labs propsoed in the project. PP to submit format of technology transfer document considering environmental and safety factors.
11) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.

FINAL RECOMMENDATION

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

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Environmental Clearance for proposed expansion project of Aims Impex Pvt. Ltd. for production capacity enhancement and introduction of new products.

Is a Violation Case: No

1.Name of Project	M/s Aims Impex Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Suresan Kodakkal Puthiyaveetil
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Flavour and fragrance ingredients manufacturing industry, Schedule 5 (f), Category - B1 under EIA Notification 2006.
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No.
8.Location of the project	Plot No : 948/2, Sinnar Taluka Industrial Cooperative Estate (STICE), Musalgoan, Tal : Sinnar & Dist : Nashik, Maharashtra, India. PIN: 422112
9.Taluka	Sinnar
10.Village	(STICE), Musalgaon.
Correspondence Name:	Mr. Suresan Kodakkal Puthiyaveetil
Room Number:	1004
Floor:	10th Floor
Building Name:	'B' Wing, Peninsula Tower
Road/Street Name:	G.K.Marg
Locality:	Lower Parel
City:	Mumbai – 400 013.
11.Whether in Corporation / Municipal / other area	STICE Industrial Area.
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 3510
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.)	28300
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 10391
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: 23-03-2018
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	750000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Width of the road from the nearest fire station is 6 meters wide.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius of 9 meters is provided within the plot premises.
29.Existing structure (s) if any	Admin block, ware houses, office, manufacturing plant-1, manufacturing plant-2, F.G. Stores, ETP, cooling tower, boiler house, fuel storage area, maintenance room, D.G. room, Canteen, changing room, F.G. warehouse, etc are present on project plot.
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	Coumarin	30	220	250
2	Salicylaldehyde	30	220	250
3	Cyclocitral and other speciality flavour , fragrance ingredients.	-	42	42

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):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	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):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	5	10	15	1	2	3	4	8	12
Industrial Process	6	32	38	5.62	0.68	6.3	0.38	31.32	31.7
Cooling tower & thermopack	15	158	173	8.98 (condensate 5.9)	147.12	162	0.12	10.88	11
Gardening	4	12	16	4	12	16	-	-	-

Fresh water requirement	30	212	242	19.6 (Condensate 5.9)	161.8	187.3	4.5	50.2	54.7

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Average premonsoon water level of Sinnar is 18.36 mbgl
	Size and no of RWH tank(s) and Quantity:	The rain water collected from roof top will be connected to the RWH tank of capacity 20 CMD. Excess water will be connected to UG tank .
	Location of the RWH tank(s):	Next to UG Tank.
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1,00,000
	Budgetary allocation (O & M cost) :	5,000
	Details of UGT tanks if any :	Details of UGT Tanks if any: (Details of fire fighting water storage tank) Fire Fighting tank of 100 CMD capacity & U. G. Tank of 50 CMD x 2 nos. – 100 CMD
35.Storm water drainage	**Natural water drainage pattern:**	Slope within plot area is towards east direction.
	Quantity of storm water:	2,547 m3/hr.
	Size of SWD:	The SWD having dimension of 0.6 m width X 0.6m depth X 813 m length along the plant boundary.
Sewage and Waste water	**Sewage generation in KLD:**	12.0 KLD
	STP technology:	Sewage waste water will be treated in the aeration tank of the effluent treatment plant.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris will be generated after construction of proposed structures.
	Disposal of the construction waste debris:	It will be used within the plant premises for levelling purposes and the metal scrap will be sold to authorised vendors.
Waste generation in the operation Phase:	**Dry waste:**	M.S Scrap - 10.0 MT/A, Wooden Palate - 1000 Nos/A, Paper Waste - 100 Kg/M, Battery Waste - 5 Kg/A, E-Waste - 5 Kg/A.
	Wet waste:	NA
	Hazardous waste:	Residue & Waste - 67 MT/M, Discarded Container/Barrels/Liners - 1000 nos./M, ETP Sludge - 19.2 MT/A, MEE Residue/salts - 300 MT/M, Spent oil - 1.0 MT/M, Distillation Residue - 71.3 MT/M, Spent Methanol and other solvents - 50 MT/M, Recovered acetic acid - 275.10 MT/M, Magnesium Sulphate / Chloride as salt or as aqueous solution (Equivalent to Anhydrous salt) – 175 MT/M, Methyl formate Pure or as methanol solution. – 75 MT/M, Dilute H2SO4 - 542 MT/M.
	Biomedical waste (If	

Mode of Disposal of waste:	**Dry waste:**	Sold to authorised vendors
	Wet waste:	NA
	Hazardous waste:	The recyclable wastes like Discarded Container/Barrels/ Liners, spent oil, spent solvents, will be sold to approved recyclers, other hazardous waste will be sent to CHWTSDF, Ranjangaon for disposal.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Dedicated Hazardous Waste storage area of 40 sq. m. will be provided near ETP Area.
	Area for the storage of waste & other material:	Dedicated Hazardous Waste storage area of 40 sq. m. will be provided
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5 lakhs
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4.6	7.5	5.5-9
2	TDS	mg/l	45000	15.2	2100
3	BOD	mg/l	17450	6.7	250
4	COD	mg/l	28000	24	30
5	O & G	mg/l	7.8	BDL	10

Amount of effluent generation (CMD):	54.7
Capacity of the ETP:	60 CMD
Amount of treated effluent recycled :	The treated effluent will be entirely reused for cooling tower – makeup. It is a ZLD project.
Amount of water send to the CETP:	Nil. Company will operate as a ZLD unit.
Membership of CETP (if require):	Not Applicable. Company will operate as a ZLD Unit.
Note on ETP technology to be used	Industry will operate as a ZLD unit. • Company proposes to install ETP of 60 CMD capacity for treating additional effluent load. • Effluent streams will be segregated as High TDS, High COD and low conc. Streams depending on their characteristics will be treated separately. • The high TDS effluent will be treated through an MEE followed by ATFD, the condensates along with low conc. effluent, utility blow downs will be sent to ETP and sewage will be treated in aeration tank of ETP. • The treate
Disposal of the ETP sludge	ETP sludge will be disposed off to CHWTSDF, Ranjangaon.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residue & Waste	28.1	MT/M	0.1	66.9	67	To CHWTSDF
2	Discarded Container/Barrels/ Liners	33.3	Nos/ Annum	200	800	1000	To authorized recyclers
3	ETP Sludge	34.3	MT/A	2.0	17.2	19.2	To CHWTSDF

4	MEE Residue/salts	37.3	MT/M	-	300	300	To CHWTSDF/ sold to authorized vendors
5	Spent oil	5.1	MT/M	-	1.0	1.0	To authorized recyclers
6	Distillation Residue	36.1	MT/M	-	71.3	71.3	To CHWTSDF/To Authorised recyclers
7	Spent Methanol and other solvents	28.6	MT/M	-	50	50	To authorized reprocessors
8	Recovered acetic acid	-	MT/M	37.5	237.6	275.10	Sold as by-product
9	Magnesium Sulphate / Chloride as salt or aqueous solution (equivalent to Anhydrous salt)	-	MT/M	-	175	175	Sold as by-product
10	Methyl Formate Pure or as methanol solution	-	MT/M	-	75	75	Sold as by-product
11	Dilute H2SO4	-	MT/M	-	542	542	Sold as by-product

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	(Existing) 2 MT/Hr steam boiler	Coal: 4.2 MT/D or 4.6 MT/D Briquette (for all the existing utilities)	1	30	0.8	140-160°C
2	(Existing) 4 lakh kcal Thermic Fluid Heater	Coal: 4.2 MT/D or 4.6 MT/D Briquette (for all the existing utilities)	1	30	0.8	140-160°C
3	(Existing) 10 lakh kcal Thermic Fluid Heater	Coal: 4.2 MT/D or 4.6 MT/D Briquette (for all the existing utilities)	1	30	0.8	140-160°C
4	(Existing) 225 kVA Diesel Generator	High Speed Diesel : 30 Kg/hr (40 L/Hr)	1	4	0.1	156°C
5	(Proposed) 6 MT/Hr steam boiler	Coal : 16 MT/D Or Briquette : 17.6 MT/D	1	32	1.2	140-160°C
6	(Proposed) 10 lakh kcal Thermic Fluid Heater	Coal : 07 MT/D Or Briquette : 7.8 MT/D	1	30	0.8	140-160°C
7	Scrubber	-	3	5m (above roof level)	0.2	30°C
8	(Proposed) 500 KVA Diesel Generator	High Speed Diesel : 75 Kg/Hr (100 L/Hr)	1	4.5 m above roof top level	0.4	160-180°C
9	(Proposed) 500 KVA Diesel Generator	High Speed Diesel : 75 Kg/Hr (100 L/Hr)	1	4.5 m above roof top level	0.4	160-180°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal/Briquette	4.2 MT/D/--	23 MT/D / 30 MT/D	27.2 MT/D / 30 MT/D

2	High speed diesel	30 Kg/Hr (40 L/Hr)	150 Kg/Hr (200 L/Hr)	180 Kg/Hr (240 L/Hr)
41.Source of Fuel		Coal : Local Supplier Briquette : Local Supplier High speed diesel: Local HP vendor		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	9339.0 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	1407 Nos.
	List of proposed native trees :	List of proposed trees is mentioned in the table below.
	Timeline for completion of plantation :	3 years after grant of environmental clearance

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	67	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	67	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltonia shcolaris	Saptaparni	67	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index
4	Macaranga peltata	Chandwar	67	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleichera oleosa	Kusum	67	A native deciduous trees of forest tracts of Sahyadri ranges
6	Microcos paniculata	Shirali	67	A native evergreen medium sized tree of forest tracts of Sahyadri ranges
7	Terminalia elliptica	Ain	67	A native evergreen tree of forest tracts of Sahyadri ranges
8	Terminalia paniculata	Kindal	67	A native deciduous tree of forest tracts of Sahyadri ranges
9	Terminalia bellirica	Baheda	67	A native deciduous tree of forest tracts of Sahyadri ranges
10	Cordia dichotoma	Shelu	67	A native deciduous tree of forest tracts of Sahyadri ranges attracting large number of insects
11	Helicteres isora	Murudsheng	67	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
12	Holoptelea integrifolia	Ainsadada	67	A native deciduous tree of forest tracts of Sahyadri ranges

13	Butea monosperma	Palash	67	A native brilliantly flowering tree abundantly visited by large number of birds
14	Oroxylum indicum	Tetu	67	A native ornamental tree
15	Erythrina suberosa	Pangara	67	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
16	Azadirachta indica	Kadulimb	67	A native evergreen tree capable of surviving in comparatively polluted environs
17	Dalbergia sissoo	Shisham	67	A native evergreen tree attracting large number of insects
18	Trema orientalis	Ghol	67	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index
19	Pongamia pinnata	Karanj	67	A native deciduous tree well suited to intense heat and sunlight and drought tolerant.
20	Neolamarckia cadamba	Kadamba	67	A native evergreen tree with tremendous blooms attracting large number of insects
21	Pterospermum acerifolium	Muchkund	67	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	63 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1725 KW
	During Operation phase (Demand load):	1475 KVA
	Transformer:	1725 KW
	DG set as Power back-up during operation phase:	1 x 225 KVA , 2 x 500 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	None

48.Energy saving by non-conventional method:

Solar power will be used for office building and street lights.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Street Lights	50 Nos
2	Roof top solar system for office building	1 nos

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Stack height of 30m each have been provided to existing boiler & 2 nos of thermopac having capacities 2 MT/Hr, 4 Lakh Kcal/Hr & 10 Lack kcal/Hr respectively to ensure effective dispersion of pollutants. 4m stack height for existing D. G set of 225 KVA capacity .	• Stack of 32m will be provided to the proposed boiler of capacity 6 MT/Hr • Stack of 30m will be provided to the proposed thermopac of capacity 10 Lakh Kcal/Hr • Stack of 5 m (above roof) will be provided to the proposed Alkaline scrubber • Stack of 4.5m (above roof top) each will be provided to the proposed 2 nos of D.G. set of capacity 500 KVA. • The existing boilers are provided with cyclone seperators, however the proposed steam boilers will be provided with multicyclone seperators followed
Water.	ETP of 1 CMD capacity comprising of Primary, Secondary and Tertiary Treatment.	The company will operate as a ZLD unit ETP of 60 CMD capacity will be provided
Noise	Acoustic enclosures have been provided to D.G Sets. Preventive maintenance of all the noise generating equipments is/will be done	Acoustic enclosures will be provided to the proposed D.G Sets. A thick green belt will be provided on the periphery of the plant premises.
Solid hazardous waste	The hazardous waste is stored in a separate demarcated area, the recyclables are sent to authorized vendors and the rest are sent to CHWTSDF for disposal	Existing pollution control systems are sufficient for the proposed expansion

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2500000
	O & M cost:	100000

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	Sprinkling of water in constructed area	0.5
2	Sewage	Provision of 2 Nos of Bio-tiolets	0.8
3	Safety	Purchase of PPE's	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	Installation of new stacks of 32m and 30m height to proposed boiler and Thermopack of capacity 6MT/Hr & 10 Lakh Kcal Respectively. Installation of stacks having 5m Height each (above roof top) for 3 nos of proposed scrubbers each.	36	4
2	Water	Up gradation of existing ETP to treat total load of 60 CMD effluent after expansion by installing ZLD System (MEE, ATFD, RO, ETP).	600	60
3	Noise	Providing acoustic enclosures and installation of shock absorbers & vibration absorbing pads	5	2
4	Occupational Health	Purchase of PPE's and health check ups	5	2
5	Green Belt	Development of green belt	5	3
6	Solid Waste	Purchase of solid waste storage bags, containers. Cost for disposal of waste to CHWTSDF, Ranjangaon.	5	300
7	Rain water harvesting	Provision of RWH system along with above ground collection tank of 20 CMD.	1	0.05

8	Environment Monitoring & Management	Quarterly Environment monitoring including Water and Carbon Foot Print Monitoring	-	5.3
9	Solar Installation	Provision of Solar Street lights and Solar energy for Office building.	20	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
Salicylaldehyde	Liquid	Enclosed shed	238	100	238	Import	Sea and Sea and Road
Acetic Anhydride	Liquid	Enclosed shed	331	200	331	Import	Sea and Road
Xylene	Liquid	Enclosed shed	4	10	4	Local	Road
Phenol	Liquid	Enclosed shed	248	100	248	Local	Road
HCL	Liquid	Enclosed shed	131	50	131	Local	Road
Sulphuric Acid	Liquid	Enclosed shed	226.21	50	226.21	Local	Road
Methanol	Liquid	Enclosed shed	11	10	11	Local	Road
Citral	Liquid	Enclosed shed	83.3	15	83.3	Local	Road
Cyclohexane	Liquid	Enclosed shed	5.9	2	5.9	Local	Road
Aniline oil	Liquid	Enclosed shed	44.6	15	44.6	Local	Road
Paraformaldehyde	Solid	Enclosed shed	277.8	100	277.8	Local	Road
Mg Turning	Solid	Enclosed shed	37.5	20	37.5	Local	Road
Sodium Bicarbonate (NaHCO3)	Solid	Enclosed shed	10.0	5	10.0	Local	Road
Soda Ash	Solid	Enclosed shed	1.79	1	1.79	Local	Road
Zinc Chloride	Solid	Enclosed shed	1.0	0.5	1.0	Local	Road
Sodium Acetate	Solid	Enclosed shed	2.0	0.5	2.0	Local	Road
Magnesium Sulphate	Solid	Enclosed shed	9.1	2	9.1	Local	Road
Magnesium Hydroxide (Mg(OH)2)	Solid	Enclosed shed	7.5	4	7.5	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	2830.0 sq. m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-10-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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 in the 158th (B) meeting of SEAC-1 held on 04.01.2019 where in ToR was grnated to the PP with following additional ToR points,

1. PP to ascertain and submit notification stating that existing plot is located in the Notified Industrial Estate/Park/Area. In absence of the credible documents regaridng notified Industrial Estate/Park/Area, PP to carry out Public Consultation as per procedure stipulated in the EIA Notification 2006 and submit complinace report of the issues raised during Public Consultation.

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

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

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

5. 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.

6. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.

7. PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

8. PP to submit strom water drain and rain water harvesting drawing superimposing contour levels on the layput.

9. PP to submit undertaking for not violating the requriements of EIA Notification, 2006.

10. PP to carry out life cycle analysis of the activities carried out on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc

11. 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.

12. PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.

13. PP to carry out HAZOP and QRA and submit disaster management plan.

14. PP to submit hazardous chemical handling protocol

15. PP to submit technical note on how propsoed expansion will be acocmodated in the exisitng faclity along with structural stability certificate of existing buildings.

16. PP to explore possiblity to optimize process and production technology to reduce generation of liquid/solid/gaseous wastes and include the same in the EIA reprot.

17. PP to include water and carbon foot print monitoring in the monitoring schedule and EMP.

18. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

Now PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit justification for the exemption of Public Hearing along with credible documents from the Competent Authority.
2) PP to use briquettes as a fuel to the boiler.
3) PP to submit an undertaking for not adding any equipment, machinery in the existing plant to achieve proposed expansion quantities of production.
4) As per standard ToR point. PP to obtain and submit point wise compliance of the consent condition from the Maharashtra Pollution Control Board.
5) PP to submit revised compliance of point No. 9 of the standard ToR point.
6) PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri

Is a Violation Case: No

1.Name of Project	Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri
2.Type of institution	Private
3.Name of Project Proponent	Excel Industries Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing EC letter SEAC-2010/CR.516/TC-2 dated 6th July 2011
8.Location of the project	Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri
9.Taluka	Khed
10.Village	Lote
Correspondence Name:	Ekanath Karekar
Room Number:	Plot No.D-9
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Whether in Corporation / Municipal / other area	MIDC Lote Parshuram
12.IOD/IOA/Concession/Plan Approval Number	MIDC Lote Parshuram
	IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval
	Approved Built-up Area: 31173.63
13.Note on the initiated work (If applicable)	Existing facility pertains to manufacturing of synthetic organic chemical.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	73303 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.):** --
	b) Non FSI area (sq. m.): --
	c) Total BUA area (sq. m.): 4890.30
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1
	Approved Non FSI area (sq. m.): --
	Date of Approval: 22-05-2019
19.Total ground coverage (m2)	21830.35
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.79
21.Estimated cost of the project	700000000

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	No residents
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Min 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	Existing facility is for manufacturing of synthetic organic chemical.
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	Sodium Penta Chloro Phenate and its Formulations	1800 TPA	700 TPA	2500 TPA
2	Hydroxy Ethylidene Di- Phosphonic Acid and its Formulations (Codex 661 and Formulation)	7200 TPA	27800 TPA	35000 TPA
3	Acetyl Chloride	3600 TPA	2900 TPA	6500 TPA
4	Sodium Salt of 5 Sulphono Isopathalic Dimethyl Ester (SIPM)	360 TPA	0 TPA	360 TPA
5	Amino Tri-methylene Phosphonic Acid and its formulations (ATMP)	1200 TPA	10800 TPA	12000 TPA
6	Codex-551	600 TPA	0 TPA	600 TPA
7	Dispercel -32 (Poly Maliec Acid)	252 TPA	0 TPA	252 TPA
8	THPE [1,1,1, Tris (4-Hydroxy Phenyl) Ethane]AND/OR DMBPC (Di-methyl Bis Phenol Cyclohexane (DMBPC) and its Derivatives	1025 TPA	475 TPA	1500 TPA
9	Lauracel	30 TPA	0 TPA	30 TPA
10	4 - Hydroxythiobenzamide FEBUXOSTAT T1	12 TPA	0 TPA	12 TPA
11	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T2	18 TPA	0 TPA	18 TPA
12	Ethyl 2-(3-formyl-4 hydroxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T3	15 TPA	105 TPA	120 TPA
13	Ethyl 2-(3-formyl-4 isobutoxyxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T4	14 TPA	0 TPA	14 TPA
14	Ethyl 2-(3-cyano-4 isobutoxyxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T-5 and / OR Ethyl 2-(3-cyno-4 Isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid Febuxostat	42 TPA	33 TPA	75 TPA
15	Ethyl 2-(3-cyno-4 Isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid FEBUXOSTAT T-6	0 TPA	25 TPA	25 TPA
16	5-(Bromomethyl)-4-(4-fluorophenyl)-6-(-1-methylethyl)-2-methyl (methylsulfonyl)amino pyrimidine Z 7 Br	48 TPA	0 TPA	48 TPA
17	Phosphonium,{[4-(4-flurophenyl)-6-(1-methylethyl)-2[methyl methylsulfonylamino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2	60 TPA	0 TPA	60 TPA
18	N- [4-(4- Flurophenyl) -5 formyl-6-(1-methylethyl)-2-pyrimidinyl]-N-methyl methane sulfonamide Z 7 Formyl	25 TPA	0 TPA	25 TPA
19	6-Hydroxy-3,4-dihydro-1H-quinoline-2-one 6 HQ	20 TPA	0 TPA	20 TPA

20	4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4-(hydroxydiphenylmethyl)-1-piperidinyl)—piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its intermediates	26 TPA	0 TPA	26 TPA
21	1,3; 2,4 –bis (3,4- dimethyl benzylidene) sorbitol Exclar	75 TPA	0 TPA	75 TPA
22	n- Octyl Phosphonic acid NOPA	75 TPA	0 TPA	75 TPA
23	Pregabelin ((S) -3-(aminomethyl)-5-methylhexanoic acid) and its intermidiates	20 TPA	0 TPA	20 TPA
24	Sitagliptine Phosphate, (3-(Trifluromethyl)-5,6,7,8 – tetrahydro-[1,2,4] triazolo [4,3-a] pyrazine hydrochloride)(intermediate)	20 TPA	0 TPA	20 TPA
25	4-[5-(4-Methylphenyl)-3-(trifluoromethyl pyrazol-1-yl] benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)	10 TPA	0 TPA	10 TPA
26	Benfotamine Phosphate	20 TPA	0 TPA	20 TPA
27	Celestistat	6 TPA	0 TPA	6 TPA
28	Silodosine	2 TPA	0 TPA	2 TPA
29	4- Acetoxy styrene (4-ACS)	0 TPA	100 TPA	100 TPA
30	Dibenzoyl Methane (DBM)	0 TPA	100 TPA	100 TPA
31	Phenyl Hydrazine	0 TPA	600 TPA	600 TPA
32	Phenyl Hydrazine Hydrochloride	0 TPA	500 TPA	500 TPA
33	4- chloro Phenyl Hydrazine	0 TPA	200 TPA	200 TPA
34	4 Hydroxy benzene sulphonomide hydrochloride (4-HBS)	0 TPA	500 TPA	500 TPA
35	3-[(S)-1-TERTBUTOXYCARBONYL- 4 -OXOPYRROLIDIN-2-YL CARBONYL] THIAZOLIDINE (OXO)	0 TPA	25 TPA	25 TPA
36	Teneligliptin Hydrobromide Hydrate (Teneligliptin)	0 TPA	40 TPA	40 TPA
37	PPZ-1-(3-Methyl-1-phenyl-1-pyrazol-5-yl) piperazine.	0 TPA	25 TPA	25 TPA
38	Solifenacin Base	0 TPA	3 TPA	3 TPA
39	Solifenacin Succinate	0 TPA	3 TPA	3 TPA
40	Sertaconozole	0 TPA	20 TPA	20 TPA
41	Nizatidine	0 TPA	25 TPA	25 TPA
42	(R)-9-[2(phosphonomethoxy) propyl] Adenine (PMPA)	75 TPA	0 TPA	75 TPA
43	Flurobenzene , its Derivatives and other fluorinated compounds	0 TPA	1000 TPA	1000 TPA
44	Phoponates and its Derivatives	0 TPA	500 TPA	500 TPA
45	Phosphates and derivatives	0 TPA	500 TPA	500 TPA
46	Phosphites and its derivatives	0 TPA	500 TPA	500 TPA
47	Hydrochloric acid	15000 TPA	60000 TPA	75000 TPA
48	R&D and Pilot for Industrial Chemicals and Intermidiates	0 TPA	60 TPA	60 TPA

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	848 cmd
	Recycled water - Flushing (CMD):	482 cmd
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1330 cmd
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	848 cmd
	Recycled water - Flushing (CMD):	482 cmd
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1330 cmd
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	66	20	86	3	2	5	63	18	81
Industrial Process	123	596	719	41	141	182	82	455	537
Cooling tower & thermopack	218	232	450	215	223	438	3	9	12
Gardening	50	25	75	50	25	75	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.42 m to 16.32 m bgl (post monsoon)
	Size and no of RWH tank(s) and Quantity:	RWH is directly connected to cooling tower basin
	Location of the RWH tank(s):	RWH is directly connected to cooling tower basin
	Quantity of recharge pits:	No
	Size of recharge pits :	No
	Budgetary allocation (Capital cost) :	--
	Budgetary allocation (O & M cost) :	--
	Details of UGT tanks if any :	--

35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	--
	Size of SWD:	600 mm x 1000 mm
Sewage and Waste water	**Sewage generation in KLD:**	81 cmd
	STP technology:	Not applicable. Sewage will be treated in combined ETP (At Aeration tank)
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of construction debris will be generate.
	Disposal of the construction waste debris:	Construction debris will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Used Bags: 450 Nos./A, Oil Tin: 650 Nos./A, Wooden pallets: 3000 Nos./A, Plastic/Polyvinyl Bags: 28200 Nos./A, M.S. Scrap: 150 TPA, Canteen Waste: 20 TPA. Paper Waste: 15 TPA, Boiler ash: 4200 TPA, Fly ash: 21 TPA
	Wet waste:	--
	Hazardous waste:	Filter and Filter Material containing organic chlorine compound, ETP Sludge from Primery Treatment, Sludge generated Spray Dryer, Spent organic catalyst, Distillation Residue, Distillation residue from R&D and Pilot Plant, Flue Gas Cleaning Residue(Boiler shoot, Spent in Exchange resins, Used/ Spent oil, Discarded Containers, Spent acid, Spent solvent
	Biomedical waste (If applicable):	Waste sharps: 20 kg/Month, Expired or Discarded Medicines: 10 kg/Month, Soiled Waste: 40 kg/Month
	STP Sludge (Dry sludge):	--
	Others if any:	E waste: 5 TPA
Mode of Disposal of waste:	**Dry waste:**	Non Hazardous waste will be sale to authorized dealer
	Wet waste:	--
	Hazardous waste:	hazardous waste will be disposed off as per Hazardous waste rule 2016.
	Biomedical waste (If applicable):	Biomedical waste will be disposed off as per norms.
	STP Sludge (Dry sludge):	--
	Others if any:	E waste will be disposed off to authorized dealer

Area requirement:	**Location(s):**	within plot
	Area for the storage of waste & other material:	within plot
	Area for machinery:	No
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25 Lakhs
	O & M cost:	Rs. 245 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4 to 6	6.5 to 9	< 6.5 to 9
2	Total Suspended solids	mg/L	400 to 500	100	< 100
3	Total Dissolved Solids	mg/L	8000 to 10000	2100	< 2100
4	Chemical Oxygen Demand	mg/L	8000 to 10000	250	< 250
5	Ammonical Nitrogen	mg/L	70 to 100	50	< 50

Amount of effluent generation (CMD):	630 cmd
Capacity of the ETP:	Existing ETP- 175 cmd, Proposed ETP- 500 cmd
Amount of treated effluent recycled :	482 cmd
Amount of water send to the CETP:	148 cmd (as per existing CTO)
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Untreated Effluent > Equalization > Neutralization > coagulation > Pri. clarifier > Aeration > Sec. clarifier > Pressure sand filter > Activated carbon filter > RO unit > RO permeate recycle > RO reject & High Load stream to MEE > MEE permeate to recycle
Disposal of the ETP sludge	To CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Filter and Filter Material containing organic chlorine compound	36.2	TPA	3	6	9	Landfill at CHWTSDF
2	Chemical sludge & oil & Grease skimming residue	35.3 & 35.4	TPA	200	12300	12500	Landfill at CHWTSDF
3	Spent organic catalyst	29.5	TPA	4	8	12	Incineration at CHWTSDF
4	Distillation Residue	20.3	TPA	300	600	900	Incineration at CHWTSDF
5	Process waste & residue	29.1	TPA	4	8	12	Incineration at CHWTSDF
6	Other Hazardous waste (Spent in Exchange resins)	35.2	TPA	0.12	0.24	0.36	Disposal at CHWTSDF
7	Used/ Spent oil	5.1	KLPA	2	4	6	Sale to Authorised Agency

8	Discarded Containers	33.1	Nos./A	12710	25420	38130	Sale to Authorised Agency
9	Spent Acid	26.3	TPA	1645	0	1645	Sale to Authorized party
10	Dil Methanol	28.6	TPA	450	0	450	Sale to Authorized party
11	Dilute Acetic Acid	26.3	TPA	1200	0	1200	Sale to Authorized party
12	Methanol	28.6	TPA	600	0	600	Sale to Authorized party
13	Sodium Sulphite 30%	26.3	TPA	936	0	936	Sale to Authorized party
14	Spent Ethyl Bromide	26.3	TPA	187.5	0	187.5	Sale to Authorized party
15	Spent Magnesium Acetate	26.3	TPA	75	0	75	Sale to Authorized party
16	Spent Sodium Bromide Solution	26.3	TPA	1424.5	0	1424.5	Sale to Authorized party
17	Dilute Thiophosphoric Acid	26.3	TPA	11.75	0	11.75	Sale to Authorized party
18	Dilute Methane Sulphonic Acid	26.3	TPA	195	0	195	Sale to Authorized party or CHWTSDF after treatment
19	Dilute Dimethyl Formamide	26.3	TPA	56	0	56	Sale to Authorized party
20	Dilute Bromide Solution	26.3	TPA	140	0	140	Sale to Authorized party
21	Formic Acid	26.3	TPA	96	0	96	Sale to Authorized party

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	6 TPH & 12 TPH Boiler (Existing)	Coal: 38 TPD	--	30	1.1	160
2	12 TPH Boiler (Proposed)	Coal: 48 TPD	--	Common stack ht. 49 m	Stack Dia. 1.2 m	160
3	12 TPH Boiler (Proposed)	Coal: 48 TPD	--	Common stack ht. 49 m	Stack Dia. 1.2 m	160
4	500 KVA DG set (Existing)	HSD: 75 kg/day	--	15	0.15	160
5	1010 KVA DG set (Existing)	HSD: 0.16 TPD	--	as per CPCB norms	as per norms	160
6	1250 KVA D.G. Set (Proposed)	HSD: 2500 Lit/Hr	--	Stack ht. 7.5 m above roof	as per norms	160
7	1250 KVA D.G. Set (Proposed)	HSD: 2500 Lit/Hr	--	Stack ht. 7.5 m above roof	as per norms	160

8	Spray Dryer (Existing)	Coal: 8.4 TPD	--	15	0.75	90
9	HCL Tail Gas Tower S-4	--	--	15	0.05	30 - 40
10	Acetyl Chloride Packing Scrubber S-5	--	--	10	0.05	30 - 40
11	Acetic Acid Scrubbing Stack S-6	--	--	12	0.05	30 - 40
12	PCL3 Scrubber Stack S-7	--	--	12	0.05	30 - 40
13	Acetyl Chloride Scrubber Stack S-8	--	--	12	0.05	30 - 40
14	Drum Dryer Stack S-9	--	--	25	0.45	30 - 40
15	Packing Area Stack S-10	--	--	25	0.45	30 - 40
16	Reactor (Neutralizer Stack) S-11	--	--	25	0.2	30 - 40
17	HCL Scrubber System Stack S-12	--	--	25	0.05	30 - 40
18	HCL Scrubber System Stack S-13	--	--	15	0.08	30 - 40
19	Common Vent Scrubber stack S-14	--	--	15	0.05	30 - 40
20	SO2 Scrubber System stack S-15	--	--	15	0.15	30 - 40
21	HCL Scrubbing System Stack S-16	--	--	15	0.1	30 - 40
22	SO2 Scrubbing System	--	--	Stack ht. 15 m	Stack Dia, 0.15 m	30 - 40
23	HCl Scrubbing System	--	--	Stack ht. 15 m	Stack Dia, 0.1 m	30 - 40
24	Acetic Acid Scrubbing	--	--	Stack ht. 12 m	Stack Dia, 0.05 m	30 - 40
25	PCl3 Scrubbing	--	--	Stack ht. 12 m	Stack Dia, 0.05 m	30 - 40
26	Acetyl Chloride	--	--	Stack ht. 12 m	Stack Dia, 0.05 m	30 - 40
27	HCl Scrubbing System	--	--	Stack ht. 15 m	Stack Dia, 0.1 m	30 - 40
28	Reactor Neutralizer, Biocel	--	--	Stack ht. 25 m	Stack Dia, 0.2 m	30 - 40
29	Common Vent Scrubber stack	--	--	Stack ht. 15 m	Stack Dia, 0.05 m	30 - 40
30	Common Vent Scrubber stack	--	--	Stack ht. 15 m	Stack Dia, 0.05 m	30 - 40

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	46.4 TPD	96 TPD	142.4 TPD
2	HSD	9.79 kg/ Hr	500 Lit/Hr	9.79 kg/ Hr & 500 Lit/ Hr
41.Source of Fuel		from nearby source		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	Green belt area: 25090.60 sq.m
	No of trees to be cut :	--
	Number of trees to be planted :	Approx. 2000 nos. of trees during proposed project
	List of proposed native trees :	--
	Timeline for completion of plantation :	As per project development

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	Cocos nucifera	Coconut	As per green belt area	Suitable for green belt
2	Bauhinia purpurea	Bahunia	As per green belt area	Suitable for green belt
3	Areca catechu	Areca	As per green belt area	Suitable for green belt
4	Hyophorbe lagenicaulis	Bottle Palm	As per green belt area	Suitable for green belt
5	Artocarpus heterophyllus	Jackfruit	As per green belt area	Suitable for green belt
6	Cinnamomum verum	Cinamonum	As per green belt area	Suitable for green belt
7	Garcinia indica	Garcinia / Kokam	As per green belt area	Suitable for green belt
8	Plumeria alba	Alpinia / Chaffa	As per green belt area	Suitable for green belt
9	Azadirachta indica	Neem	As per green belt area	Suitable for green belt
10	Terminalia catappa	Badam	As per green belt area	Suitable for green belt
11	Citrus aurantiifolia	Lime	As per green belt area	Suitable for green belt
12	Delonix regia	Gulmohar	As per green belt area	Suitable for green belt
13	Psidium guajava	Guava	As per green belt area	Suitable for green belt
14	Caryota urens	Surmad	As per green belt area	Suitable for green belt
15	Manilkara zapota	Sapota	As per green belt area	Suitable for green belt
16	Samanea saman	Raintree	As per green belt area	Suitable for green belt
17	Pongamia pinnata	Pongamia	As per green belt area	Suitable for green belt
18	Peltophorum pterocarpum	Peltophorum	As per green belt area	Suitable for green belt
19	Moringa oleifera	Drumstick	As per green belt area	Suitable for green belt
20	Leucaena leucocephala	Subabhul	As per green belt area	Suitable for green belt
21	Cassia fistula	Bahava	As per green belt area	Suitable for green belt
22	Syzygium cumini	Jambhul	As per green belt area	Suitable for green belt
23	Pterocarpus santalinus	Raktachandan	As per green belt area	Suitable for green belt
24	Morus alba	Mulberry	As per green belt area	Suitable for green belt
25	Neolamarckia cadamba	Kadamb / Niv	As per green belt area	Suitable for green belt
26	Bambusa vulgaris	Bamboo	As per green belt area	Suitable for green belt
27	Macrotyloma geocarpum	Tamini	As per green belt area	Suitable for green belt
28	Sesbania grandiflora	Agathi	As per green belt area	Suitable for green belt

29	Ficus religiosa	Ficus	As per green belt area	Suitable for green belt
30	Acacia nilotica	Acasia	As per green belt area	Suitable for green belt
31	Mangifera indica	Mango	As per green belt area	Suitable for green belt
32	Mimusops elengi	Bakul	As per green belt area	Suitable for green belt
33	Ficus benghalensis	Baniyan tree	As per green belt area	Suitable for green belt
34	Ficus racemosa	Umbar	As per green belt area	Suitable for green belt
35	Ficus religiosa	Pimpal	As per green belt area	Suitable for green belt
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	From MSEDCL
	During Construction Phase: (Demand Load)	1600 KVA
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	4800 KVA
	During Operation phase (Demand load):	4800 KVA
	Transformer:	6 MVA
	DG set as Power back-up during operation phase:	500 KVA, 1010 KVA & 2 nos. 1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

--

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution	Bag house, Cyclone separator, Wet scrubber	Bag house, Cyclone separator
Water pollution	ETP, RO, Spray dryer	ETP, RO, MEE

Noise pollution	Acoustic enclosure, Silencers, PPE	Acoustic enclosure, Silencers, PPE
Hazardous waste	Disposal to CHWTSDF, Authorized recycler	Disposal to CHWTSDF, Authorized recycler

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	From Utilities, Process	100	10
2	Environmental Monitoring	Regular Monitoring	0	5
3	Water Pollution Control	ETP, RO, MEE	1250	400
4	Hazardous Waste and Solid waste management	Storage and Disposal of Hazardous waste and Non hazardous waste	245	2.5
5	Green Belt Development	Development and Maintanance of Green Belt	25	2.5
6	Green Initiative	Solar power installation	25	2.5
7	Occupational Health and Safety	PPE, Safety Tranning	25	20
8	Social Welfare and Upliftment	CER Budget	70	--

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
Methanol	Existing & Proposed	Within plot	69 KL, 24 KL	69 KL, 24 KL	refer PFR	from nearby source	By road
Ethanol	Existing & Proposed	Within plot	2 nos. of 16 KL	2 nos. of 16 KL	refer PFR	from nearby source	By road
Toluene	Existing & Proposed	Within plot	2 nos. of 15 KL	2 nos. of 15 KL	refer PFR	from nearby source	By road

Acetic Acid	Existing & Proposed	Within plot	100 KL, 50 KL	100 KL, 50 KL	refer PFR	from nearby source	By road
Caustic Lye	Existing & Proposed	Within plot	2 nos. of 35 KL	2 nos. of 35 KL	refer PFR	from nearby source	By road
Ethyl Acetate Storage Tank	Existing & Proposed	Within plot	20 KL, 30 Kl	20 KL, 30 Kl	refer PFR	from nearby source	By road
Phosphorus Trichloride	Existing & Proposed	Within plot	2 nos. of 80 KL	2 nos. of 80 KL	refer PFR	from nearby source	By road
Codex 661	Existing & Proposed	Within plot	120 KL, 80 KL	120 KL, 80 KL	refer PFR	from nearby source	By road
Codex 8503/ Codex 4503/ Codex 5323	Existing & Proposed	Within plot	40 KL, 160 KL	40 KL, 160 KL	refer PFR	from nearby source	By road
Formaldehyde	Existing & Proposed	Within plot	2 nos. of 30 KL	2 nos. of 30 KL	refer PFR	from nearby source	By road
Phenol	Existing	Within plot	78 KL	78 KL	refer PFR	from nearby source	By road
HCl	Existing & Proposed	Within plot	210 Kl, 190 KL	210 KL, 190 KL	refer PFR	from nearby source	By road
Biocel Solution	Existing	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road
Biocel 90	Existing & Proposed	Within plot	2 nos. of 10 KL	2 nos. of 10 KL	refer PFR	from nearby source	By road
Aniline	Proposed	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road
Methane Sulphonic Acid	Proposed	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	--
	Number and area of podia:	--
	Total Parking area:	9144.79 sq.m
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	Minimum 6 m internal road
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B Synthetic organic chemical manufacturing facility
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-03-2018

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
18 (a). Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable	4346.4 m2
21Estimated cost of the project (Rs)	1250000000	700000000
31 Production details	4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4- (hydroxydiphenylmethyl)-1-piperidinyl)—piperidinyl]butyl]-benzeneacetic acis hydrochloride (Fexofenadine Hydrochloride) and its derivatives	4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4-(hydroxydiphenylmethyl)-1-piperidinyl)—piperidinyl]butyl]-benzeneacetic acis hydrochloride (Fexofenadine Hydrochloride) and its derivatives 4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4-(hydroxydiphenylmethyl)-1-piperidinyl)—piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its intermediates
31 Production details	Phosphonium,{[4-(4-flurophenyl)-6-(1-methylethyl)-2[methyl methylsulfonylOamino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2	Phosphonium,{[4-(4-flurophenyl)-6-(1-methylethyl)-2[methyl methylsulfonylamino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2
31 Production details	4-[5-(4-Methylphenyl)3-3-(trifluoromethyl pyrazol-1-yl] benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)	4-[5-(4-Methylphenyl)-3-(trifluoromethyl pyrazol-1-yl] benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)

31 Production details	R&D and Pilot for Industrial Chemicals and Intermediates	R & D and Pilot for Industrial Chemicals, Intermediates & Pharmaceuticals
32. Total water requirement	Fresh water (CMD): Not applicable	Fresh water (CMD): 848
32. Total water requirement	Recycled water- Flushing (CMD): Not applicable	Recycled water- Flushing (CMD): Total water recycle- 482
34. Rain water harvesting details	Level of ground water table ---	Level of ground water table- 1.42 m to 16.32 m bgl (post monsoon)
34. Rain water harvesting details	Size & no. of RWH tanks and Quantity: --	Size & no. of RWH tanks and Quantity: RWH is directly connected to cooling tower basin.
35 Storm water drainage	Size of SWD: --	Size of SWD: 600 mm x 1000 mm
37 Solid waste management	Fly ash: 21 kg/A	Fly ash: 21 TPA
38 Effluent Characteristics	Capacity of the ETP: 100 cmd	Capacity of the ETP: Existing ETP- 175 cmd, Proposed ETP- 500 cmd
38 Effluent Characteristics	Amount of treated effluent recycled: --	Amount of treated effluent recycled: 482 cmd
38 Effluent Characteristics	Amount of water send to the CETP: 630 cmd	Amount of water send to the CETP: 148 cmd (as per existing CTO
39. Hazardous waste details	35.3 ETP sludge from Primary treatment & salt generated from spray dryer	35.3 Chemical sludge 35.4 Oil & Grease skimming residue
39. Hazardous waste details	28.2 Spent organic catalyst	29.5 Spent organic catalyst
39. Hazardous waste details	28.1 Distillation Residue	20.3 Distillation Residue
39. Hazardous waste details	28.1 Distillation residue from R & D and pilot plant	29.1 Process waste and residue
39. Hazardous waste details	35.1 Flue Gas cleaning residue (Boiler soot)	Not applicable
39. Hazardous waste details	35.2 Spent in exchange resin	35.2 Other Hz waste (Spent ion exchange resin)
40. Stack emission details	2 & 3. 12 TPH Boiler (Proposed)- As per CPCB norms	2 & 3. 12 TPH Boiler (Proposed)- Common stack ht. 49 m, Stack Dia. 1.2 m
40. Stack emission details	5. 1010 KVA DG set (Proposed)- HSD- 2050 Lit/ Hr	5. 1010 KVA DG set (Existing)- HSD- 0.16 TPD
40. Stack emission details	6. 1250 KVA DG set (Proposed)- HSD- 2500 Lit/ Hr	6. 1250 KVA DG set (Proposed)- HSD- 250 Lit/ Hr, Stack ht. 7.5 m above roof
40. Stack emission details	7. 1250 KVA DG set (Proposed)- HSD- 2500 Lit/ Hr	7. 1250 KVA DG set (Proposed)- HSD- 250 Lit/ Hr, Stack ht. 7.5 m above roof
40. Stack emission details	22. Common Vent Scrubber stack- As per statutory requirement	22. SO2 Scrubbing System- Stack ht. 15 m, Stack Dia, 0.15 m
40. Stack emission details	23. Common Vent Scrubber stack- As per statutory requirement	23. HCl Scrubbing System- Stack ht. 15 m, Stack Dia, 0.1 m
40. Stack emission details	24. Common Vent Scrubber stack- As per statutory requirement	24. Acetic Acid Scrubbing- Stack ht. 12 m, Stack Dia, 0.05 m
40. Stack emission details	25. Common Vent Scrubber stack- As per statutory requirement	25. PCl3 Scrubbing- Stack ht. 12 m, Stack Dia, 0.05 m
40. Stack emission details	26. Common Vent Scrubber stack- As per statutory requirement	26. Acetyl Chloride- Stack ht. 12 m, Stack Dia, 0.05 m
40. Stack emission details	27. Common Vent Scrubber stack- As per statutory requirement	27. HCl Scrubbing System - Stack ht. 15 m, Stack Dia, 0.1 m
40. Stack emission details	28. Common Vent Scrubber stack- As per statutory requirement	28. Reactor Neutralizer, Biocel- Stack ht. 25 m, Stack Dia, 0.2 m
40. Stack emission details	29. Common Vent Scrubber stack- As per statutory requirement	29. Common Vent Scrubber stack - Stack ht. 15 m, Stack Dia, 0.05 m
40. Stack emission details	30. Common Vent Scrubber stack- As per statutory requirement	30. Common Vent Scrubber stack - Stack ht. 15 m, Stack Dia, 0.05 m
41. Details of Fuel used	2. HSD- Existing- 4 Lit/ Hr	2. HSD- Existing- 9.79 Kg / Hr
41. Details of Fuel used	2. HSD- Proposed- 7050 Lit/ Ht	2. HSD- Proposed- 500 Lit/ Ht (at rated capacity)
44. Green belt development	Total RG area: Green belt area- 25106 sq.m	Total RG area: Green belt area- 24200.02 sq.m
51. Details of Pollution control system	Water pollution- Existing system- ETP, RO, Spray dryer	Water pollution- Proposed system- ETP, RO, MEE
52. Environment Management Plan B. Operation phase	Air Pollution Control (From Utilities, Process, DG set)	Air Pollution Control (From Utilities, Process)-
52. Environment Management Plan B. Operation phase	Water Pollution Control (ETP, RO, Spray Dryer), Capital cost- Rs. 1000 lakhs, O & M cost: Rs. 100 Lakhs per Yr	Water Pollution Control (ETP, RO, MEE), Capital cost- Rs. 1250 lakhs, O & M cost: Rs. 400 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Hazardous waste & Solid Waste management, O & M cost: Rs. 2.5 Lakhs per Yr	Hazardous waste & Solid Waste management, O & M cost: Rs. 245 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Green Initiative- Installation & maintenance of Windmill, Capital cost- Rs. 50 lakhs, O & M cost: Rs. 5 Lakhs per Yr	Green Initiative- Solar power installation, Capital cost- Rs. 25 lakhs, O & M cost: Rs. 2.5 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Occupational Health & Safety- Capital cost- Rs. 25 lakhs, O & M cost: Rs. 2.5 Lakhs per Yr	Occupational Health & Safety- Capital cost- Rs. 25 lakhs, O & M cost: Rs. 20 Lakhs per Yr
52. Environment Management Plan B. Operation phase	Social welfare upliftment- ESC Budget- Capital cost- Rs. 25 Lakhs, O & M cost: Rs. 2.5 Lakhs per Yr	Social welfare upliftment- CER Budget- Rs. 70 Lakhs
54. traffic management	54. traffic management	Total parking area: 8839.01 sq.m

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS	
Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes scrubber to the process vents and maximum stack height of 49 meters to the boiler to control the air pollution.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Zero Liquid Discharge effluent treatment plant for 334 KLD of effluent and proposes to discharge 148 KLD to CETP for which PP has permission from the CETP.
Drainage pattern of the project	PP considered contour levels during design of storm water drains.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits.
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 4800 KVA which will be supplied by MSEDCL. PP proposes DG sets of capacity 500 KVAx1, 1010 KVAx1 and 1250 KVAx2.
Traffic circulation system and risk assessment	PP proposes internal roads with minimum six meter width and nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP provided 33% green belt within the premises.
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and submitted DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposes EMP cost of Rs. 1740 Lakhs as capital cost and Rs. 442.5 Lakhs as recurring cost for the maintenance of environmental parameters during operation phase.
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 in the 149th meetin gof SEAC-1 held on 06.04.2018 wherein ToR was granted to the PP for the preparation of EIA/EMP reprot.

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

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

PP has obtained earlier EC vide No. SEAC-2010/CR-516/TC-2 dated 06.07.2011; PP to submit certified compliance of the EC from Regional Offcie of MoEF&CC, Nagpur.

PP submitted EIA/EMP reprot for appraisal in the 161st meeting held on 16.02.2019 wherein the proposal was deferred for compliance of following points,

1. PP has obtained certified compliance report from Regional Office of MoEF&CC, Nagpur for their earlier Environment Clearance vide letter dated 29.01.2019, PP to submit copy of reply submitted to the Regional Office of MoEF&CC in repsect of their observations in the reprot.

2. PP to submit revised layout plan showing area statement , green belt area leaving set back from the buildings. PP to submit list of trees exists on site and propsoed to be planted.

3. PP to provide cul-de-sac at the dead ends of the roads for easy movement of vehicles.

4. PP to carry out life cycle analysis of all the products and submit reprot along with suggestions and propsoed mitigation mesaures to reduce the impact identified in the study.

5. PP to submit revised Form-II.

6. PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

Now PP submitted the compliance of above points.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

1) PP to undertake development of green belt in the coming monsoon season and ensure provision of drip irrigation so as to achieve maximum survival of the saplings.
2) PP to use new and renewable energy source for the illumination of office building and street lights.
3) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Environmental Clearance for proposed expansion project of M/s Indo Amines ltd for production capacity enhancement

Is a Violation Case: No

1.Name of Project	M/s Indo Amines Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Changdev Laxman Kadam
4.Name of Consultant	Sadekar Enviro Engineers Pvt Limited
5.Type of project	Expansion, Schedule 5 (f), Category - B1 under EIA Notification 2006.
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing project started in 2003 before EIA notification 2006
8.Location of the project	Plot No – E-6, MIDC Mahad, Dist-Raigad, Maharashtra. 402302
9.Taluka	Mahad
10.Village	Birwadi
Correspondence Name:	Mr.Changdev Laxman Kadam
Room Number:	MIDC Plot No-W-44
Floor:	-
Building Name:	Indo Amines ltd.
Road/Street Name:	MIDC Manpada Road
Locality:	MIDC Dombivali Phase -II
City:	Dombivali(E)
11.Whether in Corporation / Municipal / other area	MIDC-Dombivali(E).
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 863.11
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.)	3000 SQ MET
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	12500000

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	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The nearest fire station is the Fire station in MIDC Mahad. The road to the project side is 9 meters wide.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius of 9 meters is provided within the plot premises.
29.Existing structure (s) if any	Manufacturing plant , associated utilities, raw material storage area and admin building are present on project plot.
30.Details of the demolition with disposal (If applicable)	Minor Demolition will be carried out.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Isosorbide-5-Mononitrate	2.0	3.0	5.0
2	Atenolol IP/BP/USP	5.0	15.0	20.0
3	Losartan Potassium IP/BP/USP	0	5.0	5.0
4	Furosemide (Frusemide) IP/BP/USP	0	5.0	5.0
5	Para Hydroxy Phenyl Acetamide (PHPA)	0	30.0	30.0
6	Bezafibrate IP/BP/USP	0	10.0	10.0
7	N-(4-Chlorobenzoyl)Tyramine	0	10.0	10.0
8	Ethyl Oleate IP/BP/USP	0	20.0	20.0
9	Strong Cetrimide Solution IP/BP	0	100.0	100.0
10	Cetrimide IP/BP/USP / Cetyl Trimethyl ammonium bromide	0	50.0	50.0
11	Para Methoxy Phenyl Acetic Acid(PMPA)	0	10.0	10.0
12	Total	7.0	258.0	265.0

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):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	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):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	2.0	0.250	2.250	0.2	0.025	0.225	1.0	0.750	1.750
Industrial Process	8.0	6.900	14.900	0	0	0	8.0	0.630	8.630
Cooling tower & thermopack	2.0	41.580	43.580	1.4	26.940	28.340	0	4.440	4.440
Gardening	5.0	0	5.000	5.0	0	5.000	0	0	0

Fresh water requirement	17.0	48.730	65.730	6.60	26.965	33.656	9.0	5.820	14.800

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 m approx. below ground level
	Size and no of RWH tank(s) and Quantity:	One The rain water collected from roof top will be connected to the RWH tank of capacity 15 CMD.
	Location of the RWH tank(s):	Next to GREEN BELT
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	250000
	Budgetary allocation (O & M cost) :	10000
	Details of UGT tanks if any :	Details of UGT Tanks if any: (Details of fire fighting and water storage tank)Fire Fighting tank of 40CMD capacity & U. G. Tank of 28 CMD capacity are provided.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drains of adequate capacity will be provided along the east & west boundaries of the plot.
	Quantity of storm water:	1.863 m3/hr.
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	1.750 M3
	STP technology:	Sewage waste water will be treated in the aeration tank of the effluent treatment plant.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Little waste like debris.
	Disposal of the construction waste debris:	Land Filling.
Waste generation in the operation Phase:	**Dry waste:**	Packing boards = 30 Kg/M
	Wet waste:	NA
	Hazardous waste:	ETP Sludge= 1170 Kg/M Spent Carbon = 9480 Kg/M Distillation Residue =14953 Kg/M Discarded containers barrels/liners/ plastic bags/ PPE etc = 50 nos/M Spent solvent = 1765 Kg/M
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be sold to approved vendor
	Wet waste:	NA
	Hazardous waste:	All the Hazardous waste generated within the company premises will be disposed to CHWTSDF, Taloja.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Dedicated Hazardous Waste storage area of 3.0 sq. m. will be provided as depicted in the project plot layout plan
	Area for the storage of waste & other material:	Dedicated Hazardous Waste storage area of 3.0sq. m. will be provided as depicted in the project plot layout plan
	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	pH-	-	6.0-8.5	7-8	5.5-9.0
2	TDS	mg/l	2300	1050	2100
3	BOD	mg/l	1200	60	100
4	COD	mg/l	4400	200	250
5	O & G	mg/l	10-20	5	10

Amount of effluent generation (CMD):	14.820
Capacity of the ETP:	20 CMD
Amount of treated effluent recycled :	Effluent after treatment in ETP will be further sent to CETP.
Amount of water send to the CETP:	14.820 CMD
Membership of CETP (if require):	Company is having membership of CETP, Mahad. (MMA -Mahad)
Note on ETP technology to be used	All the effluent generated within the company premises will be treated in the ETP of capacity 20 CMD comprising of Primary, Secondary & tertiary treatment . Domestic waste water will be subjected to aeration tank (Secondary treatment) of ETP. The effluent after treatment will be further sent to CETP,Mahad.
Disposal of the ETP sludge	ETP sludge will be disposed off to CHWTSDF,Taloja.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.2	Kg/M	10	1160	1170	CHWTSDF
2	Spent Carbon	28.3	Kg/M	240	9240	9480	CHWTSDF
3	Distillation Residue	20.3	Kg/M	1540	13413	14953	CHWTSDF
4	Discarded containers barrels/liners/ plastic bags/ PPE etc	33.1	Nos/M	0	50	50	CHWTSDF
5	Spent solvent	28.6	Kg/M	0	1765	1765	SALE TO MPCB AUTHORIZED PARTIES.

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	600 kg/hour steam boiler	LDO 0.600 Kl/day	1	16	250	90
2	4 lakh kcal Thermic Fluid Boiler	LDO 0.600 Kl/day	2	16	300	110
3	250 KVA Diesel Generator	High Speed Diesel 30l/Hr	3	4	100	110
4	1000 kg/hour steam boiler	LDO 1.600 Kl/day	-	Will be connected to existing 30 met height d to existing ht 30 met	250	90
5	10 lakh kcal Thermic fluid boil	LDO 1.00 Kl/day	-	Will be connected to existing ht 30 met	300	110
6	500 KVA Diesel Generator	High Speed Diesel 60 l/Hr	-	Will be connected to existing of 4 mets	100	110

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	1.2 T/D	2.6T/D	3.8T/D
2	High speed diesel	30lit/hr	60lit/hr	90lit/hr
41.Source of Fuel		Furnace Oil : Local Supplier High speed diesel: Local HP vendor		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	430.73 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	200
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Asltoniashcolaris, Macaranga peltata, Schleicheraoleosa, Microcospaniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteresisora, Holopteleaintegrifolia, Butea monosperma, Oroxylumindicum, Erythrina suberosa, Azadirachtaindica, Tremaorientalis, Pongamiapinnata, Neolamarckiacadamba, Pterospermumacerifolium, Dalbergia sissoo, Pongamiapinnata
	Timeline for completion of plantation :	2 years after grant of environmental clearance

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

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

1	Cassia fistula	Bahava	04	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	12	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltoniashcolaris	Saptaparni	08	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index
4	Macaranga peltata	Chandwar	04	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleicheraoleosa	Kusum	16	A native deciduous trees of forest tracts of Sahyadri ranges
6	Microcospaniculata	Shirali	04	A native evergreen medium sized tree of forest tracts of Sahyadri ranges
7	Terminalia elliptica	Ain	12	A native evergreen tree of forest tracts of Sahyadri ranges
8	Terminalia paniculata	Kindal	04	A native deciduous tree of forest tracts of Sahyadri ranges
9	Terminalia bellirica	Baheda	08	A native deciduous tree of forest tracts of Sahyadri ranges
10	Cordia dichotoma	Shelu	20	A native deciduous tree of forest tracts of Sahyadri ranges attracting large number of insects
11	Helicteresisora	Murudsheng	08	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
12	Holopteleaintegrifolia	Ainsadada	12	A native deciduous tree of forest tracts of Sahyadri ranges
13	Butea monosperma	Palash	04	A native brilliantly flowering tree abundant the Palghar District visited by large number of bird
14	Oroxylumindicum	Tetu	08	A native ornamental tree
15	Erythrina suberosa	Pangara	12	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
16	Azadirachtaindica	Kadulimb	20	A native evergreen tree capable of surviving in comparatively polluted environs
17	Dalbergia sissoo	Shisham	08	A native evergreen tree attracting large number of insects
18	Tremaorientalis	Ghol	04	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index
19	Pongamiapinnata	Karanj	08	A native deciduous tree well suited to intense heat and sunlight and drought tolerant.
20	Neolamarckiacadamba	Kadamba	08	A native evergreen tree with tremendous blooms attracting large number of insects

21	Pterospermumacerifolium	Karnikar	16	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	445 KW
	During Operation phase (Demand load):	445 KW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	1 x 250 KVA 1 x 500 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

8 nos of Solar street lights will be installed within the plot premises.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Common stack of 30 m height for 0.600 and 1000 kg/hr boiler Common stack of 35 m height for 4 lac and 10 lac kcal hot oil system Common stack of 4 et height for 250 and 500 KVA DG set	Common stack of 30 meters height will be attached to both boilers existing and proposed. Common stack of 35 mets height will be attached to both Hot oil systems of 4 lac and 10 lac Common stack of 4 met height will be provided for both DG sets
Water.	ETP of 20 CMD capacity comprising of Primary, Secondary and Tertiary Treatment.	Existing ETP of 20 CMD capacity will take a load of 14.820 CMD. The ETP will comprise of Primary, Secondary and Tertiary Treatment.

Noise	Acoustic enclosures have been provided to D.G Sets. Preventive maintenance of all the noise generating equipments is being done	Existing pollution control systems are sufficient for the proposed expansion. A thick green belt will be provided on the periphery of the plant premises.
Solid hazardous waste	The hazardous waste is stored in a seperate demarcated area, the recyclables are sent to authorized vendors and the rest are sent to CHWTSDF for disposal	Separate HW Storage area of 3.0 sq met will be provided

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	Upgradation of existing common stack of boiler & thermo pack to35 m height.	1000000	50000
2	Water	ETP operational and maintenance	0	300000
3	Noise	Development of acoustic enclosures and installation of shock absorbers & vibration absorbing pads	0	25000
4	Occupational Health	Purchase of PPE's and health check ups	50000	50000
5	Green Belt	Allotment of plot from MIDC for development of green belt , development and maintenance	900000	300000
6	Solid Waste	Purchase of solid waste storage bags, containers	200000	100000
7	Rain water harvesting	Provision of RWH system along with above ground collection tank of 10CMD.	250000	10000

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

Acetic acid	Liquid	Enclosed Shed	200 Kg Drum	0.4	0.49	Local	By Road
Acetic anhydride	Liquid	Enclosed Shed	200 Kg Drum	1.0	4.75	Local	By Road
Activated carbon	Solid	Enclosed Shed	20 Kg Bags	0.08	5.702	Local	By Road
Acetone	Liquid	Enclosed Shed	ST	15	16.66	Local	By Road
Ammonia	Gas	Enclosed Shed	Cylinder	1.8	17.1242	Local	By Road
Boric acid	Solid	Enclosed Shed	Bags	0.02	0.027	Local	By Road
BCFI	Solid	Enclosed Shed	50 Kg Bags	0.5	2.285	Local	By Road
Cyclohexane	Liquid	Enclosed Shed	200 Kg Drums	0.2	0.73	Local	By Road
Chlorosulfonic acid	Liquid	Enclosed Shed	500 Kg IBC	1	2.3	Local	By Road
Cyclopropyl amine	Liquid	Enclosed Shed	160 Kg Drums	0.32	0.84	Local	By Road
4-Chlorobenzoic acid	Solid	Enclosed Shed	100 kg Bags	0.6	6.3	Local	By Road
Furfuryl Amine	Liquid	Enclosed Shed	160 Kg Drums	0.48	1.625	Local	By Road
Hyflow	Solid	Enclosed Shed	22 Kg Bags	0.154	1.522	Local	By Road
Hydrose	Solid	Enclosed Shed	50 Kg Drum	0.15	0.42	Local	By Road
Hydrochloric acid	Liquid	Enclosed Shed	ST	25	9.62	Local	By Road
Hydrogen bromide	Liquid	Enclosed Shed	250 Kg Drums	1.25	5.657	Local	By Road
Hydrogen	Gas	Enclosed Shed	Cylinders	25 Nos	0.023	Local	By Road
IPA	Liquid	Enclosed Shed	ST	25	183.18	Local	By Road
Isosorbide	Solid	Enclosed Shed	500 kg Bags	1.5	6.45	Local	By Road
Tetradecyl dimethyl amine	Liquid	Enclosed Shed	160 Kg Drums	5	64.68	Local	By Road
Methyl benzyl amine	Liquid	Enclosed Shed	160 Kg Drums	3	28.46	Local	By Road
MDC	Liquid	Enclosed Shed	160 Kg Drums	3	28.43	Local	By Road
Toluene	Liquid	Enclosed Shed	ST	20	92.28	Local	By Road
RNC	Solid	Enclosed Shed	Drums	0.06	0.083	Local	By Road
Potassium hydroxide	Solid	Enclosed Shed	50 Kg Bags	0.2	0.645	Local	By Road
PHAP	Solid	Enclosed Shed	50 Kg Bags	2	44.46	Local	By Road
Pure N-(4-Chlorobenzoyl)-Tyramine	Solid	Enclosed Shed	100 Kg Bags	0.8	8.069	Local	By Road
OTBB	Solid	Enclosed Shed	50 Kg Bags	0.5	3.33	Local	By Road
Sulphuric acid	Liquid	Enclosed Shed	300 Kg Drums	0.9	0.96	Local	By Road
Soda ash	Solid	Enclosed Shed	60 Kg Bags	0.3	1.3	Local	By Road
Sodium hydroxide	Solid	Enclosed Shed	50 Kg Bags	1.5	3.62	Local	By Road
Sodium acetate	Solid	Enclosed Shed	50 Kg Bags	0.1	0.43	Local	By Road
Methyl-2-bromo-2-methyl propanoate	Liquid	Enclosed Shed	200 Kg Drum	0.5	5.29	Local	By Road

Para hydroxy phenyl acetamide	Solid	Enclosed Shed	50 Kg Bags	1.2	11.34	Local	By Road
MIPA (mono isopropyl amine)	Liquid	Enclosed Shed	ST	10	62.21	Local	By Road
Methanol	Liquid	Enclosed Shed	ST	25	56.7	Local	By Road
Methyl bromide	Liquid	Enclosed Shed	Cylinder 600 Kg	1.8	14.11	Local	By Road
MIBK	Liquid	Enclosed Shed	200 Kg Drums	2.4	25	Local	By Road
Sodium azide	Solid	Enclosed Shed	50kg Bags	0.01	0.76	Local	By Road
2,4-dichlorobenzoic acid	Solid	Enclosed Shed	50kg Bags	0.37	3.76	Local	By Road
Sulfur	Solid	Enclosed Shed	50kg Bags	1.5	14.55	Local	By Road
TEA.HCl	Solid	Enclosed Shed	100kg Bags	0.5	1.61	Local	By Road
Tyramine	Solid	Enclosed Shed	Drums 50 Kg	1	5.52	Local	By Road
Oleic acid	Liquid	Enclosed Shed	Drums 50 kg	4	24	Local	By Road
O-Xylene	Liquid	Enclosed Shed	160 Kg Drums	0.48	2.47	Local	By Road
4-MAP	Solid	Enclosed Shed	20 Kg Bags	3	13.287	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	34.16 sq. m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	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

DECISION OF SEAC

PP requested to postpone the proposal.

Hence, deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Environment Clearance for Common Bio-Medical Waste Treatment, Storage and Disposal Facility (CBWMTSDF)

Is a Violation Case: No

1.Name of Project	Integrated Common Bio-Medical Waste Treatment, Storage and Disposal Facility (CBWMTSDF) for PCMC and adjoining area
2.Type of institution	Private
3.Name of Project Proponent	Pimpri Chinchwad Municipal Corporation (PCMC) (Owner) Passco Environmental Solutions Pvt. Ltd (Operator)
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd., Mumbai
5.Type of project	Common Bio-Medical Waste Treatment, Storage and Disposal Facility (CBWMTSDF)
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	New project
8.Location of the project	Gut no 458/ 460/ 461
9.Taluka	Haveli
10.Village	Moshi
Correspondence Name:	Sanjay Kulkarni, Pimpri Chinchwad Municipal Corporation (PCMC) (Owner) & Pradeep Mulay, Passco Environmental Solutions Pvt. Ltd. (Operator)
Room Number:	--
Floor:	--
Building Name:	Pimpri chinchwad Municipal Corporation
Road/Street Name:	Mumbai Pune highway
Locality:	Pimpri
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Muncipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Lease deed executed on 15.06.2012 between PCMC (Leaser) and PESPL (Lessee)
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work has started at site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CIN- U 33129 PN 2005 PTC 020340
15.Total Plot Area (sq. m.)	4000 sq.m
16.Deductions	NA
17.Net Plot area	4000 sq.m
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.): 1767.25
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 15-05-2019
19.Total ground coverage (m2)	1042
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23
21.Estimated cost of the project	105900000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	G+1	10.89

23.Number of tenants and shops	Not a commercial project
24.Number of expected residents / users	Approx. 33 employees
25.Tenant density per hectare	Not a residential project
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Peripheral road will be provided with access to all parts of the facility; two gates will be provided
29.Existing structure (s) if any	None
30.Details of the demolition with disposal (If applicable)	No demolition is envisaged

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Waste for incineration	NA	420	420
2	Waste for autoclaving	NA	154	154

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	111
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	149
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	No excess water will be discharged as entire water will be used in the process itself and gardening
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	111
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	146
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	No excess water will be discharged as entire water will be used in Project itself
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	2	2	0	0.2	0.2	0	1.8	1.8
Industrial Process	0	144	144	0	108.2	108.2	0	36	36
Gardening	0	3	3	0	3	3	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	14.65
	Size and no of RWH tank(s) and Quantity:	Please refer proposed layout
	Location of the RWH tank(s):	within plot
	Quantity of recharge pits:	2
	Size of recharge pits :	2 X 2 m
	Budgetary allocation (Capital cost) :	Rs. 1.5 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 5000
	Details of UGT tanks if any :	12
35.Storm water drainage	**Natural water drainage pattern:**	Towards Indrayani river on the north east
	Quantity of storm water:	23.87 cum/ day
	Size of SWD:	450 mm x 750 mm
Sewage and Waste water	**Sewage generation in KLD:**	1.8
	STP technology:	Sewage will be treated in package type STP
	Capacity of STP (CMD):	2
	Location & area of the STP:	within site
	Budgetary allocation (Capital cost):	Rs. 5 Lakhs
	Budgetary allocation (O & M cost):	Rs. 25000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	From foundation excavation
	Disposal of the construction waste debris:	Soil from foundation excavation will be used for backfilling and site grading. No offsite disposal of construction debris is envisaged.
Waste generation in the operation Phase:	**Dry waste:**	8.25 kg/ day
	Wet waste:	none
	Hazardous waste:	Incineration ash- 42 TPM and ETP sludge- 5 TPM
	Biomedical waste (If applicable):	77 TPM
	STP Sludge (Dry sludge):	1.05 m3/month
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	PCMC's municipal waste skip
	Wet waste:	NA
	Hazardous waste:	Storage and disposal to CHWTSDF site, Ranjangaon
	Biomedical waste (If applicable):	Incineration, autoclaving, chemical disinfection, incineration ash and ETP sludge, recycled plastic - respective disposal sinks
	STP Sludge (Dry sludge):	will be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Within the shed
	Area for the storage of waste & other material:	Waste storage area is an integral of the CBMWSTDF.
	Area for machinery:	Waste storage area is an integral of the CBMWSTDF.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Waste storage area is an integral of the CBMWSTDF hence separate cost for storage has not been arrived at.
	O & M cost:	Waste storage area is an integral of the CBMWSTDF hence separate cost for storage has not been arrived at.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	~8-10	6.5-9.0	5.5-9.0
2	BOD	mg/l	~30	< 30	100
3	COD	mg/l	~350	< 250	250
4	TSS	mg/l	~1500	< 100	100
5	O & G	mg/l	~15	< 10	10

Amount of effluent generation (CMD):	36
Capacity of the ETP:	40
Amount of treated effluent recycled :	36
Amount of water send to the CETP:	0
Membership of CETP (if require):	NA
Note on ETP technology to be used	Screen > Seal pit > Reactor cum settling tank (alum dosed and stirred here) > Sludge filtering bags
Disposal of the ETP sludge	ETP sludge will be sent to CHWTSDF, Ranjangaon.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	TPM	0	5	5	Collection, Storage and Disposal to CHWTSDF site
2	Incineration Ash	37.2	TPM	0	42	42	Collection, Storage and Disposal to CHWTSDF site

39.Stacks emission Details

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

1	Incinerator	HSD	2	30	0.35	65-70 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	3600 Lit/day	3600 Lit/day
41.Source of Fuel		Local fuel retailer/ kerbside fuel pump		
42.Mode of Transportation of fuel to site		fuel vehicle will be used for transporting it to the site		

43.Green Belt Development	**Total RG area :**	1442 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	approx. 145 large trees and other smaller canopy trees and shrubs
	List of proposed native trees :	Aegle marmelos, Alstonia scholaris , Anthocephallus cadamba, Azadiracta indica, Barringtonia acutangula, Bauhinia purpurea, Cassia fistula, Dalbergia sissoo, Enterolobium saman, Delonix regia
	Timeline for completion of plantation :	All trees will be planted within 12 months from beginning of construction, or earlier depending on monsoon

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Beal Tree	4	Tree
2	Alstonia scholaris	Satwin	8	"An elegant tall evergreen tree with greyish rough bark. Medicinal plant, bark is used in traditional medicine to treat dysentery and fever"
3	Anthocephallus cadamba	Kadamb	5	"Perrennial Tree up to 45 m tall, without branches for more than 25 m. Native, Medicinal plant,Stembark—febrifugal, antidiuretic, anthelmintic, hypoglycaemic. "
4	Azadiracta indica	Neem	8	" A fast growing, evergreen tree that can reach a height of 15-20 m, rarely to 35-40 m. Used as an insecticide, to manufacture variety of cosmetics"
5	Barringtonia acutangula	Samudra phool	2	"An evergreen tree 5-8 m tall with rough fissured dark grey bark. Medicinal pant has long been used for medicine, timber and as a fish poison."
6	Bauhinia purpurea	Butterfly Tree	6	"A deciduous tree which can reach up to 20 feet tall and have a 25 foot crown. Native tree A good herb for curing Rheumatic pain and swelling"

7	Cassia fistula	Bahava	4	"A tropical ornamental tree with a trunck consisting of hard reddish wood, growing up to 40 feet tall. Medicinal Use- The sweet blackish pulp of the seedpod is used as a mild laxative."
8	Dalbergia sissoo	Sheesham	4	"A medium to large deciduous tree, native to India, with a light crown. It can grow up to a maximum of 25 m in height and 2 to 3 m in diameter. One of the most important cultivated timber tree. "
9	Delonix regia	Gulmohar	3	"An evergreen tree about 30-40 ft tall, but its elegant wide-spreading umbrella-like canopy can be wider than its height. Ornamental tree"
10	Enterolobium saman	Rain Tree	4	"A wide-canopied tree with a large symmetrical crown. It usually reaches a height of 25 m (82 ft) and a diameter of 40 m. Medicinal 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	Gardenia jasminoides	0.3 m	1 t o 2
2	Nyctanthes arbotristis	1.0 m	2 to 3
3	Lagerstroemia speciosa	2.0 m	6 to 8

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	15 kVA
	DG set as Power back-up during construction phase	No
	During Operation phase (Connected load):	300 kVA
	During Operation phase (Demand load):	250 kVA
	Transformer:	100 kVA
	DG set as Power back-up during operation phase:	2 DG set of 100 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	None

48.Energy saving by non-conventional method:

Yard illumination based on solar PV LEDs

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 28700000
	O & M cost:	Rs. 36500000 per Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	Water sprinkling	1.2
2	Environment Monitoring	Air, water , noise and soil	2
3	Green Belt Development	Tree plantation	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	High pressure drop Venturi Scrubber followed by droplet separator and stack	~ 240	~ 286
2	Water Pollution Control	ETP, Packaged type STP	~ 25	~ 1.25
3	Environment Monitoring	Air, water , noise and soil	~ 7.5	~ 8
4	Hazardous waste & Solid waste management	Storage yard and disposal	~ 2	~ 60
5	Green Belt Development	Tree plantation and landscaping	~ 5	~ 0.5
6	Occupational Health & Safety	Medical check up	~ 2.5	~ 7.2
7	Others	EHS training	~ 5	~ 3

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
HSD	fuel	Within site	200 l drum	1500 liters in drums	105	Local	By road
Disinfection chemical (Sodium hypochlorite)	BMW	Within site	35 l carboys	175 l carboys	~ 0.2	Local industrial chemical supplier	By road
Scrubbing medium (Caustic Lye)	chemical	Within site	35 l carboys	100 lit in carboys	~ 1	Local industrial chemical supplier	By road
Alum	chemical	Within site	100 kg bag	5 no. of 100 kg bags	~0.1	Local industrial chemical supplier	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1, gated T exit to the main road with gentle radius
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	438 sq.m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	approx. 6 m (with variations as per operational requirement)
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No protected area within 15 km radius

	Category as per schedule of EIA Notification sheet	7(da)
	Court cases pending if any	No
	Other Relevant Informations	Capacity of plant 5040 MT per year for incineration. 1848 MT per year for autoclaving Incinerator 2 of 300 kg/hr Autoclave 2 of 110 kg/hr shredder 1 of 500 kg/hr ETP capacity 40 cmd STP capacity 2 cmd
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge effluent treatment plant. PP proposes stack height of 30 meters to the incinerator to control the air pollution.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes Zero Liquid Discharge effluent treatment plant.
Drainage pattern of the project	PP considered contour levels during design of storm water drains.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits.
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 250kVA which will be supplied by MSEDCL. PP proposes two numbers of 100 KVA DG Sets.
Traffic circulation system and risk assessment	PP proposes minimum 6 meter wide internal roads with nine meter wide turning radius for easy movement of vehicles.
Landscape Plan	PP proposes 33% green belt within the proposed area.
Disaster management system and risk assessment	PP prepared onsite emergency plan.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposes EMP cost of Rs. 4.2 Lakhs during construction phase, Rs. 287.00 Lakhs as capital cost and Rs. 365.95 Lakhs as recurring cost for the maintenance of Environmental parameters.
Any other issues related to environmental sustainability	PP to ensure to control the odor from the proposed activity to prevent nuisance to the surrounding environment. PP to ensure compliance of the Bio Medical Waste Management Rules, 2016.

Brief information of the project by SEAC

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

The proposal is only for common biomedical waste treatment facility at Gut No. 458/460/461 in the PimpriChinchwad Municipal Corporation area. The propsoed plant will be operated by M/s Passco Environmental Solutions Pvt. Ltd.

The proposal was considered in 145th meeting and decided as below,

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

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

Now PP submitted Public Hearing Reprot and EIA/EMP report for appraisal.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance to the SEIAA subject to the follwing conditions.

Specific Conditions by SEAC:

1) PP to obtain water supply permission from the PCMC.
2) PP to recycle treated waste water for scrubbing purpose.
3) PP to provide and connect the online monitoring system to the MPCB server as per prevailing rules.
4) PP to undertake development of green belt in coming monsoon season. PP to provide drip irrigation so as to ensure maximum survival of the plants.
5) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.018.

FINAL RECOMMENDATION

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

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Environmental Clearance for proposed production capacity enhancement of M/s. Siddharth Carbochem Products Ltd.

Is a Violation Case: No

1.Name of Project	M/s. Siddharth Carbochem Products Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rishabh Jain
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Industrial Project , Schedule 5 (f) Category B1 as per EIA Notification of 2006.
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing project was set up before 2006.
8.Location of the project	Plot no E-3, MIDC area near Raymond factory, Jalgaon.
9.Taluka	Jalgaon
10.Village	-
Correspondence Name:	Mr. Rishabh Jain
Room Number:	-
Floor:	4th Floor
Building Name:	Eros Theatre building
Road/Street Name:	J Tata Road,
Locality:	Churchgate
City:	Mumbai
11.Whether in Corporation / Municipal / other area	MIDC area.
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 8983.32
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.)	20700
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.): 8983.32
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: 09-12-2014
19.Total ground coverage (m2)	8034
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38.81 %
21.Estimated cost of the project	200000000

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, Project is Industrial; the height of factory shed is 20 m

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)	Width of the road from the nearest fire station is 12 meters wide.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius of 9 meters is provided within the plot premises.
29.Existing structure (s) if any	Manufacturing plant & associated infrastructure are present on project plot
30.Details of the demolition with disposal (If applicable)	Not applicable, reactors & related machinery will be set up in existing shed.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Methyl Salicylate	250	350	600
2	Salicylic acid	95.8	146.2	242
3	Octyl Salicylate	0	150	150
4	Sodium Salicylate	0	150	150
5	Aspirin	0	150	150
6	Others	0	150	150
7	Synthetic polymer	143	857	999
8	Water treatment compound	125	875	1000
9	By products	-	-	-
10	Sodium Sulphate Salt	0	30	30

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	6.0	4.0	10	3.2	2.0	5.2	2.8	2.0	4.8
Industrial Process	45	20	65	41.53	13.47	55	3.47	6.53	10
Cooling tower & thermopack	8 (2.4 condensate recovery)	594 (160 condensate recovery)	602 (162.4 condensate recovery)	4.87	378.3	383.17	0.73	55.7	56.43
Gardening	1.0	12	13	1	12	13	0	0	0

Fresh water requirement	60	630	690	50.6	405.77	456.37	7.0	64.23	71.23

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	More than 200 m bgl
	Size and no of RWH tank(s) and Quantity:	RWH tank of 20 m3 volume & quantity to be stored is 15 m3.
	Location of the RWH tank(s):	Near Shed area
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	8.0 Lakh
	Budgetary allocation (O & M cost) :	0.5 Lakh
	Details of UGT tanks if any :	Currently Water storage UG tank of 128 KL capacity have been provided (existing) & 400 KLD will be provided after expansion.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drains of adequate capacity is provided along the boundaries of the plot.
	Quantity of storm water:	Storm water have been designed considering a peak rainfall of 100 mm/Hr and run-off co-efficient of 0.9. The total quantity of storm water will be 1863 m3/Hr
	Size of SWD:	500 m x 510 mm x 560 mm.
Sewage and Waste water	**Sewage generation in KLD:**	4.8
	STP technology:	Domestic waste water will be treated by aeration of ETP.
	Capacity of STP (CMD):	Not Applicable , sewage will be treated by aeration of ETP.
	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:**	Construction activities are not anticipated; hence waste generation will not occur.
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Dry wastes such as paper scrap & coal ash are generated. Scrap waste: Existing 300 Kg/M & After expansion 500 kg/M. Coal Ash: Existing : 18.12 MT/M & After expansion : 163 MT/M
	Wet waste:	Not Applicable
	Hazardous waste:	Exsiting : ETP sludge (Cat 35.3) – 0.75 MT/M & After Expansion: ETP Sludge (Cat 35.3) – 3.0 MT/M , MEE residue (Cat 37.3) After Expansion – 7.0 MT/M
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Through authorized recycler/re-processor/brick manufacturer.
	Wet waste:	Not Applicable
	Hazardous waste:	The sludge from ETP and MEE Residue will be sent to M/s. Maharashtra Enviro Power Ltd., Ranjangaon for disposal.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Dedicated hazardous waste storage area will be provided as per the project plot layout.
	Area for the storage of waste & other material:	Dedicated Hazardous Waste storage area will be provided.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.0 Lakh
	O & M cost:	6.0 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.8	8.2	6- 8.5
2	TDS	mg/l	2400	2000	<2100 mg/l
3	BOD	mg/l	110	24	<100 mg/l
4	COD	mg/l	500	203.1	<250 mg/l

Amount of effluent generation (CMD):	71.23 CMD
Capacity of the ETP:	85 CMD
Amount of treated effluent recycled :	65.9 CMD
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	The effluent will be segregated as High conc. Effluent and low conc. Effluent. The high conc. effluent will be treated in MEE. The low conc. effluent along with MEE condensate will be treated in the 3 stage ETP (Primary, secondary & tertiary) followed by R.O treatment to achieve ZLD. The domestic effluent will be treated in the aeration tank of the ETP.
Disposal of the ETP sludge	CHWTSDF, M/s. Maharashtra Enviro Power Ltd., Ranjangaon for disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	MT/M	0.75	2.25	3.0	CHWTSDF, Rajangaon
2	MEE residue	37.3	MT/M	--	7.0	7.0	CHWTSDF, Rajangaon
3	Sodium Sulphate salt	--	MT/M	--	30	30	Reuse/Recycle/Sale to authorized vendor

39.Stacks emission Details

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

1	(Existing) 1.5 MT/Hr steam boiler (This existing Boiler will be scraped out)	Coal/Briquette: 180 kg/Hr	1	30	0.4	150°C
2	(Existing) 200 KVA Diesel Generator	Diesel : 25 L/Hr	1	7	0.1016	80°C
3	(Proposed) 750 KVA Diesel Generator	Diesel : 150 L/Hr	1	12	0.2032	90°C
4	(Proposed) 6 lakh kcal/Hr Thermopack	Coal/Briquette 265 Kg/Hr	1	30	0.8	160°C
5	(Proposed) 3 MT/Hr steam boiler (this boiler will be for stand by)	Coal/Briquette: 580 kg/Hr	1	30	0.8	150°C
6	(Proposed) 10 MT/hr steam boiler	Coal/Briquette: 2000 kg/Hr	1	30	0.8	150°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal/Briquette	180 Kg/Hr	2265 Kg/Hr	2265 Kg/Hr
2	Diesel	25 L/Hr	150 L/Hr	175 L/Hr
41.Source of Fuel		Coal -Local Supplier ,Briquette - Local Supplier ,Diesel -Local Petroleum vendor		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	6831 sq.m
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Existing no. of trees – 302 Nos. Total no of trees to be planted 723 Nos.
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Macaranga peltata, Schleichera Oleosa, Microcos Paniculata, Terminalia elliptica , Terminalia Paniculata , Terminalia bellirica, Cordia dichotoma, Helicteresisora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Azadirachta Indica , Callicarpato mentosa, Neolamarckia cadamba, Pterospermum acerifolium
	Timeline for completion of plantation :	1 years after grant of Environmental clearance.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	40	Native ornamental tree having flowers attracting bees and butterflies.
2	Bombax ceiba	Sawar	46	A native tree with large showy flowers visited by birds.
3	Macaranga peltata	Chandwar	50	A native tree found in abundance across the sahyadri range.
4	Schleichera oleosa	Kusum	36	A native tree found in abundance in Sahyadris.

5	Microcos paniculata	Shirali	30	A native evergreen tree abundantly found across the Sahyadri ranges.
6	Terminalia elliptica	Ain	56	A native evergreen broad leaved tree common in the Sahyadris.
7	Terminalia paniculata	Kindal	25	Kindal is a tropical tree with a large natural distribution in Western Ghats.
8	Terminalia bellirica	Baheda	43	A native medicinally important tree.
9	Cordia dichotoma	Shelu	61	Native deciduous tree attracting various insects.
10	Helicteres isora	Murudsheng	43	A native shrub extensively found in the tracts & plains of sahyadri used as roost plant by variety of birds.
11	Holoptelea integrifolia	Vavala	43	A native tree abundantly found in Jalgaon District.
12	Butea monosperma	Palash	40	A native brilliantly flowering tree fed by local birds fairly common and abundant across the Jalgaon District.
13	Oroxylum indicum	Tetu	43	A native ornamental tree.
14	Azadirachta Indica	Neem	46	A native evergreen tree known for plantation in polluted area.
15	Callicarpato mentosa	Aisar	25	A native evergreen tree with beautiful flowers & thick hairy leaves which helps in dust settling.
16	Neolamarckia cadamba	Kadamba	61	A native evergreen tree with thick canopy.
17	Pterospermum acerifolium	Muchkund	35	A native ornamental tree.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	1300 KW
	During Operation phase (Demand load):	1620 KVA
	Transformer:	Existing 400 (It will be removed) & After Expansion 2000 KVA
	DG set as Power back-up during operation phase:	2 Nos. of DG set - 200 KVA & 750 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Solar power to be provided for street lights and office building .

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Emissions from Boiler/TFH	1. Stack height of 30m have been provided to existing boiler of capacity 1.5 MT/Hr to ensure effective dispersion of pollutants. (this boiler will be scraped out).	1. Multicyclone separator attached to Stack of 30m will be provided to the proposed boiler of capacity 3 MT/Hr (this boiler will be Stand by) 2. Multicyclone separator attached to Stack of 30m will be provided to the proposed Thermopack of capacity 6 Lakh Kcal/Hr. 3. Multicyclone separator attached to Stack of 30m will be provided to the proposed boiler of capacity 10 MT/Hr.
Waste Water	ETP of 8 CMD capacity comprising of Primary, Secondary and Tertiary Treatment. STP of 3 CMD will be scraped out.	ETP will be upgraded to 85 CMD capacity comprising of Primary, Secondary and Tertiary Treatment. Installation of MEE of 25 CMD capacity. Installation of RO of 80 CMD.
Noise Pollution & Air Emissions from DG set.	Stack of 7m have been provided to the D.G. set of capacity 200 KVA.	Stack of 12 m have been provided to the D.G. set of capacity 750 KVA.
Solid Hazardous Waste	The Hazardous waste is stored in a dedicated demarcated area, and sent to authorized recycler or sent to Ranjangaon CHWTSDF for disposal.	The Hazardous waste is stored in a dedicated demarcated area, and sent to authorized recycler or sent to Ranjangaon CHWTSDF for disposal.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	1. Multicyclone separator attached to Stack height of 30m has been provided to existing boiler of capacity 1.5 MT/Hr. (This boiler will be scraped out). 2. Multicyclone separator attached to Stack of 30m will be provided to the proposed boiler of capacity 3 MT/Hr (This boiler will be stand by). 3.Multicyclone separator attached to Stack of 30m will be provided to the proposed TFH of capacity 6 Lakh Kcal/Hr. 4. Multicyclone separator attached to Stack of 30m will be provided to the proposed Bo	20	3.0
2	Water	ETP comprising of Primary, Secondary and Tertiary Treatment, MEE and R.O treatment.	200	20
3	Noise	Noise Pollution Control, Installation of anti-vibration pads & Enclosure	1.0	0.05

4	Environment Monitoring	Quarterly Environment Monitoring : Ambient Air Monitoring (PM10, PM2.5, SO2, NOx, CO) , Work Place Air Monitoring (VOCs & Fugitive Emissions), Boiler & DG Set Monitoring (TPM, SO2, NOx), Effluent Treated & Untreated(pH, COD, BOD, TSS, TDS, Oil & Grease) , Monitoring of Carbon & Water Footprint.	2.0	5.5
5	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear plugs & Annual Health Check-up of workers.	3.0	7.0
6	Green Belt	Green Belt Maintenance	5.0	7.0
7	Rain Water Harvesting	Rain Water Harvesting	8.0	0.5
8	Solid Waste	Solid Waste Management & Disposal to CHWTSDF	2.0	6.0
9	Energy conservation	Solar street lights & solar power to be provided to office building.	3.0	0.25

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
Salicylic acid	Solid	Ware House	1000	1000	1200	Import	By Road/ By Sea
Methanol	Liquid	Solvent Area	60	60	280	Local	By Road
Liquor ammonia	Liquid	Tank Farm	15	15	32	Local	By Road
Caustic soda	Solid	Ware House	30	20	35	Local	By Road
Epichlorohydrin	Liquid	Tank Farm	40	40	150	Local/ Import	By road/by sea
Dimethylamine	Liquid	Tank Farm	40	40	120	Local	By Road
Adipic acid	Solid	Ware House	60	60	120	Local	By Road
2 ethyl hexanol	liquid	Solvent Area	20	20	150	Local	By Road
Acetyl Chloride	liquid	Ware House	25	20	120	Local	By Road
Acetic Acid	liquid	Tank Farm	20	20	60	Local	By Road
Trimethylcyclohexanol	liquid	Tank Farm	10	9	25	Local	By Road
Benzyl Chloride	liquid	Tank Farm	20	20	68	Local	By Road

Diallyldimethylammonium chloride	liquid	Ware House	20	20	68	Local	By road/by sea
Dicyandiamide	solid	Ware House	60	60	155	Local/ Import	By Road
Formaldehyde	liquid	Tank Farm	20	15	150	Local	By Road
Ammonium Chloride	solid	Ware House	30	20	29	Local	By Road
Diethylenetriamine	liquid	Ware House	20	20	29	Local	By Road
Acrylamide	solid	Ware House	10	10	10	Local	By Road
Poly Aluminum Chloride	solid	Ware House	25	20	33	Local	By Road
Aluminum Chlorohydrate	liquid	Tank Farm	15	15	50	Local	By Road
Acrylic Acid	liquid	Ware House	18	15	18	Local	By Road
Maleic Anhydride	solid	Ware House	7	5	7	Local	By Road
Styrene	liquid	Ware House	8	5	8	Local	By Road
Butyl Acrylates	liquid	Ware House	10	6	10	Local	By Road

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:	2070 sq. m.
	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):	Width of all Internal roads is 6 m & Turning radius is 9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	B1

	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	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

Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

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

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

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

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.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum and association of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
4) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.
6) PP to carry out life cycle analysis of the activities carried out on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.
7) PP to prepare the Legal Reregister with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
8) PP to carry out HAZOP and QRA and submit disaster management plan.
9) PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.
10) PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
11) PP to submit structural stability certificate of existing building with respect to the proposed expansion.
12) PP to submit hazardous chemical handling protocol
13) PP to include water and carbon foot print monitoring in the EMP.
14) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

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.

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Proposed project for expansion in existing products & addition of new products for manufacturing of amines & specialty chemicals at existing unit of Alkyl Amines Chemicals Limited at Plot Nos.: D-6/1 & D-6/2, MIDC Kurkumbh, Taluka Daund, Dist. Pune, Maharashtra 413802.

Is a Violation Case: No

1.Name of Project	Proposed project for expansion in existing products & addition of new products for manufacturing of amines & specialty chemicals at existing unit of Alkyl Amines Chemicals Limited at Plot Nos.: D-6/1 & D-6/2, MIDC Kurkumbh, Taluka Daund, Dist. Pune, Maharashtra 413802.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kirat Patel -Alkyl Amines Chemicals Limited
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Synthetic Organic Chemicals
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC letter- SEAC-2014/CR-387/TC-2 dated 31.03.2015
8.Location of the project	MIDC Kurkumbh, Maharashtra
9.Taluka	Daund
10.Village	Pandharewadi, Kurkumbh
Correspondence Name:	Mr. Sameer S. Katdare
Room Number:	401-407
Floor:	--
Building Name:	Nirman Vyapar Kendra
Road/Street Name:	--
Locality:	Plot No. 10, Sector 17, Vashi,
City:	Navi Mumbai 400 703
11.Whether in Corporation / Municipal / other area	NA
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 276070
13.Note on the initiated work (If applicable)	Not applicable (Already existing unit)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	276,070 Sq. m.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19,194.896
	b) Non FSI area (sq. m.): 171,468.459
	c) Total BUA area (sq. m.): 28631
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: 15-04-2019
19.Total ground coverage (m2)	23,360.153 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8.46 %
21.Estimated cost of the project	4658200000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Manufacturing units, raw material & finished goods storages area, utilities such as boilers, TFH and DG sets, ETP, RO and MEE.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A TO E- Aliphatic Amines, Aliphatic Mixed Amines, Aromatic Amines, Aromatic Mixed Amines, Others Mixed Amines	25,000 MT/A	+ 25,000 MT/A	50,000 MT/A
2	A- Aliphatic Amines	-	-	-
3	Monomethyl Amine (MMA)	-	-	-
4	Dimethyl Amine(DMA)	-	-	-
5	Trimethyl Amine(TMA)	-	-	-
6	Monoethyl Amine (MEA)	-	-	-
7	Diethyl Amine (DEA)	-	-	-
8	Triethyl Amine (TEA)	-	-	-
9	Monoisopropyl Amine (MIPA)	-	-	-
10	Diisopropyl Amine (DIPA)	-	-	-
11	N – Propylamine (NPA)	-	-	-
12	Di – N – PROPYL AMINE (DNPA)	-	-	-
13	Tri-N- Propyl Amine (TNPA)	-	-	-
14	Mono – N – Butylamine (MNBA)	-	-	-
15	Di-N-Butylamine(DNBA)	-	-	-
16	Tri-N-Butylamine(TNBA/TBA)	-	-	-
17	2-Etylhexaylamine(2-EHA)	-	-	-

18	Bis-2-Ethylhexylamine(BIS-2-EHA)	-	-	-
19	Mono-Cyclohexylamine(MCHA)	-	-	-
20	Di-Cyclohexylamine(DCHA)	-	-	-
21	Proposed Products in category A	-	-	-
22	Morpholine (MORPH)	-	-	-
23	DiethyleneGlycoaminbe (DGA)	-	-	-
24	Ethylene Diamine (EDA)	-	-	-
25	Piperazine (PIPZ)	-	-	-
26	Allylamine (ALLA)	-	-	-
27	Diallylamine	-	-	-
28	Triallylamine	-	-	-
29	Diamylamine (mixture of amines) (DAMA)	-	-	-
30	Triamylamine (TAMA)	-	-	-
31	Tertiary Octyl Amine (TOA)	-	-	-
32	Isobutylamine (IBA)	-	-	-
33	1,4- Diaminobutane (1,4- DMB)	-	-	-
34	Pyrrolidine (Pyrldne)	-	-	-
35	HexamethyleneDiamine (HMDA)	-	-	-
36	Hexamethyleneimine (Azepane)	-	-	-
37	Tertiary Butylamine (TBA)	-	-	-
38	B- Aliphatic Mixed Amines	-	-	-
39	Diisopropylethyl Amine (Hunig's Base)(DIPEA)	-	-	-
40	Dimethyl Isopropyl Amine(DMIPA)	-	-	-
41	Ethylmethyl Amine(EMA)	-	-	-
42	Diethylmethyl Amine(DEMA)	-	-	-
43	Dimethylcyclohexyl Amine(DMCHA)	-	-	-
44	N-ethylcyclohexyl Amine(NECHA)	-	-	-
45	N-Methylisopropyl Amine(NMIPA)	-	-	-
46	Diisopropylmethyl Amine(DMPA)	-	-	-
47	Dimethylbutylamine(DMBA)	-	-	-
48	Dimethylethylamine(DMEA)	-	-	-
49	Ethylpropyl Amine(EPA)	-	-	-
50	N,N Dimethylpropyl Amine(DMPA)	-	-	-
51	Proposed Products in category B	-	-	-
52	N-ethyl Piperazine (NEPIPZ)	-	-	-
53	N-Methyl Piperazine (NMPIPZ)	-	-	-
54	N-Methyl Morpholine (NMM)	-	-	-
55	C- Aromatic Amines	-	-	-
56	N,N Dimethylbenzyl Amine(BDMA)	-	-	-
57	1-Methyl-3 Phenyl Propyl Amine(MPPA)	-	-	-
58	Furfurylamine(FFA)	-	-	-
59	Benzylamine(MBA)	-	-	-
60	Dibenzyl Amine(DBA)	-	-	-
61	N-Ethyl Benzayl Amine(NEBA)	-	-	-
62	4-Methyl-N.N-Dimethylbenzayl Amine(4MBDMA)	-	-	-
63	Beta – Phenylethylamine(PHEA)	-	-	-
64	Alpha-Phenylethylamine(APEA)	-	-	-
65	N-Isopropyl Benzene Amine(NIPBA)	-	-	-
66	I-(Inaphthyl) Ethylamine(ANEA)	-	-	-
67	3,5 Dichloroaniline(3.5 DCA)	-	-	-

68	Para Cumidine(PCD)	-	-	-
69	D- Aromatic Mixed Amines	-	-	-
70	Thiophene – 2 Ethyl Amine(THEA)	-	-	-
71	2-Cyclohexylethyl Amine(CHEA)	-	-	-
72	Piperidine(PIP)	-	-	-
73	Trans-4-Methylcyclohexyl Amine(4MCHA)	-	-	-
74	N-Methylbenzyl Amine(NMBA)	-	-	-
75	N-Benzylethanol Amine(NBEA)	-	-	-
76	E-Other Mixed Amines	-	-	-
77	Methoxypropylamine(MOPA)	-	-	-
78	Dimethylaminopropyl Amine(DMAPA)	-	-	-
79	Methylaminopropyl Amine(MAPA)	-	-	-
80	N-Methyl IminoBis Propyl Amine(MIBPA)	-	-	-
81	Tetramethylenedlamine(TMEDA)	-	-	-
82	Tetramethyl Amino Bis Propyl Amine(TMBPA)	-	-	-
83	Ethoxy Propyl Amine(ETHOPA)	-	-	-
84	Ethoxyethyl Amine(EEA)	-	-	-
85	Diethylaminopropylamine(DEAPA)	-	-	-
86	Ethylaminoethyl Amine(EAEA)	-	-	-
87	Dimethylamino Ethyl Amine(DMAEA)	-	-	-
88	1,3 Propylene Diamine(1,3-DAP)	-	-	-
89	3- Aminopropanol(3-AP)	-	-	-
90	Hydroxynovaldamine/N Bis(2hydroxyethyl) F-Phenylendiamine. Sulphatephenylenediaminesulphate (HND/HEPD SULPHATE)	-	-	-
91	N,N Bis (2 Amminopropyl) Ethylenediamine(N-4 AMINE)	-	-	-
92	3-Methylamino-1-Phenyl-1-Propanol(MAPP)	-	-	-
93	Diethyl Hydroxylamine(DEHA)	-	-	-
94	DibenzylHydroxylaine(DBHA)	-	-	-
95	Isopropyl Hydroxylamine(IPHA)	-	-	-
96	N-Ethyl 1,2 – Dimethyl Propylamine (EDMPA)	-	-	-
97	Mixed Amines(MIXAMIN)	-	-	-
98	1,2 Dimethylpropylamine(1,2 DMPA)	-	-	-
99	Tris-2- (Ethyl Hexyl) Amine(TRIS-2-EHA)	-	-	-
100	3-(2-ethylhexoxy) Propylamine(EHOPA)	-	-	-
101	Iminobispropylamine(IBPA)	-	-	-
102	Proposed Products in category E	-	-	-
103	Diethyl Ethylene Diamine (DEEDA)	-	-	-
104	Diisopropyl Ethylene Diamine (DIPEDA)	-	-	-
105	Tertiary Amines- typical- N,N Dimethyl Laurylamine-LDMA (TA)	-	-	-
106	Tri Acetone Amine (TAA)	-	-	-
107	Di Tertiary Butyl Ethylenediamine (DTBEDA)	-	-	-
108	Methoxyethylamine (MOEA)	-	-	-
109	F-Betaines	1250 MT/A	0 MT/A	1250 MT/A
110	G-Aliphatic amine hydrochloride	15,000 MT/A	+15,000 MT/A	30,000 MT/A
111	Dimethylamine Hydrochloride(DMA HCL)	-	-	-
112	Dimethylaminopropylchloride Hydrochloride(DMAPC.HCL)	-	-	-

113	Diethylamine Hydrochloride(DEA HCL)	-	-	-
114	Monomethylamine Hydrochloride(MMA HCL)	-	-	-
115	2-Chloroethylamine Hydrochloride(CEA HCL)	-	-	-
116	Triethylamine Hydrochloride(TEA HCL)	-	-	-
117	Trimethylamine Hydrochloride(TMA HCL)	-	-	-
118	H-Aliphatic Amine Hydrochloride Solution	15,000 MT/A	0 MT/A	15,000 MT/A
119	I-Amides	500 MT/A	+500 MT/A	1000 MT/A
120	Diethyltoluamide (DEET)	-	-	-
121	Dietylphenyl Acetamide(DEPA)	-	-	-
122	Proposed Products in category I	-	-	-
123	Acetamide (AA)	-	-	-
124	J-Pearlising Agent	500 MT/A	0 MT/A	500 MT/A
125	K-Hydrogen	600 MT/A	0 MT/A	600 MT/A
126	L-Retesting, Repacking, Relabeling of products such as Amines/Amine derivatives and specialty chemicals (like Primene)	100 MT/A	+100 MT/A	200 MT/A
127	M-Specialty Intermediatess	12,400 MT/A	+31,000 MT/A	43,400 MT/A
128	4-Methylcyclohexanone(4 MCHN)	-	-	-
129	3- Methoxypropanol(3 MOPL)	-	-	-
130	Dimethyl Propylene Urea(DMPU)	-	-	-
131	1.8 – Diazabicyclo (5.4.0) Undec – 7 Ene(DBU)	-	-	-
132	Ethyl Piperazinedione(EDP)	-	-	-
133	B – Dimethylaminopropionitrile(DMAPN)	-	-	-
134	Acetonitrile(AN)	-	-	-
135	N,N – Dimethyl Imidazolidone(DMI)	-	-	-
136	1,5- Diazobicyclo (4,3,0) non-5-Ene(DBN)	-	-	-
137	2- Methyl Tetrahydrofuran(2-MTHF)	-	-	-
138	Phenyl Ethyl Alcohol(PHEA)	-	-	-
139	2- Methyl Resorcinol(3 MR)	-	-	-
140	Proposed Products in category M	-	-	-
141	Tetrahydrofurfurylalcohol (THFA)	-	-	-
142	1,2 Pentanediol (1,2 PDL)	-	-	-
143	1, Pentanol (1, PNTL)	-	-	-
144	Gammabutyrolactone (GBL)	-	-	-
145	4-Aminobutanol (4-AMBUNOL)	-	-	-
146	1,6 Hexanediol (1,6 HEXDIOL)	-	-	-
147	1,5 Pentanediol (1,5 PDIOL)	-	-	-
148	2 Methylcyclohexylacetate (2 MCA)	-	-	-
149	Diethylsulphate (DES)	-	-	-
150	Hindered Amines Light Stabiliser (HALS) Typical- Bis(2,2,6,6 Tetramethyl-4-Piperidyl) Sebacate	-	-	-
151	N-Methylmorpholineoxide (NMMO)	-	-	-
152	Trans-4Aminocyclohexanol (4AMCHNL)	-	-	-
153	Diisobutycarbinol (DIBC)	-	-	-
154	1,2,4-Triazole (1,2,4 TAZL)	-	-	-
155	N-Ethylurea (NEU)	-	-	-
156	N-Cynoacetyl N-Ethylurea (NCANEU)	-	-	-
157	2,2,6,6-Tetramethylpiperine 1-Oxyl (TEMPO)	-	-	-

158	4-Hydroxy-2,2,6,6-Tetramethylpiperine 1-Oxyl (HYDROXY TEMPO)	-	-	-
159	Diacetonealcohol (DAAL)	-	-	-
160	Mesityl Oxide (MEO)	-	-	-
161	2,2,6,6-Tetramethyl 2,3- Dihydropiridine (TMDP)	-	-	-
162	2,4,6-Trimethyl Pyridine Collidine (CODIN)	-	-	-
163	Diethyl ketone	-	-	-
164	N-Sodium Acetate Solution	3400 MT/A	+7000 MT/A	10,400 MT/A
165	O-Other Products	-	-	-
166	Used Caustic Lye (existing)	0 MT/A	0 MT/A	0 MT/A
167	Used Catalyst (existing)	15 MT/A	+56 MT/A	71
168	DEET Aqueous Layer (existing)	90 MT/A	0 MT/A	90 MT/A
169	Used Ammonia Solution (existing)	620 MT/A	+180 MT/A	800 MT/A
170	Used Solvent (Purified) (existing)	1 MT/A	0 MT/A	1 MT/A
171	Sodium Sulphate (proposed)	0 MT/A	+3500 MT/A	3500 MT/A
172	Calcium Sulphate (proposed)	0 MT/A	+1170 MT/A	1170 MT/A
173	Sodium carbonate solution (proposed)	0 MT/A	+3580 MT/A	3580 MT/A
174	Calcium Carbonate (proposed)	0 MT/A	+388 MT/A	388 MT/A
175	Total Products	79,476 MT/A	+87,474 MT/A	166,950 MT/A

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):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	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):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	49	0	49	-10	0	-10	39	0	39
Industrial Process	140	67	207	+21	+75	+96	161	142	303
Cooling tower & thermopack	1452	481	1933	-1196	-331	-1527	256	150	406
Gardening	200	10	210	-200	-10	-210	0	0	0
Fresh water requirement	1841	558	2399	-1385	-266	-1651	456	292	748
Fresh water requirement	Water Recycled	-	39+188 +12+12 =251	-	-	-	-	-	-
Fresh water requirement	Total fresh water required 2nd day onwards	-	2148	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-10 m
	Size and no of RWH tank(s) and Quantity:	400 m3 x 1 no. Harvested rain water will be stored in this tank and excess rain water will be led to natural drain.
	Location of the RWH tank(s):	Near Admin building
	Quantity of recharge pits:	Not applicable as collected water will be reused.
	Size of recharge pits :	Not applicable as collected water will be reused.
	Budgetary allocation (Capital cost) :	Rs. 10 Lac
	Budgetary allocation (O & M cost) :	Rs. 0.5 lac/A
	Details of UGT tanks if any :	Solvent storage tanks 14 nos.
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains are provided as per natural slopes.
	Quantity of storm water:	1561 l/s
	Size of SWD:	Width: 600mm; Depth: 600 mm; Slope 1:10
Sewage and Waste water	**Sewage generation in KLD:**	Existing: 39 CMD; Proposed: 0 CMD; Total: 39 CMD
	STP technology:	Generated sewage will be treated in existing STP.
	Capacity of STP (CMD):	50 CMD
	Location & area of the STP:	72 sq.m ground coverage near existing ETP
	Budgetary allocation (Capital cost):	Rs. 43.84 Lac
	Budgetary allocation (O & M cost):	Rs. 6 lac/A
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Quantity will be provided at time of EIA
	Disposal of the construction waste debris:	Within premises in low lying area.
Waste generation in the operation Phase:	**Dry waste:**	Hazardous Waste: • Ash From Incineration Hazardous Waste- 2 TPA; • Discarded container/barrels/liners- 7200 Nos./A; • E-waste- 0.9 TPA; • Biomedical waste- 0.1 TPA. Non-hazardous waste: • Wood Pallet- 12 TPA; • Scrap Material-22 TPA; • Carboy plastic- 2000 nos./A; • Office paper waste-2 TPA; • Woven sack bag HDPE- 2 TPA; • Drums- 5400 nos./A; • Boiler Ash from bagasse-14,190 TPA (43 TPD); • Boiler Ash from coal (Indian)-83,490 TPA (253 TPD); • Boiler Ash from coal (imported)-13,350 TPA (41 TPD).
	Wet waste:	Hazardous Waste: • Contaminated Aromatic Aliphatic Or Napthalenic Solvents- 48.5 TPA; • Spent Carbon from ETP - 6 TPA; • Toxic metal containing residue from water purification- 8 TPA; • Distillation residue- 2515 TPA; • Used/spent oil- 27 TPA; • Spent organic solvent- 1590 TPA; • Chemical sludge from waste water treatment/bio sludge- 346 TPA; • Waste/residue containing oil- 4 TPA; • MEE salts- 36 TPA; Non-Hazardous Waste: • Biological Sludge from STP- 20 TPA
	Hazardous waste:	Hazardous Waste: • Contaminated Aromatic Aliphatic Or Napthalenic Solvents- 48.5 TPA; • Ash From Incineration Hazardous Waste - 2 TPA; • Spent Carbon from ETP-6 TPA; • Toxic metal containing residue from water purification- 8 TPA; • Distillation residue- 2515 TPA; • Used/spent oil- 27 TPA; • Spent organic solvent- 1590 TPA; • Discarded container/barrels/liners- 7200 Nos./A; • Chemical sludge from waste

Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse/To CHWTSDF
	Wet waste:	CHWTSDF/Sale to MPCB authorized party/ Incineration in factory
	Hazardous waste:	CHWTSDF/Sale to MPCB authorized party/ Incineration in factory
	Biomedical waste (If applicable):	Authorized Biomedical Waste disposal facility.
	STP Sludge (Dry sludge):	Use as manure for gardening within premises
	Others if any:	Sale to authorized vendors/Recyclers.
Area requirement:	**Location(s):**	In plot D-6/2 area as indicated in plot layout.
	Area for the storage of waste & other material:	Area for the storage of Hazardous waste 400 Sq.m.
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.25 lacs, which is Included in total capital cost
	O & M cost:	Rs. 496.86 Lacs/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	9-10	7-8	5.5-9.0
2	BOD3,27ºC	mg/L	1000-1250	<100	<100
3	COD	mg/L	2000-2500	200-250	<250
4	TSS	mg/L	150-200	<100	<200
5	TDS	mg/L	1500-2000	500-600	<2100

Amount of effluent generation (CMD):	709 CMD
Capacity of the ETP:	Existing ETP-1 - 100 CMD; Existing ETP-2 - 100 CMD; Proposed ETP-3 - 150 CMD
Amount of treated effluent recycled :	251 CMD
Amount of water send to the CETP:	500.5 CMD
Membership of CETP (if require):	CETP Kurkumbh
Note on ETP technology to be used	Existing effluent from process (150 CMD) is being treated in two full-fledged ETP's of 100 CMD each consisting of primary, secondary and tertiary treatment separately. Then existing 267 CMD effluents from washings, boiler & cooling tower blowdowns, effluent from DM plant being neutralized. Then tertiary effluent from process along with other effluent from utilities 417 (150+267) CMD being collected in collection tank. Out of that 208.5 CMD of effluent is discharged to CETP as per consent & remai
Disposal of the ETP sludge	Sent to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Hazardous Waste Details	-	-	-	-	-	-
2	Contaminated Aromatic Aliphatic Or Napthalenic Solvents	20.1	T/A	48.5	0	48.5	Incineration in factory/ CHWTSDF/ authorized co-processor
3	Ash From Incineration Hazardous Waste	36.2	T/A	2	0	2	To CHWTSDF

4	Spent Carbon from ETP	35.3	T/A	3	3	6	Incineration in factory/ CHWTSDF
5	Toxic metal containing residue from water purification	34.2	T/A	4	4	8	CHWTSDF
6	Distillation residue	20.3	T/A	330	2185	2515	Incineration in factory/ CHWTSDF/ authorized co-processor
7	Used/spent oil	5.1	T/A	11	16	27	Sale to MPCB authorized party
8	Spent organic solvent	28.5	T/A	250	1340	1590	Sale to MPCB authorized party/CHWTSDF/ authorized co-processor
9	Discarded container/barrels/liners	33.3	Nos./A	3600	3600	7200	Sale to MPCB authorized party /return to party
10	Chemical sludge from waste water treatment/bio sludge	34.3	T/A	336	10	346	CHWTSDF/Incineration
11	Waste/residue containing oil	5.2	T/A	2	2	4	Incineration in factory/ CHWTSDF/ authorized co-processor
12	MEE Salts	35.3	T/A	--	36	36	ETP CHWTSDF
13	Other Wastes-	-	-	-	-	-	-
14	E-Waste	Not Specified	T/A	-	0.9	0.9	Returned to manufacturer through authorized dealer on buy back procurement
15	Biomedical waste	Not Specified	T/A	-	0.1	0.1	Authorized Biomedical Waste disposal facility.
16	Non-Hazardous waste	-	-	-	-	-	-
17	Wood Pallet	Not Specified	T/A	6.0	6.0	12.0	By Sale
18	Scrap Material	Not Specified	T/A	11.0	11.0	22.0	By Sale
19	Carboy plastic	Not Specified	nos./A	1000	1000	2000	By Sale
20	Office paper waste	Not Specified	T/A	1.0	1.0	2.0	By Sale
21	Woven sack bag HDPE	Not Specified	T/A	1.0	1.0	2.0	By Sale
22	Drums	Not Specified	nos./A	2700	2700	5400	By Sale
23	Boiler Ash from bagasse	Not Specified	T/A	3000 (9 TPD)	11,190 (34 TPD)	14,190 (43 TPD)	Sale to brick manufacturer
24	Boiler Ash from coal (Indian)	Not Specified	T/A	28,380 (86 TPD)	55,110 (167 TPD)	83,490 (253 TPD)	Sale to brick manufacturer
25	Boiler Ash from coal (imported)	Not Specified	T/A	5940 (18 TPD)	7590 (23TPD)	13,350 (41 TPD)	Sale to brick manufacturer
26	Biological Sludge from STP	Not Specified	T/A	--	20	20	Use as manure in gardening

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing 28 TPH Boiler	Bagasse-16.7 T/hr /Imported Coal- 7.5 T/hr /Indian Coal- 10.21 T/hr	1	60 m combined stack	2.0 m	125o C
2	Existing 18 TPH Boiler	Bagasse-11.7 T/hr /Imported Coal- 4.85 T/hr /Indian Coal- 6.56 T/hr	1	60 m combined stack	2.0 m	125o C
3	Existing 10 TPH Boiler	Bagasse-5 T/hr /Imported Coal- 2.65 T/hr /Indian Coal- 3.65 T/hr	1	42 m	0.65 m	125o C
4	Proposed 50 TPH Boiler	Imported Coal- 9.5 T/hr /Indian Coal- 17.02 T/hr	1	73 m	2.58 m	125o C
5	Existing TFH 15 lac kcal/hr	FO-125 kg/hr	1	31 m	1 m	130o C
6	Existing TFH10 lac kcal/hr	FO- 70 kg/hr	1	26.5 m	1.8 m	130o C
7	Existing H2 plant TFH- 5 lac Kcal/hr	Methanol/CO /CO2/H2-55 kg/hr	1	15 m	0.25 m	130o C
8	Proposed TFH2- 30 lac Kcal/hr	FO- 190.5 kg/hr	1	42 m	0.5 m	130o C
9	Proposed TFH3- 2.5 lac Kcal/hr	Methanol/Off gas- 28 kg/hr	1	15 m	0.25 m	130o C
10	DG set 1000 KVA (Existing)	HSD- 210 lit/hr	1	7.82 m above enclosure	0.15 m	135o C
11	DG set 1000 KVA (Existing)	HSD- 243 lit/hr	1	7.82 m above enclosure	0.15 m	135o C
12	DG set 2000 KVA (Proposed)	HSD- 403 lit/hr	1	10 m above enclosure	0.25 m	135o C
13	Ethylene Vent MPP2	--	1	15 m	0.08 m	Ambient
14	Flare	Ethylene-75 kg/hr./ H2- 5 kg/hr.	1	5 m	1.5 m	300°C
15	Incinerator	HSD- 20 kg/hr	1	30 m	0.2 m	200-250°C
16	H2 plant PSA vent	Water/ Aqueous Media	1	15 m	0.15 m	Ambient
17	Process HCl Scrubber	Water/ Aqueous Media	1	6 m	0.15 m	Ambient
18	Acetonitrile Plant vent gas	Water/ Aqueous Media	1	12 m	0.08 m	Ambient
19	Ethyl Plant Vent	Water/ Aqueous Media	1	24 m	0.24 m	Ambient
20	SMPV vent	Water/ Aqueous Media	1	12 m	0.3 m	Ambient
21	MPP-3 vent	Water/ Aqueous Media	1	12 m	0.3 m	Ambient
22	HCl Scrubber	Water/ Aqueous Media	1	6.5 m	0.15 m	Ambient
23	Amine Hydrochloride plant 2	Water/ Aqueous Media	1	15 m	0.3 m	Ambient

24	Amine Hydrochloride plant 3	Water/ Aqueous Media	1	15 m	0.3 m	Ambient
25	7th Column Stack	Water/ Aqueous Media	1	10 m	0.05 m	Ambient
26	MPP-4 plant, 3 nos.	Water/ Aqueous Media	1	15 m each	0.1 m each	Ambient
27	MPP-5	Water/ Aqueous Media	1 each	15 m	0.1 m	Ambient
28	MPP-6 VP plant	Water/ Aqueous Media	1	15 m	0.1 m	Ambient
29	Acetonitrile Plant	Water/ Aqueous Media	1	15 m	0.15 m	Ambient
30	Amine Hydrochloride plant-4, 2 nos.	Water/ Aqueous Media	1 each	15 m each	0.3 m each	Ambient
31	PSV Absorber, 2 nos.	Water/ Aqueous Media	1 each	15 m each	0.3 m each	Ambient
32	PSA vent	Water/ Aqueous Media	1	15 m	0.1 m	Ambient
33	*Note- Existing DG set- 320 KVA x 1 no. will be replaced by 1 no. of DG sets of 2000 KVA.	-	-	-	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse /imported coal /Indian coal	16.7T/hr /7.5 T/hr /10.21 T/hr	-- /9.5 T/hr /17.02 T/hr	16.7T/hr /17 T/hr /27.23 T/hr
2	FO	271 kg/hr	190.5 kg/hr	461.5 kg/hr
3	HSD	533 lit/hr	403 lit/hr	936 lit/hr
4	Methanol/CO/CO2/H2	55 kg/hr	27 kg/hr	82 kg/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	inside: 58,251 Sq.m. (21% of total plot area); Outside: 33,432 Sq.m. (12% of total plot area); Total: 91,683Sq.m (33% of total plot area)
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing Planted: 4000; Proposed to be planted: 4000; Total trees : 8000
	List of proposed native trees :	Arjun, Apta, Vad, Pimpal, etc.
	Timeline for completion of plantation :	With construction 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	Terminaliaarjuna	Arjun	200	Pollution Resistant
2	Bauhinia racemosa	Apta	200	Pollution Resistant
3	Ficusbenghalensis	Vad	100	Pollution Resistant
4	Ficusreligiosa	Pimpal	100	Pollution Resistant
5	Plumeria alba	Chafa	200	Pollution Resistant
6	Azadirachtaindica	Neem	200	Pollution Resistant

7	Teminaliatomentosa	Ain	200	Pollution Resistant
8	Lagerstroemia speciosa	Taman	200	Pollution Resistant
9	Ficuselastica	Rubber	200	Pollution Resistant
10	Tectonagrandis	Teak	2000	Pollution Resistant
11	Cassia fistula	Bahava	200	Pollution Resistant
12	Neolamarckiacadamba	Kadamb	200	Pollution Resistant
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)	800 KVA
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	5500 KW
	During Operation phase (Demand load):	4000 KW
	Transformer:	4000 KVA
	DG set as Power back-up during operation phase:	1000 KVA × 2 Nos. 2000 KVA× 1 No.
	Fuel used:	HSD 936 lit/hr
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Details will be provided at time of EIA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	ESP, Dust Collector, Multi-cyclone followed by stack of adequate height	ESP followed by stack of adequate height
Water	ETP, RO, MEE and STP	Proposed ETP
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set

Solid Waste	Disposal to CHWTSDF/ Sale to authorized Recycler	Disposal to CHWTSDF/ Sale to authorized Recycler

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15.32 Cr.
	O & M cost:	Rs. 7.28 Cr/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	Dust	Air Pollution	1.0
2	Debris	Solid Waste	1.0
3	Construction equipment	Noise Pollution	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	ESP, Stack, Multi cyclone and Bag filter	580	10.0
2	Water pollution control	ETP, MEE & RO	894.85	218.88
3	Noise pollution Control	Acoustic enclosure and regular maintenance	32	0.5
4	Occupational Health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	68.05	3.23
5	Environmental Monitoring Budget including carbon and water footprint	Environmental Monitoring, Carbon Footprint and Water Footprint monitoring	--	10.0
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	25	496.86
7	Green belt	Plantation &Maintenance of Green belt	20	15.0
8	Total	--	1619.9	754.47

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

Specially denatured spirit	liquid	RM warehouse	1440 L	8640 L	5192 L	Local	Road
Anhydrous Ammonia	gas	RM warehouse	75	150	2374	Local	Road
Hydrogen	gas	RM warehouse	5.9 NM3	3245 NM3	600000 m3/m	Local	Road
Diethylene Glycol	liquid	RM warehouse	100 L	200 L	1800 L	Local	Road
Amine HCL solution	liquid	RM warehouse	200 L	800 L	9000 L	Local	Road
Acetic Acid	liquid	RM warehouse	200 L	400 L	4407 L	Local	Road
Caustic Lye	liquid	RM warehouse	100 L	100 L	1320 L	Local	Road
Caustic Flakes	solid	RM warehouse	0.025 kg	10 kg	21 kg	Local	Road
Ortho cresol	liquid	RM warehouse	0.15 L	30 L	220 L	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m with turning radius of 9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	B1, 5 (f)
	Court cases pending if any	NO
	Other Relevant Informations	NO

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-04-2019

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

Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

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

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

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

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.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
4) PP to submit an undertaking for not violating any requirements of EIA Notification,2006 amended from time to time.
5) 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.
6) PP to include detailed water balance calculations along with design details of effluent treatment plant and copy of CETP permission to discharge treated effluent to the CETP in the EIA report.
7) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
8) PP to carry out life cycle analysis of all the products manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.
9) PP to carry out HAZOP and QRA and submit disaster management plan.
10) PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.
11) PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
12) PP to submit structural stability certificate of existing building with respect to the proposed expansion.
13) PP to submit hazardous chemical handling protocol
14) PP to include water and carbon foot print monitoring in the EMP.
15) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

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.

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 26.06.2013 FOR MINE OF M/s. S. L. Khatri & Company Through Partner Mr. Shyamlal Lahorimal Khatri OVER GUT NO 90 Part AREA 2.79 Ha FOR 24084 BRASS At MAUZA (Jalka) Shahapur TQ Amaravati DIST Amaravati ,GPS 21°0' 20.181"N 77°53' 45.8618"E

Is a Violation Case: No

1.Name of Project	SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 26.06.2013 FOR MINE OF M/s. S. L. Khatri & Company Through Partner Mr. Shyamlal Lahorimal Khatri OVER GUT NO 90 Part AREA 2.79 Ha FOR 24084 BRASS At MAUZA (Jalka) Shahapur TQ Amaravati DIST Amaravati
2.Type of institution	Private
3.Name of Project Proponent	M/s. S. L. Khatri & Company Through Partner Mr. Shyamlal Lahorimal Khatri
4.Name of Consultant	ENVIRO TECHNO CONSULT PVT LTD. ,NAGPUR
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No.90 Part
9.Taluka	Amaravati
10.Village	Shahapur
Correspondence Name:	M/s. S. L. Khatri & Company Through Partner Mr. Shyamlal Lahorimal Khatri
Room Number:	Gut No.90 Part
Floor:	Gut No.90 Part
Building Name:	Gut No.90 Part
Road/Street Name:	Gut No.90 Part
Locality:	Shahapur
City:	Shahapur
11.Whether in Corporation / Municipal / other area	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	MINING PLAN
	IOD/IOA/Concession/Plan Approval Number: BON/MINING/MMP/215/2019/442 dated3.4.2019
	Approved Built-up Area: 27900
13.Note on the initiated work (If applicable)	MINE IS RUNNING WITH VALID CLEARANCE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI ISSUED BY DISTRICT COLLECTOR AMARAVATI
15.Total Plot Area (sq. m.)	27900
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.): 27900
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: 03-04-2019
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	5400000

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)	12
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 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	Stone, Murrum (Minor Mineral)	192886 TPA /24084 Brass per year	192886 TPA /24084 Brass per year	192886 TPA /24084 Brass per year

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.800	0.800	0.	0.800	0.800	0	0	0
Gardening	0	1.20	1.20	0	1.20	1.20	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	18 m
	Size and no of RWH tank(s) and Quantity:	0
	Location of the RWH tank(s):	0
	Quantity of recharge pits:	1
	Size of recharge pits :	Mine pit will act as recharge pit
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain of 1m width x 1m depth x along peripheral length is proposed along peripheral area within safety barrier as per natural drain slopes
	Quantity of storm water:	33480
	Size of SWD:	1m x1m along the peripheral length
Sewage and Waste water	**Sewage generation in KLD:**	0.40
	STP technology:	Biotoilet proposed adjacent to ML area
	Capacity of STP (CMD):	0.40
	Location & area of the STP:	Biotoilet proposed adjacent to ML area
	Budgetary allocation (Capital cost):	195000
	Budgetary allocation (O & M cost):	50000
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:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	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):**	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for the storage of waste & other material:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for machinery:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
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):	No
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	0	0	0	0	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	0	0	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	4919
	No of trees to be cut :	0
	Number of trees to be planted :	2800
	List of proposed native trees :	Neem,Bamboo ,PEEPAL tree
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	NEEM	1300	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
2	Peepal	Peepal	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
3	Bamboo	Bamboo	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
4	Karanj	Karanj	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	5HP
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Power is required for lighting purpose only. All lights will be LED lights only of suitable wattage

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHTS WILL BE USED FOR LIGHTING	50

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DUST HAUL ROAD	Not applicable	WATER TANKER
DUST HAUL ROAD, DURING MINING OPERATIONS	Not applicable	SPRINKLERS
VEHICLES	Not applicable	WITH VALID PUC
DUST DURING MINING ,TRANSPORT,LOADING	Not applicable	GREEN BELT DEVELOPMENT

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	Particulate Matter	MAINTENANCE OF ROAD	3.0	0.50
2	Particulate Matter	GREEN BELT DEVELOPMENT	0.40	0.25
3	Particulate Matter	TRAFFIC MANAGEMENT	0	1.20
4	Particulate Matter	DUST SUPPERESSION	0	2.40
5	Particulate Matter	HOUSEKEEPING ACTIVITIES,	0.20	0.85
6	Particulate Matter	MOINTORING OF ENV PARAMETER	0	1.00
7	SAFETY	FENCING	3.0	0.15
8	SAFETY	SIGNAGES	0	0.15
9	OHS	SAFETY EQUIPMENT	0.25	1.6120
10	OHS	SIX MONTHLY HEALTH CHECKUP	0	0.30
11	OHS	FACILITY OF TOILETS, FIRST AID	1.95	0.50
12	FMCP PREPAREDNESS	FMCP FUND ALLOCATION	0	1.0

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	0	0	0	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:	0

Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	0
	Area per car:	0
	Area per car:	0
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	0
	Public Transport:	0
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	65 KM
	Category as per schedule of EIA Notification sheet	1a B2
	Court cases pending if any	No
	Other Relevant Informations	Environmental clearance Ref- SEAC-2013/CR-117/TC-3 dated 26th June 2013
	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 revalidation of their earlier Environmental Clearance No. 2013/CR-117/TC-3 dated 26.06.2013.

DECISION OF SEAC

As the earlier Environmental Clearance is valid, the Authority for revalidation is with the SEIAA as per para 9 (Validity of Environmental Clearance) of the EIA Notification, 2006.

Hence, SEAC decided to submit proposal to the SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 02.04.2013 AND CHANGE OF NAME VIDE DEIAA LETTER DEIAA2017/Amravati/EC/1108/2017 DATED 30.10.2017 FOR MINE OF M/s Vallabhashraya Stone Crusher , OVER GUT NO 21,22,23/1 & 24/1,AREA 4.71 Ha FOR 12117 BRASS At MAUZA Nabipur TQ Morshi ,DIST Amaravati ,GPS-N21°13'04.77? E77°50'41.90?

Is a Violation Case: No

1.Name of Project	SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 02.04.2013 AND CHANGE OF NAME VIDE DEIAA LETTER DEIAA2017/Amravati/EC/1108/2017 DATED 30.10.2017 FOR MINE OF M/s Vallabhashraya Stone Crusher , OVER GUT NO 21,22,23/1 & 24/1,AREA 4.71 Ha FOR 12117 BRASS At MAUZA Nabipur TQ Morshi ,DIST Amaravati
2.Type of institution	Private
3.Name of Project Proponent	M/s Vallabhashraya Stone Crusher
4.Name of Consultant	ENVIRO TECHNO CONSULT PVT LTD. ,NAGPUR
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No.21,22,23/1 & 24/1,
9.Taluka	Morshi
10.Village	Nabipur
Correspondence Name:	M/s Vallabhashraya Stone Crusher
Room Number:	Gut No.21,22,23/1 & 24/1,
Floor:	Gut No.21,22,23/1 & 24/1,
Building Name:	Gut No.21,22,23/1 & 24/1,
Road/Street Name:	Gut No.21,22,23/1 & 24/1,
Locality:	Nabipur
City:	Nabipur
11.Whether in Corporation / Municipal / other area	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Mining Plan
	IOD/IOA/Concession/Plan Approval Number: STC/446/2016-17/17 dated 08/01/2018
	Approved Built-up Area: 47100
13.Note on the initiated work (If applicable)	MINE IS RUNNING WITH VALID CLEARANCE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI ISSUED BY DISTRICT COLLECTOR AMARAVATI
15.Total Plot Area (sq. m.)	47100
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.): 47100
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: 08-01-2018
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	8800000

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)	12
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 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	Stone, Murrum (Minor Mineral)	97043 TPA / 12117 Brass per year	97043 TPA / 12117 Brass per year	97043 TPA / 12117 Brass per year

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.740	0.740	0	0.740	0.740	0	0	0
Gardening	0	1.26	1.26	0	1.26	1.26	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	25 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	1
	Size of recharge pits :	Mine pit will act as recharge pit
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain of 1m width x 1m depth x along peripheral length is proposed along peripheral area within safety barrier as per natural drain slopes
	Quantity of storm water:	53640
	Size of SWD:	1m x1m along the peripheral length
Sewage and Waste water	**Sewage generation in KLD:**	0.40
	STP technology:	Biotoilet proposed adjacent to ML area
	Capacity of STP (CMD):	0.40
	Location & area of the STP:	Biotoilet proposed adjacent to ML area
	Budgetary allocation (Capital cost):	195000
	Budgetary allocation (O & M cost):	50000
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:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	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):**	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for the storage of waste & other material:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for machinery:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
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	0	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):	No
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	0	0	0	0	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	0	0	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	6713
	No of trees to be cut :	0
	Number of trees to be planted :	2780
	List of proposed native trees :	Neem,Bamboo ,PEEPAL tree
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	NEEM	1280	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
2	Peepal	Peepal	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
3	Bamboo	Bamboo	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
4	Karanj	Karanj	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	5 HP
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Power is required for lighting purpose only. All lights will be LED lights only of suitable wattage

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHTS WILL BE USED FOR LIGHTING	64

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DUST HAUL ROAD	Not applicable	WATER TANKER
DUST HAUL ROAD, DURING MINING OPERATIONS	Not applicable	SPRINKLERS
VEHICLES	Not applicable	WITH VALID PUC
DUST DURING MINING ,TRANSPORT, LOADING	Not applicable	GREEN BELT DEVELOPMENT

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	64000
	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	Particulate Matter	MAINTENANCE OF ROAD	2.0	0.50
2	Particulate Matter	GREEN BELT DEVELOPMENT	0.39	0.25
3	Particulate Matter	TRAFFIC MANAGEMENT	0	0.50
4	Particulate Matter	DUST SUPPERESSION	0	2.10
5	Particulate Matter	HOUSEKEEPING ACTIVITIES,	0.20	0.85
6	Particulate Matter	MOINTORING OF ENV PARAMETER	0	1.0
7	SAFETY	FENCING	1.50	0.15
8	SAFETY	SIGNAGES	0	0.15
9	OHS	SAFETY EQUIPMENT	0.25	1.3120
10	OHS	SIX MONTHLY HEALTH CHECKUP	0	0.30
11	OHS	FACILITY OF TOILETS, FIRST AID	1.95	0.50
12	FMCP PREPAREDNESS	FMCP FUND ALLOCATION	0	1.0

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	0	0	0	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:	0

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	0
	Area per car:	0
	Area per car:	0
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	0
	Public Transport:	0
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	65
	Category as per schedule of EIA Notification sheet	1a B2
	Court cases pending if any	No
	Other Relevant Informations	1) Environmental clearance Ref- SEAC-2013/CR-117/TC-3 dated 2nd April 2013 2) DEIAA Ref - DEIAA2017/Amaravati/EC/408/2017 dated 30/10/2017
	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 revalidation of their earlier Environmental Clearance No. 2013/CR-117/TC-3 dated 26.06.2013.

DECISION OF SEAC

As the earlier Environmental Clearance is valid, the Authority for revalidation is with the SEIAA as per para 9 (Validity of Environmental Clearance) of the EIA Notification, 2006.

Hence, SEAC decided to submit proposal to the SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Environment Clearance for SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 26.06.2013 AND CHANGE OF NAME ORDER VIDE DEIAA2017/Amaravati/EC/595/2017 dated 27.04.2017 FOR MINE OF M/S Geeta Stone Industries Through Partner Mr. Ankit A. Kedia, Mr. Vinit A. KediaOVER GUT NO 45 Part AREA 2..97 Ha FOR 22396 BRASS At MAUZA Parsoda TQ Amaravati DIST Amaravati ,GPS-20°57'32.9

Is a Violation Case: No

1.Name of Project	Environment Clearance for SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 26.06.2013 AND CHANGE OF NAME ORDER VIDE DEIAA2017/Amaravati/EC/595/2017 dated 27.04.2017 FOR MINE OF M/S Geeta Stone Industries Through Partner Mr. Ankit A. Kedia, Mr. Vinit A. KediaOVER GUT NO 45 Part AREA 2..97 Ha FOR 22396 BRASS At MAUZA Parsoda TQ Amaravati DIST Amaravati
2.Type of institution	Private
3.Name of Project Proponent	M/S Geeta Stone Industries ,Through Partner Mr. Ankit A. Kedia, Mr. Vinit A. Kedia
4.Name of Consultant	ENVIRO TECHNO CONSULT PVT LTD. ,NAGPUR
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	GUT NO 45 Part
9.Taluka	Amaravati
10.Village	Parsoda
Correspondence Name:	M/S Geeta Stone Industries
Room Number:	GUT NO 45 Part
Floor:	GUT NO 45 Part
Building Name:	GUT NO 45 Part
Road/Street Name:	GUT NO 45 Part
Locality:	Parsoda
City:	Parsoda
11.Whether in Corporation / Municipal / other area	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Mining Plan
	IOD/IOA/Concession/Plan Approval Number: BON/MINING/MMP/215/2019/442 dated 3.4.2019
	Approved Built-up Area: 29700
13.Note on the initiated work (If applicable)	MINE IS RUNNING WITH VALID CLEARANCE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI ISSUED BY DISTRICT COLLECTOR AMARAVATI
15.Total Plot Area (sq. m.)	29700
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.): 29700
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: 03-04-2019

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	4000000

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)	12
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 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	Stone, Murrum (Minor Mineral)	179367 TPA / 22396 Brass Per Year	179367 TPA / 22396 Brass Per Year	179367 TPA / 22396 Brass Per Year

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.80	0.80	0	0.80	0.80	0	0	0
Gardening	0	1.20	1.20	0	1.20	1.20	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	19 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	1
	Size of recharge pits :	Mine pit will act as recharge pit
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain of 1m width x 1m depth x along peripheral length is proposed along peripheral area within safety barrier as per natural drain slopes
	Quantity of storm water:	35640
	Size of SWD:	1m x1m along the peripheral length
Sewage and Waste water	**Sewage generation in KLD:**	0.40
	STP technology:	Biotoilet proposed adjacent to ML area
	Capacity of STP (CMD):	0.40
	Location & area of the STP:	Biotoilet proposed adjacent to ML area
	Budgetary allocation (Capital cost):	195000
	Budgetary allocation (O & M cost):	50000
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:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	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):**	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for the storage of waste & other material:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for machinery:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
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	0	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):	No
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	0	0	0	0	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	0	0	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	4915
	No of trees to be cut :	0
	Number of trees to be planted :	2620
	List of proposed native trees :	Neem,Bamboo ,PEEPAL tree
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	NEEM	1120	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
2	Peepal	Peepal	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
3	Bamboo	Bamboo	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
4	Karanj	Karanj	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	5 Hp
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Power is required for lighting purpose only. All lights will be LED lights only of suitable wattage

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHTS WILL BE USED FOR LIGHTING	50

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DUST HAUL ROAD	Not applicable	WATER TANKER
DUST HAUL ROAD, DURING MINING OPERATIONS	Not applicable	SPRINKLERS
VEHICLES	Not applicable	WITH VALID PUC
DUST DURING DURING MINING TRANSPORT,LOADING	Not applicable	GREEN BELT DEVELOPMENT

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	Particulate Matter	MAINTENANCE OF ROAD	8.0	0.50
2	Particulate Matter	GREEN BELT DEVELOPMENT	0.37200	0.25
3	Particulate Matter	TRAFFIC MANAGEMENT	0.45	2.50
4	Particulate Matter	DUST SUPPERESSION	0	2.40
5	Particulate Matter	HOUSEKEEPING ACTIVITIES,	0.20	0.85
6	Particulate Matter	MOINTORING OF ENV PARAMETER	0	1.0
7	SAFETY	FENCING	3.0	0.15
8	SAFETY	SIGNAGES	0	0.15
9	OHS	SAFETY EQUIPMENT	0.25	1.3120
10	OHS	SIX MONTHLY HEALTH CHECKUP	0	0.30
11	OHS	FACILITY OF TOILETS, FIRST AID	1.95	0.50
12	FMCP PREPAREDNESS	FMCP FUND ALLOCATION	0	1.00

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	0	0	0	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:	0

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	0
	Area per car:	0
	Area per car:	0
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	0
	Public Transport:	0
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	70 kM
	Category as per schedule of EIA Notification sheet	1a B2
	Court cases pending if any	No
	Other Relevant Informations	1) Environmental clearance SEIAA Ref- SEAC-2013/CR-117/TC-3 dated 26th June 2013. 2) DEIAA Ref,- DEIAA2017/Amaravati/EC/595 /2017 dated 27/04/2017
	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 revalidation of their earlier Environmental Clearance No. 2013/CR-117/TC-3 dated 26.06.2013.

DECISION OF SEAC

As the earlier Environmental Clearance is valid, the Authority for revalidation is with the SEIAA as per para 9 (Validity of Environmental Clearance of the EIA Notification, 2006.

Hence, SEAC decided to submit the proposal to the SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 26.06.2013 FOR MINE OF Mr. Bhimandas L. Khatri OVER GUT NO 44 Part, AREA 1.60 Ha FOR 2528 BRASS At MAUZA Masod TQ Amaravati DIST Amaravati ,GPS-20°57' 26.40"N, 77°49' 26.40"E

Is a Violation Case: No

1.Name of Project	SEIAA PROPOSAL FOR REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE VIDE LETTER 2013/CR117/TC-3 DATED 26.06.2013 FOR MINE OF Mr. Bhimandas L. Khatri OVER GUT NO 44 Part, AREA 1.60 Ha FOR 2528 BRASS At MAUZA Masod TQ Amaravati DIST Amaravati ,
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bhimandas L. Khatri
4.Name of Consultant	ENVIRO TECHNO CONSULT PVT LTD. ,NAGPUR
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No.44 Part
9.Taluka	Amaravati
10.Village	Masod
Correspondence Name:	Mr. Bhimandas L. Khatri
Room Number:	Gut No.44 Part
Floor:	Gut No.44 Part
Building Name:	Gut No.44 Part
Road/Street Name:	Gut No.44 Part
Locality:	Masod
City:	Masod
11.Whether in Corporation / Municipal / other area	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	MINING PLAN
	IOD/IOA/Concession/Plan Approval Number: BON/MINING/MMP/215/2014/1026 dated 02.08.2014
	Approved Built-up Area: 16000
13.Note on the initiated work (If applicable)	MINE IS RUNNING WITH VALID CLEARANCE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI ISSUED BY DISTRICT COLLECTOR AMARAVATI
15.Total Plot Area (sq. m.)	16000
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.): 16000
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: 02-08-2014
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	3500000

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)	12
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 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	Stone, Murrum (Minor Mineral)	20000 TPA ,2528 BRASS /YEAR	20000 TPA ,2528 BRASS /YEAR	20000 TPA ,2528 BRASS /YEAR

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.800	0.800	0	0.80	0.80	0	0	0
Gardening	0	1.20	1.20	0	1.20	1.20	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	19 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	1
	Size of recharge pits :	Mine pit will act as recharge pit
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain of 1m width x 1m depth x along peripheral length is proposed along peripheral area within safety barrier as per natural drain slopes
	Quantity of storm water:	19200
	Size of SWD:	1m x1m along the peripheral length
Sewage and Waste water	**Sewage generation in KLD:**	0.40
	STP technology:	Biotoilet proposed adjacent to ML area
	Capacity of STP (CMD):	0.40
	Location & area of the STP:	Biotoilet proposed adjacent to ML area
	Budgetary allocation (Capital cost):	195000
	Budgetary allocation (O & M cost):	50000
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:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	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):**	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for the storage of waste & other material:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
	Area for machinery:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area
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	0	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):	No
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	0	0	0	0	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	0	0	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	1600
	No of trees to be cut :	0
	Number of trees to be planted :	2660
	List of proposed native trees :	Neem,Bamboo ,PEEPAL tree
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	NEEM	1160	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
2	Peepal	Peepal	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
3	Bamboo	Bamboo	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
4	Karanj	Karanj	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	5 HP
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Power is required for lighting purpose only. All lights will be LED lights only of suitable wattage

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHTS WILL BE USED FOR LIGHTING	32

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DUST HAUL ROAD	Not applicable	WATER TANKER
DUST HAUL ROAD, DURING MINING OPERATIONS	Not applicable	SPRINKLERS
VEHICLES	Not applicable	WITH VALID PUC
DUST DURING MINING ,TRANSPORT,LOADING	Not applicable	GREEN BELT DEVELOPMENT

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	32000
	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	Particulate Matter	MAINTENANCE OF ROAD	3.70	0.50
2	Particulate Matter	GREEN BELT DEVELOPMENT	0.335	0.25
3	Particulate Matter	TRAFFIC MANAGEMENT	0	1.20
4	Particulate Matter	DUST SUPPERESSION	0	2.40
5	Particulate Matter	HOUSEKEEPING ACTIVITIES,	0.20	0.85
6	Particulate Matter	MOINTORING OF ENV PARAMETER	0	1.0
7	SAFETY	FENCING	2.0	0.15
8	SAFETY	SIGNAGES	0	0.15
9	OHS	SAFETY EQUIPMENT	0.25	1.31200
10	OHS	SIX MONTHLY HEALTH CHECKUP	0.0	0.30
11	OHS	FACILITY OF TOILETS, FIRST AID	1.95	0.50
12	FMCP PREPAREDNESS	FMCP FUND ALLOCATION	0	1.00

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	0	0	0	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:	0

Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	0
	Area per car:	0
	Area per car:	0
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	0
	Public Transport:	0
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	66 KM
	Category as per schedule of EIA Notification sheet	1a B2
	Court cases pending if any	No
	Other Relevant Informations	Environmental clearance Ref- SEAC-2013/CR-117/TC-3 dated 26th June 2013
	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 revalidation of their earlier Environmental Clearance No. 2013/CR-117/TC-3 dated 26.06.2013.

DECISION OF SEAC

As the earlier Environmental Clearance is valid, the Authority for revalidation is with the SEIAA as per para 9 (Validity of Environmental Clearance) of the EIA Notification, 2006.

Hence, SEAC decided to submit proposal to the SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Stone Quarry of Mr. Pravin Diliprao Nimbhorkar, Mauza-Waghoda,Tq -Karanja (Ghadge),Gut No.-53 Part , Dist. Wardha, Area - 1.66 Ha,GPS -21°10'03.06

Is a Violation Case: No

1.Name of Project	Stone Quarry of Mr. Pravin Diliprao Nimbhorkar, Mauza-Waghoda,Tq -Karanja (Ghadge),Gut No.-53 Part , Dist. Wardha,
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pravin Diliprao Nimbhorkar
4.Name of Consultant	ENVIRO TECHNO CONSULT PVT LTD. ,NAGPUR
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No.53 Part
9.Taluka	Karanja (Ghadge)
10.Village	Waghoda
Correspondence Name:	Mr. Pradip Diliprao Nimbhorkar
Room Number:	Gut No 53 part
Floor:	Gut No 53 part
Building Name:	Gut No 53 part
Road/Street Name:	Waghoda
Locality:	Waghoda
City:	Waghoda
11.Whether in Corporation / Municipal / other area	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Mining Plan
	IOD/IOA/Concession/Plan Approval Number: BON/MINING/MMP/215/2019/442 dated 03.04.2019
	Approved Built-up Area: 16600
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI ISSUED BY DISTRICT COLLECTOR WARDHA
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.): 16600
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: 03-04-2019
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	3600000

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)	12
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	Stone, Murrum (Minor Mineral)	0	90140 TPA /11255 : Brass	90140 TPA /11255 : Brass

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.600	0.600	0	0.600	0.600	0	0	0
Gardening	0	1.40	1.40	0	1.40	1.40	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	1
	Size of recharge pits :	Mine pit will act as recharge pit
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain of 1m width x 1m depth x along peripheral length is proposed along peripheral area within safety barrier as per natural drain slopes
	Quantity of storm water:	19920
	Size of SWD:	1m x1m along the peripheral length
Sewage and Waste water	**Sewage generation in KLD:**	0.40
	STP technology:	Biotoilet proposed adjacent to ML area
	Capacity of STP (CMD):	0.40
	Location & area of the STP:	Biotoilet proposed adjacent to ML area
	Budgetary allocation (Capital cost):	195000
	Budgetary allocation (O & M cost):	50000
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:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	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):**	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
	Area for the storage of waste & other material:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
	Area for machinery:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
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):	No
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	0	0	0	0	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	0	0	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	3461
	No of trees to be cut :	0
	Number of trees to be planted :	2692
	List of proposed native trees :	Neem,Bamboo ,PEEPAL tree
	Timeline for completion of plantation :	5 YEARS

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	NEEM	1192	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
2	Peepal	Peepal	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
3	Bamboo	Bamboo	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
4	Karanj	Karanj	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	5HP
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Power is required for lighting purpose only. All lights will be LED lights only of suitable wattage

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHTS WILL BE USED FOR LIGHTING	35

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DUST HAUL ROAD	Not applicable	WATER TANKER
DUST HAUL ROAD, DURING MINING OPERATIONS	Not applicable	SPRINKLERS
VEHICLES	Not applicable	WITH VALID PUC
DUST DURING MINING,TRANSPORT,LOADING	Not applicable	GREEN BELT DEVELOPMENT

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	35000
	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	Particulate Matter	MAINTENANCE OF ROAD	8.80	0.50

2	Particulate Matter	GREEN BELT DEVELOPMENT	0.35	0.25
3	Particulate Matter	TRAFFIC MANAGEMENT	0.0	1.00
4	Particulate Matter	DUST SUPPERESSION	0	2.25
5	Particulate Matter	HOUSEKEEPING ACTIVITIES,	0.20	0.85
6	Particulate Matter	MOINTORING OF ENV PARAMETER	0	1.0
7	SAFETY	FENCING	2.00	0.15
8	OHS	SAFETY EQUIPMENT	0.25	1.81200
9	OHS	SIX MONTHLY HEALTH CHECKUP	0.0	0.30
10	OHS	FACILITY OF TOILETS, FIRST AID	1.95	0.50
11	FMCP PREPAREDNESS	FMCP FUND ALLOCATION	0	1.00
12	SAFTY	SIGNAGES	0	0.15

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	0	0	0	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:	0

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	0
	Area per car:	0
	Area per car:	0
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	0
	Public Transport:	0
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	41 kM
	Category as per schedule of EIA Notification sheet	1a B2
	Court cases pending if any	No
	Other Relevant Informations	21°10'03.06"N 78°16'46.60"E
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP proposes to provide mitigation measures for dust control, vehicular emission, domestic waste water, etc.
Water Budget	PP submitted water budget calculations at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP to provide movable toilets to the workers working in the mine area and sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
Drainage pattern of the project	No natural drain be diverted for the mining activity. PP to provide garland drain to collect rain water for use.
Ground water parameters	No ground water withdrawal is permitted in the proposed mine area.

Solid Waste Management	PP to ensure proper disposal of solid waste as approved by the competent Authority. No nuisance of the waste be created in and around the proposed mine area.
Air Quality & Noise Level issues	PP proposes to construct approach road, water sprinkling for the control of dust pollution. PP proposes to ensure PUC of the vehicles transporting mined material.
Energy Management	The demand for energy will be 5HP which will be supplied by MSEDCL.
Traffic circulation system and risk assessment	PP to provide adequate load baring capacity road for safe plying of the heavy vehicles transporting mined material.
Landscape Plan	PP to develop 7.5 meter wide green belt along the periphery in the safety zone, the mined pits will be created as water reservoirs with all necessary safety provisions.
Disaster management system and risk assessment	PP proposes to provide medical aid facility on the site. DGM approved mine manager will be appointed by the PP.
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	PP submitted EMP cost calculations at Sr. No. 51 of the Consolidated Statement.
Any other issues related to environmental sustainability	PP to ensure that only manual mining is permitted and no mechanical or other devices shall be used for the purpose. Mining / loading activity should carried out only in in day hours' time.

Brief information of the project by SEAC

PP submitted their application for prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 1.66 ha at Wagjoda gat. No. 53 (p) , Taluka Karanja (Ghadge), District Wardha.

MoEF&CC issued amendment to the EIA Notification dated 15th January, 2016 wherein stipulated the procedure to grant prior Environment Clearance to the projects of minor minerals having lease area 0-5 ha. MoEF&CC constituted District Expert Appraisal Committee (DEAC) and District Environment Impact Assessment Authority (DEIAA) for the appraisal of the proposals and grant of prior Environment Clearance at District levels.

The above referred notification dated 15th January, 2016 was challenged before the Hon'ble National Green Tribunal, Principal Bench, New Delhi vide O.A. No. 186/2016, 200/2016, 580/2016, 102/2017, 404/2016, 405/2016, 520/2016 in the case of Satendra Pandey Vs MoEF&CC, Badal Singh Vs UoI & Ors., Nature Club of Rajasthan Vs UoI & Ors., Rajeev Suri Vs UoI & Ors., Vikrant Tongad Vs UoI & Ors.

Hon'ble National Green Tribunal vide their order dated 13th September, 2018 directed MoEF&CC as below,

"to take appropriate steps to revise the procedure laid down in the impugned Notification dated 15th January, 2016."

Further the grievance on non-compliance of above order dated 13.09.2018 was brought to the notice of Hon'ble National Green Tribunal. In view of this, Hon'ble National Green Tribunal passed an order dated 11th December, 2018 with following direction,

"we also make it clear that till a fresh Notification is issued by the MoEF&CC, Notification dated 15th January, 2016 will not be acted upon."

In view of above orders of Hon'ble National Green Tribunal, New Delhi, SEAC-1 decided to appraise the proposal of stone quarry as per EIA Notification dated 14.09.2006 amended from time to time.

DECISION OF SEAC

SEAC-1 appraised the proposal on the basis of information submitted by the Project Proponent. The District Mining Officer, Wardha is present at the time of appraisal.

After detailed deliberations with the PP and officials present in the meeting, SEAC-1 decided to recommend the proposal of prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

1) PP to implement mine closure plan as approved by the competent Authority. PP to provide dry wall of around one meter along with barbed wire fencing to the mining lease area to ensure safety of animals and humans
2) PP to keep 7.5 meter free safety zone all around the proposed mine area and develop it in to the green belt during coming monsoon season.
3) PP to obtain all necessary NOC's/Permissions from the competent Authority before commencing any work on proposed site.
4) PP to ensure that, the quarrying is proposed above the level of aquifer to avoid the ground water contamination/degradation of water quality of aquifer. PP to take adequate measures/precautions to avoid contamination /degradation of ground water.
5) PP to ensure no stream is diverted due to proposed quarrying activity.
6) PP to ensure that mining/ loading activity shall be restricted to day hours' time only. No mining activity shall be carried out after sunset and before sun rise.
7) PP to provide adequate measures to ensure the stability of the benches formed during mining activity to ensure safety of the people.
8) PP to provide adequate channels to guide the rain water to reach the mined pit and to avoid any unforeseen incident.
9) PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF&CC and any other legal requirements as applicable to the proposed activity.
10) PP to ensure strict compliance of all conditions stipulated in the Environmental Clearance. The District Collector should strictly monitor the compliance of the conditions stipulated in the Environment Clearance letter.
11) PP to ensure that there is no damage to any fauna and its nesting close to the proposed mining area.
12) PP to ensure that adequate measures like maintenance of roads, sprinkling of water and plantation is carried out to reduce the dust particulate matter pollution.
13) No mining shall be carried out in the vicinity of natural/manmade archeological sites.
14) PP to ensure that parking shall not be made on Public roads. Parking shall be on pre decided place only.
15) The stone transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
16) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC on 01.05.2018.
17) District Mining Officer shall submit a certificate of nearest habitation from the proposed mine area.
18) PP to carry out multiple air monitoring on the nearest habitat and agricultural sites to ascertain the impact of air pollution due to proposed mining activity and to provide adequate mitigation measures.
19) PP proposes Jackhammer drilling in proposed quarry. The jackhammer drills produces more noise and do not have inbuilt water injection system. PP to ensure protective measures are provided to reduce noise exposure and dust emission due to drilling and blasting activity.
20) PP to provide movable toilets/ bio toilets to the workers working in the area and the sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
21) PP to provide First Aid facility at the proposed mining site.

FINAL RECOMMENDATION

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

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for Stone Quarry of Mrs. Pranita Pramod Mahalle Mauza-Kavtha,Tq Deoli,Gut No.61/2 , Dist. Wardha, Area - 1.21 Ha,GPS -20°44' 27.35

Is a Violation Case: No

1.Name of Project	Stone Quarry of Mrs. Pranita Pramod Mahalle , Mauza-Kavtha,Tq Deoli,Gut No.61/2 , Dist. Wardha
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Pranita Pramod Mahalle
4.Name of Consultant	ENVIRO TECHNO CONSULT PVT LTD. ,NAGPUR
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No.61/2
9.Taluka	Deoli
10.Village	Kavtha
Correspondence Name:	Mrs. Pranita Pramod Mahalle
Room Number:	Gut No.61/2
Floor:	Gut No.61/2
Building Name:	Gut No.61/2
Road/Street Name:	Gut No.61/2
Locality:	Kavtha
City:	Kavtha
11.Whether in Corporation / Municipal / other area	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	MINING PLAN
	IOD/IOA/Concession/Plan Approval Number: BON/MINING/MMP/215/2019/441 dated 03.04.2019
	Approved Built-up Area: 12100
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI ISSUED BY DISTRICT COLLECTOR WARDHA
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.): 12100
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: 03-04-2019
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	3000000

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)	12
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	Stone, Murrum (Minor Mineral)	0	72240 TPA / 9020 Brass per Year	72240 TPA / 9020 Brass per Year

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.540	0	0	0.540	0.540	0	0	0
Gardening	0	1.460	0	0	1.460	1.460	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	19 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	1
	Size of recharge pits :	Mine pit will act as recharge pit
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain of 1m width x 1m depth x along peripheral length is proposed along peripheral area within safety barrier as per natural drain slopes
	Quantity of storm water:	14520
	Size of SWD:	1m x1m along the peripheral length
Sewage and Waste water	**Sewage generation in KLD:**	0.40
	STP technology:	Biotoilet proposed adjacent to ML area
	Capacity of STP (CMD):	0.40
	Location & area of the STP:	Biotoilet proposed adjacent to ML area
	Budgetary allocation (Capital cost):	195000
	Budgetary allocation (O & M cost):	50000
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:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	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):**	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
	Area for the storage of waste & other material:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
	Area for machinery:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
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	0	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):	No
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	0	0	0	0	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	0	0	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	2533
	No of trees to be cut :	0
	Number of trees to be planted :	2666
	List of proposed native trees :	Neem,Bamboo ,PEEPAL tree
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	NEEM	1166	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
2	Peepal	Peepal	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
3	Bamboo	Bamboo	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR NOISE
4	Karanj	Karanj	500	HEIGHTED LEAFY TREE TO PREVENT DUST AND WILL ACT AS ATTENUATION FOR 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 :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	5 HP
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Power is required for lighting purpose only. All lights will be LED lights only of suitable wattage

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHTS WILL BE USED FOR LIGHTING	25

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DUST HAUL ROAD	Not applicable	WATER TANKER
DUST HAUL ROAD, DURING MINING OPERATIONS	Not applicable	SPRINKLERS
VEHICLES	Not applicable	WITH VALID PUC
DUST DURING MINING,TRANSPORT,LOADING	Not applicable	GREEN BELT DEVELOPMENT

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25000
	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	Particulate Matter	MAINTENANCE OF ROAD	3.70	0.50

2	Particulate Matter	GREEN BELT DEVELOPMENT	0.3350	0.25
3	Particulate Matter	TRAFFIC MANAGEMENT	0	1.20
4	Particulate Matter	DUST SUPPERESSION	0	2.40
5	Particulate Matter	HOUSEKEEPING ACTIVITIES,	0.20	0.85
6	Particulate Matter	MOINTORING OF ENV PARAMETER	0	1.0
7	SAFETY	FENCING	2.0	0.15
8	OHS	SAFETY EQUIPMENT	0.25	1.6120
9	OHS	SIX MONTHLY HEALTH CHECKUP	0	0.30
10	OHS	FACILITY OF TOILETS, FIRST AID	1.95	0.50
11	FMCP PREPAREDNESS	FMCP FUND ALLOCATION	0.	1.0
12	SAFTY	SIGNAGES	0	0.15
13	Particulate Matter	TRANSPORT CONTROL	0.20	3.115

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	0	0	0	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:	0

Parking details:	Number and area of basement:	0
	Number and area of podia:	0
	Total Parking area:	0
	Area per car:	0
	Area per car:	0
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	0
	Public Transport:	0
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	35.5 kM
	Category as per schedule of EIA Notification sheet	1a B2
	Court cases pending if any	No
	Other Relevant Informations	20°44' 27.35"N 78°22' 30.78"E
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP proposes to provide mitigation measures for dust control, vehicular emission, domestic waste water, etc.
Water Budget	PP submitted water budget calculations at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP to provide movable toilets/ bio toilets to the workers working in the mine area and sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
Drainage pattern of the project	No natural drain be diverted for the mining activity. PP to provide garland drain to collect rain water for use.
Ground water parameters	No ground water withdrawal is permitted in the proposed mine area.

Solid Waste Management	PP to ensure proper disposal of solid waste as approved by the competent Authority. No nuisance of the waste be created in and around the proposed mine area.
Air Quality & Noise Level issues	PP proposes to construct approach road, water sprinkling for the control of dust pollution. PP proposes to ensure PUC of the vehicles transporting mined material.
Energy Management	The demand for energy will be 5HP which will be supplied by MSEDCL.
Traffic circulation system and risk assessment	PP to provide adequate load baring capacity road for safe plying of the heavy vehicles transporting mined material.
Landscape Plan	PP to develop 7.5 meter wide green belt along the periphery in the safety zone, the mined pits will be created as water reservoirs with all necessary safety provisions.
Disaster management system and risk assessment	PP proposes to provide medical aid facility on the site. DGM approved mine manager will be appointed by the PP.
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	PP submitted EMP cost calculations at Sr. No. 51 of the Consolidated Statement.
Any other issues related to environmental sustainability	PP to ensure that only manual mining is permitted and no mechanical or other devices shall be used for the purpose. Mining / loading activity should carried out only in in day hours' time.

Brief information of the project by SEAC

PP submitted their application for prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 1.21 ha at Kavtha Gat. No. 61/2 , Taluka Deoli, District Wardha.

MoEF&CC issued amendment to the EIA Notification dated 15th January, 2016 wherein stipulated the procedure to grant prior Environment Clearance to the projects of minor minerals having lease area 0-5 ha. MoEF&CC constituted District Expert Appraisal Committee (DEAC) and District Environment Impact Assessment Authority (DEIAA) for the appraisal of the proposals and grant of prior Environment Clearance at District levels.

The above referred notification dated 15th January, 2016 was challenged before the Hon'ble National Green Tribunal, Principal Bench, New Delhi vide O.A. No. 186/2016, 200/2016, 580/2016, 102/2017, 404/2016, 405/2016, 520/2016 in the case of Satendra Pandey Vs MoEF&CC, Badal Singh Vs UoI & Ors., Nature Club of Rajasthan Vs UoI & Ors., Rajeev Suri Vs UoI & Ors., Vikrant Tongad Vs UoI & Ors.

Hon'ble National Green Tribunal vide their order dated 13th September, 2018 directed MoEF&CC as below,

"to take appropriate steps to revise the procedure laid down in the impugned Notification dated 15th January, 2016."

Further the grievance on non-compliance of above order dated 13.09.2018 was brought to the notice of Hon'ble National Green Tribunal. In view of this, Hon'ble National Green Tribunal passed an order dated 11th December, 2018 with following direction,

"we also make it clear that till a fresh Notification is issued by the MoEF&CC, Notification dated 15th January, 2016 will not be acted upon."

In view of above orders of Hon'ble National Green Tribunal, New Delhi, SEAC-1 decided to appraise the proposal of stone quarry as per EIA Notification dated 14.09.2006 amended from time to time.

DECISION OF SEAC

SEAC-1 deliberated the issue at length with the PP and their consultants. SEAC went through various notifications issued by MoEF&CC dated 14th September, 2006, 15th January, 2016, and 14th August, 2018 with respect to the procedure prescribed for appraisal of proposal of minor minerals and decided to appraise the proposals subject to the decision of Hon'ble National Green Tribunal, Principal Bench, New Delhi in the matters referred above.

SEAC-1 appraised the proposal on the basis of information submitted by the Project Proponent. The concern District Mining Officer from Wardha District was present for the meeting.

After detailed deliberations with the PP and officials present in the meeting, SEAC-1 decided to recommend the proposal of prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

1) PP to implement mine closure plan as approved by the competent Authority. PP to provide dry wall of around one meter along with barbed wire fencing to the mining lease area to ensure safety of animals and humans.
2) PP to keep 7.5 meter free safety zone all around the proposed mine area and develop it in to the green belt during coming monsoon season.
3) PP to obtain all necessary NOC's/Permissions from the competent Authority before commencing any work on proposed site.
4) PP to ensure that, the quarrying is proposed above the level of aquifer to avoid the ground water contamination/degradation of water quality of aquifer. PP to take adequate measures/precautions to avoid contamination /degradation of ground water.
5) PP to ensure no stream is diverted due to proposed quarrying activity.
6) PP to ensure that mining/ loading activity shall be restricted to day hours' time only. No mining activity shall be carried out after sunset and before sun rise.
7) PP to provide adequate measures to ensure the stability of the benches formed during mining activity to ensure safety of the people.
8) PP to provide adequate channels to guide the rain water to reach the mined pit and to avoid any unforeseen incident.
9) PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF&CC and any other legal requirements as applicable to the proposed activity.
10) PP to ensure strict compliance of all conditions stipulated in the Environmental Clearance. The District Collector should strictly monitor the compliance of the conditions stipulated in the Environment Clearance letter.
11) PP to ensure that there is no damage to any fauna and its nesting close to the proposed mining area.
12) PP to ensure that adequate measures like maintenance of roads, sprinkling of water and plantation is carried out to reduce the dust particulate matter pollution.
13) No mining shall be carried out in the vicinity of natural/manmade archeological sites.
14) PP to ensure that parking shall not be made on Public roads. Parking shall be on pre decided place only.
15) The stone transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
16) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC on 01.05.2018.
17) PP to appoint qualified fore man as a Mine Manager approved by Director General of Mines to ensure safety of the staff/labors appointed at mine site.
18) PP to prepare adequate capacity approach roads to the proposed mine area so as to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident.
19) District Mining Officer shall submit a certificate of nearest habitation from the proposed mine area.
20) PP to carry out multiple air monitoring on the nearest habitat and agricultural sites to ascertain the impact of air pollution due to proposed mining activity and to provide adequate mitigation measures.
21) PP proposes Jackhammer drilling in proposed quarry. The jackhammer drills produces more noise and do not have inbuilt water injection system. PP to ensure protective measures are provided to reduce noise exposure and dust emission due to drilling and blasting activity.
22) PP to provide movable toilets/ bio toilets to the workers working in the area and the sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
23) PP to provide First Aid facility at the proposed mining site.

FINAL RECOMMENDATION

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

166th Meeting of State Level Expert Appraisal Committee (SEAC-1) (Day - 1)

SEAC Meeting number: 166 **Meeting Date** May 27, 2019

Subject: Environment Clearance for PRIOR ENVIRONMENTAL CLEARANCE FOR STONE QUARRY – 1.18 ha GUT NO 304/1 FOR 29 BRASS PER DAY VILLAGE - YESEMBA, TALUKA –WARDHA DISTRICT – WARDHA OF MR RITESH CHANDAK ,20°38'39.16

Is a Violation Case: No

1.Name of Project	PRIOR ENVIRONMENTAL CLEARANCE FOR STONE QUARRY – 1.18 ha GUT NO 304/1 FOR 29 BRASS PER DAY VILLAGE - YESEMBA, TALUKA –WARDHA DISTRICT – WARDHA OF MR RITESH CHANDAK
2.Type of institution	Private
3.Name of Project Proponent	RITESH K. CHANDAK
4.Name of Consultant	ENVIRO TECHNO CONSULT PVT LTD NAGPUR
5.Type of project	Mining of Minor Minerals
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	304/1
9.Taluka	WARDHA
10.Village	YESEMBA
Correspondence Name:	RITESH K CHANDAK
Room Number:	1
Floor:	1
Building Name:	GUT NO 304/1
Road/Street Name:	YESEMBA
Locality:	YESEMBA
City:	WARDHA
11.Whether in Corporation / Municipal / other area	GRAMPANCHAYAT
12.IOD/IOA/Concession/Plan Approval Number	Ka Kra Li/Gau Kha/Kavi-100/19 dated 20/02/2019
	IOD/IOA/Concession/Plan Approval Number: Ka Kra Li/Gau Kha/Kavi-100/19 dated 20/02/2019
	Approved Built-up Area: 11800
13.Note on the initiated work (If applicable)	NOT APPLICABLE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	BON/MINING/MMP/215/2019/591
15.Total Plot Area (sq. m.)	11800
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.): 11800
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: 17-05-2019
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	3500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	0	0

23.Number of tenants and shops	0
24.Number of expected residents / users	0
25.Tenant density per hectare	0
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6
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	Stone, Murrum (Minor Mineral)	0	68612 TPA / 8567 BRASS PER YEAR	68612 TPA / 8567 BRASS PER YEAR

32.Total Water Requirement

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

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	18
	Size and no of RWH tank(s) and Quantity:	MINE PIT WILL ACT AS RECHARGE PIT
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	01
	Size of recharge pits :	Mine pit will act as recharge pit
	Budgetary allocation (Capital cost) :	50000
	Budgetary allocation (O & M cost) :	10000
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	trom water drain of 1m width x 1m depth x along peripheral length is proposed along peripheral area with safty barrier as per natrual drain slope
	Quantity of storm water:	12980 CUM
	Size of SWD:	1m x 1m along the peripheral length
Sewage and Waste water	**Sewage generation in KLD:**	0.250
	STP technology:	BIOTOILETS WILL BE PROVIDED
	Capacity of STP (CMD):	0.40 KLD
	Location & area of the STP:	WITHIN SAFETY BARRIER OF 7.5M OF ML
	Budgetary allocation (Capital cost):	195000
	Budgetary allocation (O & M cost):	50000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NO WASTE WILL BE GENERATED DURING CONSTRUCTION PERIOD BEING MINING PROJECT
	Disposal of the construction waste debris:	NOT APPLICABLE
Waste generation in the operation Phase:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	Wet waste:	0
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	NOT APPLICABLE

Mode of Disposal of waste:	**Dry waste:**	Being Minor Mineral all the mined out material is saleable/usable. Top Soil layer is very thin and negligible and will be utilized for peripheral plantation proposed within safetyb barrier
	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):**	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
	Area for the storage of waste & other material:	Not Applicable, being all material is saleable/usable and stock will be temporary in natutre within lease hold area.
	Area for machinery:	Not Applicable..
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0
	O & M cost:	0

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):	0
Capacity of the ETP:	0
Amount of treated effluent recycled :	0
Amount of water send to the CETP:	0
Membership of CETP (if require):	NOT APPLICABLE
Note on ETP technology to be used	NOT APPLICABLE
Disposal of the ETP sludge	NOT APPLICABLE

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	0	0	0	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	0	0	0

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NOT APPLICABLE	0	0	0

41.Source of Fuel	NOT APPLICABLE
42.Mode of Transportation of fuel to site	NOT APPLICABLE

43.Green Belt Development	**Total RG area :**	2635
	No of trees to be cut :	0
	Number of trees to be planted :	2660
	List of proposed native trees :	NEEM,PEEPAL, BAMBOO,KARANJ
	Timeline for completion of plantation :	5 YEARS

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	NEEM	1000	LEAFY TALL TREE TO PREVENT DUST CONTROLAND WILL ACT AS ATTENUATION FOR NOISE
2	PEEPAL	PEEPAL	1000	LEAFY TALL TREE TO PREVENT DUST CONTROLAND WILL ACT AS ATTENUATION FOR NOISE
3	KARANJ	KARANJ	660	LEAFY TALL TREE TO PREVENT DUST CONTROL
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	NOT APPLICABLE	NOT APPLICABLE	0

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	0
	DG set as Power back-up during construction phase	0
	During Operation phase (Connected load):	5 HP
	During Operation phase (Demand load):	5 HP
	Transformer:	NOT APPLICABLE
	DG set as Power back-up during operation phase:	NOT APPLICABLE
	Fuel used:	NOT APPLICABLE
	Details of high tension line passing through the plot if any:	NOT APPLICABLE

48.Energy saving by non-conventional method:

Power is required for lighting purpose only. All lights will be LED lights only of suitable wattage

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LIGHTS WILL BE USED FOR LIGHTING	35

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DUST FROM HAUL ROAD	Not Applicable	WATER TANKER
DUST HAUL ROAD, DURING MINING OPERATIONS	Not Applicable	COMPACTION AND GRADATION SPRINKLERS
VEHICLES	Not Applicable	WITH VALID PUC
DUST DURING MINING TRANSPORTATION HANDLING	Not Applicable	GREEN BELT DEVELOPMENT

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	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	PARTICULATE MATTER	MAINTENANCE OF ROAD	2.3	0.50
2	PARTICULATE MATTER	GREEN BELT DEVELOPMENT	0.33	0.25
3	PARTICULATE MATTER	TRAFFIC MANAGEMENT	0	1.20
4	PARTICULATE MATTER	DUST SUPPRESSION	0	2.40
5	PARTICULATE MATTER	HOUSEKEEOING ACTIVITIES	0.20	0.60
6	PARTICULATE MATTER	MONITORING OF ENV PARAMETER	0	1
7	SAFETY	FENCING	1.5	0.15
8	OHS	SAFETY EQUIPMENTS	0.10	1.5
9	OHS	SIX MONTHLY HEALTH CHECK UP	0	0.30
10	OHS	FACILITY FOR TOILETS, FIRST AID	1.95	0.80
11	FMCP PREPAREDNESS	FMCP FUND ALLOCATION YERAWISE	0	1
12	SAFETY	SIGNAGES AND BOARDS	0	0.15

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	0	0	0	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:	0

Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	0
	Area per car:	0
	Area per car:	0
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	0
	Public Transport:	0
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NOT APPLICABLE
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	BHOR TIGER RESERVE 34 KM N
	Category as per schedule of EIA Notification sheet	1AB2
	Court cases pending if any	NO
	Other Relevant Informations	LOCATION LATITUDE LONGITUDE GPS-1 20°38'39.16"N 78°44'33.15"E GPS-2 20°38'39.43"N 78°44'29.67"E GPS-3 20°38'42.68"N 78°44'30.00"E GPS-4 20°38'43.54"N 78°44'31.50"E GPS-5 20°38'43.92"N 78°44'33.19"E
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP proposes to provide mitigation measures for dust control, vehicular emission, domestic waste water, etc.
Water Budget	PP submitted water budget calculations at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP to provide movable toilets/ bio toilets to the workers working in the mine area and sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
Drainage pattern of the project	No natural drain be diverted for the mining activity. PP to provide garland drain to collect rain water for use.

Ground water parameters	No ground water withdrawal is permitted in the proposed mine area.
Solid Waste Management	PP to ensure proper disposal of solid waste as approved by the competent Authority. No nuisance of the waste be created in and around the proposed mine area.
Air Quality & Noise Level issues	PP proposes to construct approach road, water sprinkling for the control of dust pollution. PP proposes to ensure PUC of the vehicles transporting mined material.
Energy Management	The demand for energy will be 5HP which will be supplied by MSEDCL.
Traffic circulation system and risk assessment	PP to provide adequate load baring capacity road for safe plying of the heavy vehicles transporting mined material.
Landscape Plan	PP to develop 7.5 meter wide green belt along the periphery in the safety zone, the mined pits will be created as water reservoirs with all necessary safety provisions.
Disaster management system and risk assessment	PP proposes to provide medical aid facility on the site. DGM approved mine manager will be appointed by the PP.
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	PP submitted EMP cost calculations at Sr. No. 51 of the Consolidated Statement.
Any other issues related to environmental sustainability	PP to ensure that only manual mining is permitted and no mechanical or other devices shall be used for the purpose. Mining / loading activity should carried out only in in day hours' time.

Brief information of the project by SEAC

PP submitted their application for prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 1.18 ha at Yesemba Gat. No. 304/1 , Taluka & District Wardha.

MoEF&CC issued amendment to the EIA Notification dated 15th January, 2016 wherein stipulated the procedure to grant prior Environment Clearance to the projects of minor minerals having lease area 0-5 ha. MoEF&CC constituted District Expert Appraisal Committee (DEAC) and District Environment Impact Assessment Authority (DEIAA) for the appraisal of the proposals and grant of prior Environment Clearance at District levels.

The above referred notification dated 15th January, 2016 was challenged before the Hon'ble National Green Tribunal, Principal Bench, New Delhi vide O.A. No. 186/2016, 200/2016, 580/2016, 102/2017, 404/2016, 405/2016, 520/2016 in the case of Satendra Pandey Vs MoEF&CC, Badal Singh Vs UoI & Ors., Nature Club of Rajasthan Vs UoI & Ors., Rajeev Suri Vs UoI & Ors., Vikrant Tongad Vs UoI & Ors.

Hon'ble National Green Tribunal vide their order dated 13th September, 2018 directed MoEF&CC as below,

"to take appropriate steps to revise the procedure laid down in the impugned Notification dated 15th January, 2016."

Further the grievance on non-compliance of above order dated 13.09.2018 was brought to the notice of Hon'ble National Green Tribunal. In view of this, Hon'ble National Green Tribunal passed an order dated 11th December, 2018 with following direction,

"we also make it clear that till a fresh Notification is issued by the MoEF&CC, Notification dated 15th January, 2016 will not be acted upon."

In view of above orders of Hon'ble National Green Tribunal, New Delhi, SEAC-1 decided to appraise the proposal of stone quarry as per EIA Notification dated 14.09.2006 amended from time to time.

DECISION OF SEAC

SEAC-1 deliberated the issue at length with the PP and their consultants. SEAC went through various notifications issued by MoEF&CC dated 14th September, 2006, 15th January, 2016, and 14th August, 2018 with respect to the procedure prescribed for appraisal of proposal of minor minerals and decided to appraise the proposals subject to the decision of Hon'ble National Green Tribunal, Principal Bench, New Delhi in the matters referred above.

SEAC-1 appraised the proposal on the basis of information submitted by the Project Proponent. The District Mining Officer,Wardha District was present for the meeting.

After detailed deliberations with the PP and officials present in the meeting, SEAC-1 decided to recommend the proposal of prior Environment Clearance subject to the following conditions.

Specific Conditions by SEAC:

1) PP to implement mine closure plan as approved by the competent Authority. PP to provide dry wall of around one meter along with barbed wire fencing to the mining lease area to ensure safety of animals and humans.
2) PP to keep 7.5 meter free safety zone all around the proposed mine area and develop it in to the green belt during coming monsoon season.
3) PP to obtain all necessary NOC's/Permissions from the competent Authority before commencing any work on proposed site.
4) PP to ensure that, the quarrying is proposed above the level of aquifer to avoid the ground water contamination/degradation of water quality of aquifer. PP to take adequate measures/precautions to avoid contamination /degradation of ground water.
5) PP to ensure no stream is diverted due to proposed quarrying activity.
6) PP to ensure that mining/ loading activity shall be restricted to day hours' time only. No mining activity shall be carried out after sunset and before sun rise.
7) PP to provide adequate measures to ensure the stability of the benches formed during mining activity to ensure safety of the people.
8) PP to provide adequate channels to guide the rain water to reach the mined pit and to avoid any unforeseen incident.
9) PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF&CC and any other legal requirements as applicable to the proposed activity.
10) PP to ensure strict compliance of all conditions stipulated in the Environmental Clearance. The District Collector should strictly monitor the compliance of the conditions stipulated in the Environment Clearance letter.
11) PP to ensure that there is no damage to any fauna and its nesting close to the proposed mining area.
12) PP to ensure that adequate measures like maintenance of roads, sprinkling of water and plantation is carried out to reduce the dust particulate matter pollution.
13) No mining shall be carried out in the vicinity of natural/manmade archeological sites.
14) PP to ensure that parking shall not be made on Public roads. Parking shall be on pre decided place only.
15) The stone transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
16) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC on 01.05.2018.
17) PP to appoint qualified fore man as a Mine Manager approved by Director General of Mines to ensure safety of the staff/labors appointed at mine site
18) PP to prepare adequate capacity approach roads to the proposed mine area so as to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident.
19) District Mining Officer shall submit a certificate of nearest habitation from the proposed mine area.
20) PP to carry out multiple air monitoring on the nearest habitat and agricultural sites to ascertain the impact of air pollution due to proposed mining activity and to provide adequate mitigation measures.
21) PP proposes Jackhammer drilling in proposed quarry. The jackhammer drills produces more noise and do not have inbuilt water injection system. PP to ensure protective measures are provided to reduce noise exposure and dust emission due to drilling and blasting activity.
22) PP to provide movable toilets/ bio toilets to the workers working in the area and the sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
23) PP to provide First Aid facility at the proposed mining site.

FINAL RECOMMENDATION

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