165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for Proposed Common Biomedical Waste Treatment Facility

Is a Violation Case: No

1.Name of Project	Proposed Common Biomedical Waste Treatment Facility by Kolhapur Municipal Corporation and SS Services (Capacity: Incinerator- 250 Kgs/hr, Autoclave- 150 Kgs/hr and Shredder- 100 Kgs/Hr)
2.Type of institution	Government
3.Name of Project Proponent	Kolhapur Municipal Corporation (Owner) and SS Services (Operator)
4.Name of Consultant	SMS Envocare Ltd. Pune
5.Type of project	Other (Proposed Common Biomedical Waste Treatment Facility)
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	C.S. No. 29, Kasba Bavda Kolhapur
9.Taluka	Karveer
10.Village	Kasba Bavda
Correspondence Name:	Mr. Vijay Patil, Health Officer, Kolhapur Municipal Corporation and Abhay kumar Bandu Birnale, Partner, SS Services
Room Number:	814/2/1
Floor:	4th Floor
Building Name:	SHAHIN
Road/Street Name:	Jamadar colony
Locality:	Behind Circuit House
City:	Kolhapur
11.Area of the project	Kolhapur Municipal Corporation area
12.IOD/IOA/Concession/Plan Approval Number	Total 4000 m2 of land has been identified for the facility. Approx. 1 Acer land is already acquired. This is a part of land reserved by KMC for Civic amenities in Municipal Solid Waste handling reserve area.
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 4000
13.Note on the initiated work (If applicable)	No any work is initiated. Existing facility will be removed by existing operator. New facility will be developed after securing Environmental Clearance as per EIA Notification 2006 and amendment dated 17th April,
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1 acre
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.): 4000
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 01-12-2018
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	31000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable as this is CBWTF	Not applicable as this is CBWTF	Not applicable as this is CBWTF
2	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable as this is CBWTF
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)	6 Meter wide road with 7.5 m turning radius
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As above
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	Not applicable as this is CBWTF	Not applicable as this is CBWTF	Not applicable as this is CBWTF	Not applicable as this is CBWTF

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	13
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	13
	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):	13
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	13
	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	NA	1.5	1.5	NA	0.5	0.5	NA	1.0	1.0
Industrial Process	NA	8.0	8.0	NA	4.0	4.0	NA	4.0	4.0
Gardening	NA	2.0	2.0	NA	0.0	0.0	NA	0.0	0.0
Fresh water requirement	NA	1.5	1.5	NA	0.5	0.5	NA	1.3	1.3

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 m
	Size and no of RWH tank(s) and Quantity:	4x4 (16 m2)
	Location of the RWH tank(s):	North side of plant within RG area
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Included in total project cost
	Budgetary allocation (O & M cost) :	As above
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage if from South direction to North direction towards Panchganga River
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	1.0
	STP technology:	Sewage connected to ETP for treatment
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Waste, debris and domestic waste during construction phase of the project
	Disposal of the construction waste debris:	Construction waste shall be managed as per Construction & Demolition Waste Management Rule, 2016. Domestic solid waste shall be segregated into organic and inorganic waste. Organic waste shall be managed by composting. Inorganic waste shall be given to Authorized agency appointed KMC.
Waste generation in the operation Phase:	**Dry waste:**	During operation phase 30 persons will be engaged in operation phase and approx. 35 kg/day municipal solid waste is generated.
	Wet waste:	Small quantity of wet waste shall be generated.
	Hazardous waste:	Incineration ash- 100-200 kg/day, Residue Waste- 20-30 kg/day, ETP Sludge-100-125 Kg/month shall be generated.
	Biomedical waste (If applicable):	Biomedical waste may be generated in case of causality.
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Domestic solid waste shall be segregated into organic and inorganic waste. Organic waste shall be managed by composting. Inorganic waste shall be given to Authorized agency appointed KMC.
	Wet waste:	Small quantity of wet waste shall be generated which will be mostly organic and will be manage by composting/Can be send to Authorized agency appointed KMC.
	Hazardous waste:	Hazardous waste will be sent to nearest CHWTSDF located at Ranjangaon MIDC, Taluka Shirur, District Pune MH. Agreement will be made for the same. All generated hazardous waste shall be disposed as per Hazardous and Other Waste (Management and Trans -boundary movement) Rule 2016, Biomedical Waste Management Rule, 2016 or as per direction of MPCB.
	Biomedical waste (If applicable):	BBiomedical waste Shall be managed as per Biomedical Waste Management Rule, 2016. As this is a CBWTF so in house Biomedical waste can be managed within the unit.
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Total 4000 m2 of land has been identified for the facility. Approx. 1 Acer land is already acquired. This is a part of land reserved by KMC for Civic amenities in Municipal Solid Waste handling reserve area.
	Area for the storage of waste & other material:	Separate space has been provided in the layout for storage of Waste, Ash and other material.
	Area for machinery:	Area for machinery has been demarcated as per Revised Guidelines of CPCB for Establishment of Common Biomedical Waste Management Facility
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in total cost of the project
	O & M cost:	As above

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7-8.5	6.5-9.0	6.5-9.0
2	Oil & Grease	mg/l	20 to 30	10	10
3	BOD (3 days 27 oC)	mg/l	300 to 400	30	30
4	COD	mg/l	1500-2000	250	250
5	TSS	mg/l	1000-1200	100	100
6	TDS	mg/l	-	2100	2100

Amount of effluent generation (CMD):	6.3 KLD
Capacity of the ETP:	8.0 KLD
Amount of treated effluent recycled :	3-4 KLD
Amount of water send to the CETP:	Not applicable as treated effluent shall be mnaged within the unit and no waste water will be discharge out side from the plant premises.
Membership of CETP (if require):	Not applicable

Note on ETP technology to be used	Total water requirement of the proposed project is 13 CMD which is supplied from Kolhapur Municipal Corporation. Total 6.3 CMD of Effluent shall be generated from the proposed project. Looking to the quantity of effluent, an Effluent Treatment Plant of 8.0 CMD capacity has been proposed to treat the effluent considering 15% freeboard of wastewater generation. Treated effluent shall be used back to the treatment process of unit and excess water shall be used for plantation, water sprinkling and o
Disposal of the ETP sludge	125-145 kg/ day or dry sludge shall be generated. The same shall be send to nearest CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	HW CAT No. 34.2	MT/year	NA	52.93	52.93	Sent to CHWTSDF
2	Incineration Ash	BMW Cat. No.9	MT/year	NA	83.95	83.95	Sent to 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	Incinerator	HSD	1	30	0.40	85.0
2	DG Sets	HSD	1	7.9	0.076	163.0

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	AS per requirement	As per Requirement
41.Source of Fuel		Local market		
42.Mode of Transportation of fuel to site		By local road		

43.Green Belt Development	**Total RG area :**	Total 2037.33 (50%) of total area shall be secured for Green Belt Development.
	No of trees to be cut :	No any tree will be removed
	Number of trees to be planted :	Total 350 plant (Tree-250 & Shrubs-100) will be planted including ground flora.
	List of proposed native trees :	Terminalia arjuna, Terminalia elliptica, Millingtonia hortensis, Tamarindus indica, Azadirachta indica, Bauhinia purpurea, Erythrina indica, Ficus glomerata, Michelia champaca, Polyalthia longifolia, Butea monosperma, Dalbergia sissoo, Cassia fistula, Alstonia scholaris, Holoptelea integrifolia, Allamanda cathartica etc. shall be planted.
	Timeline for completion of plantation :	Total 350 Plant species (Tree-250 & Shrubs-100) will be planted in entire 4 year plantation programs. Required nutrients/water/manure and protection mess shall be provided. Ground flora will also be developed in open area

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	Terminalia arjuna	Arjuna	30	Reduce Noise Pollution
2	Albizia lebbeck	Fry wood	20	Sulphur Dioxide Absorbing species
3	Azadira chtaindica	Neem	20	Sulphur Dioxide Absorbing species

4	Polyalthia longifolia	Ashoka	30	Sulphur Dioxide Absorbing species
5	Grevillea ptehdifolia	Silky grevillea	20	Reduce Noise Pollution
6	Lagerstroemia flosreginae	Pride of India	30	Suspended Pollutant controlling Plant/Other Ornamental plant
7	Anthocephalus cadamba	Kadam	30	Suspended Pollutant controlling Plant/Other Ornamental plant
8	Bauhinia purpurea	Orchid Tree	30	Suspended Pollutant controlling Plant/Other Ornamental plant
9	Cassia fistula	Golden Shower tree	20	Suspended Pollutant controlling Plant/Other Ornamental plant
10	Michelia champaca	Orange champak	20	Suspended Pollutant controlling Plant/Other Ornamental 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	Shrubs species shall be planted as per availability of area	Shrubs species shall be planted as per availability of area	Shrubs species shall be planted as per availability of area

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Corporation Limited (MSEDCL) & DG Sets in case of emergency shutdown
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Total electricity requirement of the project is about 79.39 KVA. Required power will be sourced from Maharashtra State Electricity Distribution Corporation Limited (MSEDCL).
	During Operation phase (Demand load):	as above
	Transformer:	Required facility shall be provided to be connected with MSEDCL line
	DG set as Power back-up during operation phase:	DG set of 30 KVA (3 phase).
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Solar panels shall be installed in the gate and boundary of the facility which will reduce to consumption of electricity.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As above	As above

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Emission from Construction. Construction waste, dust emission during transportation of construction material, Noise pollution etc.. Incineration ash, emission from stack, Effluent generation and residue from the treatment and few quantity of Domestic waste shall be generated.	NA	Construction waste shall be managed as per C & D Management rule, 2016. All hazardous waste shall be managed as per Hazardous and Other waste (Management and Trans boundary) Rule, 2016. Solid Waste Shall be managed as per Solid Waste Management Rule, 2016. Incineration ash shall be stored and sent to CHWTSDF. Effluent Treatment Plant has been proposed for Effluent. The gases after being burnt at 1050°C shall be run into multi cyclone and a venturi scrubber followed by a flooded scrubber with mis

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in Project cost
	O & M cost:	As above

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 management	Regular water sprinkling and closed transportation of construction material etc	1.50
2	Water Pollution management	Supply of drinking water & arrangement of modular toilets	1.0
3	Solid & Haz. Waste Management	Storage and proper disposal of Solid waste, Haz. Waste, construction waste and other waste	2.0
4	Occupational health & Safety	Providing of PPEs, fire safety arrangements, first-aid facility	2.0
5	Others	Other as per requirement	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Management including instrumentation	Air Pollution Management including instrumentation. Water sprinkling etc.	5.0	3.0

2	Water and Waste water management	Effluent Treatment Plant, Arrangement for drinking water	5.0	4.0
3	Solid and hazardous waste management	Disposal of Hazardous waste management. Separate storage arrangement etc.	30.0	5.0
4	Greenbelt Development	Two tier plantations shall be developed including planting of Big, Medium Trees and shrubs and maintenance	15.0	5.0
5	Environmental Monitoring & Analysis	Arrangement for monitoring, Portable instruments purchases, regular monitoring etc.	5.0	8.0
6	Miscellaneous	Miscellaneous	0.0	2.0

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
Necessary arrangement has been provided to store the Incineration ash, ETP Sludge and Waste collected from Medical units.	Included in the design of unit	Within plant	As per requirement	As per Guidelines	As per requirement	Local market	By road transport

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Necessary arrangement for Internal road i.e. 6.0 m width with 7.5 m turning radius have been provided. Parking for 4 wheeler & two wheeler has also provided.

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Total 180 sq.m area has been provide as parking area.
	Area per car:	As above
	Area per car:	As above
	Number of 2-Wheelers as approved by competent authority:	As above
	Number of 4-Wheelers as approved by competent authority:	As above
	Public Transport:	Not involved
	Width of all Internal roads (m):	Minimum 6.0 m with 7.5 m of turning radius.
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No any National Park, Wild Life Sanctuary, Biosphere reserve present within the 10 km radius area from project site
	Category as per schedule of EIA Notification sheet	Category 7 (da) “Biomedical Waste Treatment Facilities” as per Amendment dated 17th April, 2015 of EIA Notification, 2006
	Court cases pending if any	No
	Other Relevant Informations	KMC has decided total 7 routs to cover the BMW generated from Kolhapur area. Total 8 vehicles have been provided. Out of 8 vehicles; 7 vehicles are operated for different routes and 1 vehicle is kept for standby. Details of the same are given in Revised EIA/EMP report and also in compliance of 158th (B) SEAC-I committee meeting date 4th January, 2019. Bar code system will be adopted in compliance to the BMWM Rules, 2016 by the Occupier as well as Operator of a CBWTF which helps in (i) tracking of waste from source of generation to final destination for final treatment and disposal; (ii) identification of waste in the event of source of generation in case waste is disposed of improperly; and (iii) Helps in quantification of bio-medical waste generated, colour coding-wise waste handed over to the CBWTF operator by the Occupier, for further treatment and disposal in accordance with the BMWM Rules, 2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-11-2018

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 obtained ToR in 130th meeting of SEAC-1 held on 1-2nd July, 2106. The proposal was considered again in 142nd meeting held on 13th September, 2017 wherein SEAC asked to conduct Public Hearing as per EIA Notification, 2006 and submit reprot along with

PP submitted EIA/EMP report along with Public Consultation report for appraisal in the 158th meeting held on 04.01.2019 wherein the proposal was deferred till compliance of the following points.

1. 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.

2. PP to submit their alternate plan for the treatment and disposal of biomedical waste generated in their jurisdiction during the period of construction and commissioning of the proposed plant.

3. PP to submit revised water balance calculations and effleunt geenration calculations with respect to the capacity of Effluent Treatment Plant.

4. PP to collect samples from upstram and downstream of the river Panchaganga as baseline data and include the same in the EIA reprot.

5. PP to take utmost care to comply with the applicable regulations for the treatment and disposal of Municipal Solid Waste, Sewage Treatment etc. to avoid nuisence to the people residing nearby; PP to include same in the EIA reprot.

6. PP to submit detailed plan for redressal of various issues riased by the public during Public Consultation process. PP shall make necessary provision of funds required for this purpose and include cost in the EMP.

7. PP to include above points in the EIA/EMP and submit revised EIA/EMP report.

Now PP submitted compliacne of the above points.

DECISION OF SEAC

During deliberations it was observed that, PP has not submitted satisfactory compliacne raised during last meeting.

Hence, SEAC-1 decided to defer the proposal till PP submits revised compliacne as mentioned above. PP shall submit action plan to comply with the provisions of the Bio Medical Waste Management Rules, 2016.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

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

Is a Violation Case: No

1.Name of Project	M/s. Arjun Food Colorants Manufacturing Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bipin M. Manek (Chairman & Managing Director)
4.Name of Consultant	Equinox Environments (India) Private Limited
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Food Colours, Lake Colours and Sulphanilic Acid Manufacturing unit by M/s. Arjun Food Colorants Manufacturing Private Limited (New Project)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. 22/1-B, MIDC Industrial Area, P.O. Dhatav, Taluka: Roha, District: Raigad, State: Maharashtra
9.Taluka	Roha
10.Village	Dhatav
Correspondence Name:	M/s. Arjun Food Colorants Manufacturing Private Limited
Room Number:	Plot No. 22/1-B
Floor:	NA
Building Name:	NA
Road/Street Name:	MIDC Dhatav
Locality:	Dhatav, Roha
City:	Roha
11.Area of the project	NA
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 9142
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	17990 m2
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 9142
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-02-2018
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	85000000

22.Number of buildings & its configuration

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

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

31.Production Details

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

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

32.Total Water Requirement

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

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	0.0	10	10	0.0	2	2	0.0	8	8
Industrial Process	0.0	229	229	0.0	15	15	0.0	174	174
Cooling tower & thermopack	0.0	125	125	0.0	120	120	0.0	5	5
Gardening	0.0	15	15	0.0	0.0	0.0	0.0	15	15

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	Total Rain Water Harvesting Quantity (Roof Top Area) - 8467.20 m3
	Location of the RWH tank(s):	Refer Plot Layout Plan for Location of the RWH Tank (Appendix - A in EIA Report)
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	NA
	Size of SWD:	NA

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

36.Solid waste Management

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

37.Effluent Charecterestics

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

2	COD	mg/lit	9200	< 150	250
3	BOD	mg/lit	1850	< 80	30
4	TDS	mg/lit	125000	< 2100	2100
5	SS	mg/lit	760	< 100	--

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (4 TPH)	Imported Coal (15 MT/Day)	1	30	0.4	--
2	Thermic Fluid Heater (10 lakh Kcal/hr)	Imported Coal (6 MT/Day)	1	30	0.35	--
3	Thermic Fluid Heater (4 lakh Kcal/hr)	Imported Coal (2.5 MT/Day)	1	30	0.25	--
4	DG Set (500 KVA)	HSD (100 lit/Hr)	1	5 (ARL)	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA

41.Source of Fuel	From local Vendors
42.Mode of Transportation of fuel to site	Through Trucks by road

43.Green Belt Development	**Total RG area :**	2919.84 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	500
	List of proposed native trees :	No fruit bearing trees to be planted in the green belt or horticulture undertaken to avoid possible harmful chemical contamination and bioaccumulation. Indigenous evergreen, semi evergreen tree species with broad leaves are to be selected for environmental pollution control purpose and not for beautification purpose. Monoculture to be avoided by planting suitable mixed tree species in the green belt.
	Timeline for completion of plantation :	3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	No fruit bearing trees to be planted in the green belt or horticulture undertaken to avoid possible harmful chemical contamination and bioaccumulation. Indigenous evergreen, semi evergreen tree species with broad leaves are to be selected for environmental pollution control purpose and not for beautification purpose. Monoculture to be avoided by planting suitable mixed tree species in the green belt.	No fruit bearing trees to be planted in the green belt or horticulture undertaken to avoid possible harmful chemical contamination and bioaccumulation. Indigenous evergreen, semi evergreen tree species with broad leaves are to be selected for environmental pollution control purpose and not for beautification purpose. Monoculture to be avoided by planting suitable mixed tree species in the green belt.	500	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Board (MSEB)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1 MW
	During Operation phase (Demand load):	1 MW
	Transformer:	NA
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	APC Equipment in the form of Pulse Jet type Bag Filter, Stacks, Scrubber	50	10
2	Water Pollution Control	ETP comprising of MEE, CPU, STP & allied Infrastructure	150	25
3	Noise Pollution Control	Noise level Management	2	0.75
4	Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring	20	10
5	Green Belt Development	Green Belt Development	5	2
6	CSR Activities for next Five years	CSR Activities for next Five years	42	--

51.Storage of chemicals (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
Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report	Refer Chapter 7 of EIA Report

52.Any Other Information

No Information Available

53.Traffic Management

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

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

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

DECISION OF SEAC

PP remained absent.

Hence, deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for Schedule 5(f), Synthetic Organic Chemical Industries, 'B' Category

Is a Violation Case: No

1.Name of Project	Manufacturing of Dye & Dye Intermediates
2.Type of institution	Private
3.Name of Project Proponent	M/s. Indychem Industries
4.Name of Consultant	M/s. Green Circle, Inc.
5.Type of project	Industrial project at MIDC Taloja area
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project (Product mix)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance was not requisite for mixing and blending of dye-stuff & pigments. CTE and CTO was obtained from Maharashtra Pollution Control Board (MPCB)
8.Location of the project	Plot. No. J-30/1, MIDC Industrial area Taloja
9.Taluka	Panvel
10.Village	Taloja
11.Area of the project	Maharashtra Industrial Development Corporation (MIDC), Taloja
12.IOD/IOA/Concession/Plan Approval Number	Plant approval from MIDC, Taloja
	IOD/IOA/Concession/Plan Approval Number: Plant approval subject to office letter No. SPA/TLJ/A27958 dated 24.01.2014
	Approved Built-up Area: 786.20
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.)	1200 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.): 786.20 Sq. m
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	38400000

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)	25 m
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	Existing industry (as per CTO)
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	Mixing & Blending of Pigments & Paints-By dry process	50	0	50
2	Mixing & Blending of Pigments & Paints-By Wet process	50	0	50
3	Dyestuff & Pigment in Powder Form (Such as Chrysodine, Bismark Brown, Malachite Green, Rhodamine B, Victoria Blue, Solvent Black, Pigments etc) - Powder form	0	50	50
4	Dyestuff & Pigment in Liquid form (Such as Methyl Violet Liquid, Chrystal Violet Liquid, Malachite Green Liquid, Brilliant Green Liquid, Victoria Blue Liquid, Chrysodine Liquid, Bismark Brown Liquid, Rhodamine B Liquid, Basic Yellow Liquid etc) - Liquid	0	75	75
5	Mixing & Blending of Dyestuff & Pigments - Powder	0	30	30
6	Byproduct	0	6	6

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	-	-	3	-	-	0.6	-	-	2.4
Gardening	-	-	5	-	-	5	-	-	0
Industrial Process	-	-	28	-	-	5.7	-	-	22.3
Cooling tower & thermopack	-	-	19	-	-	18	-	-	1.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon: 0.95 to 7.70 m bgl & Post-monsoon: 1.10 to 4.05 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Domestic & flushing tank: 15 KL and Fire fighting tank: 50 KL
35.Storm water drainage	**Natural water drainage pattern:**	The industry is located in Taloja MIDC area where all the facilities are available by MIDC. The land is having gentle slope.
	Quantity of storm water:	1320 m3
	Size of SWD:	1.0 m x 1.0 m
Sewage and Waste water	**Sewage generation in KLD:**	2.4
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. x 3 KLD
	Location & area of the STP:	12 Sq.m
	Budgetary allocation (Capital cost):	Rs. 5 Lakhs
	Budgetary allocation (O & M cost):	Rs. 1 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	Paper, cardboard, Empty Drum, HDPE bags, Metal scrap etc. - 2 MT/M
	Wet waste:	Food waste
	Hazardous waste:	Used oil, ETP Sludge
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 Kg/Month
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sale to authorized vendors
	Wet waste:	Sent to disposal site
	Hazardous waste:	Sale to authorized vendors/Sent to CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening.
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4.5 -9.5	7.5 - 7.6	5.5-8.0
2	COD	mg/L	35000 - 45000	1000 - 1800	< 2700
3	BOD	mg/L	4000 - 6000	500 - 800	< 1500

Amount of effluent generation (CMD):	23.3
Capacity of the ETP:	30
Amount of treated effluent recycled :	10
Amount of water send to the CETP:	Remaining treated effluent from ETP after recycling will be sent to CETP
Membership of CETP (if require):	Yes, Membership obtained
Note on ETP technology to be used	The ETP is comprised of primary, secondary & tertiary treatment unit's viz. equalization tank, neutralization tank, aeration tank, primary & secondary clarifiers, PSF, ACF and final collection sump.
Disposal of the ETP sludge	Forwarded to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1	L/yr	-	20	20	Sale to Authorized vendors/recyclers
2	ETP Sludge	34.3	MT/M	-	0.30	0.30	Sent to 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 (Non IBR) 1	Furness oil - 100 lit/day	1	12	0.4	110 oC
2	Thermo pack	Coal/wood/ Briquette - 2.5 MT/day	2	12	0.5	110 oC
3	D.G Set	HSD - 20 lit/day	3	5	0.08	90 oC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furness oil	-	100 lit/day	100 lit/day
2	Coal/wood/ Briquette	-	2.5 MT/day	2.5 MT/day
3	HSD	-	20 lit/day	20 lit/day
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Road Transport		

43.Green Belt Development	**Total RG area :**	396 sq. m (150 sq. m. within premises & 246 sq. m. on Land allotted by MIDC)
	No of trees to be cut :	NA
	Number of trees to be planted :	25
	List of proposed native trees :	Asok, Kadamb, Neem, Bakul, Apta etc.
	Timeline for completion of plantation :	2 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	Cassia fistula	Bahava	-	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	Mimusops elengi	Bakul	-	Shady tree, small white fragrant flowers
3	Nyctanthes arbor-tristis	Parijatak	-	Small deciduous fast growing tree, beautiful flowrers.
4	Lagerstroemia flos-regineae	Tamhan	-	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Murraya paniculata	Kunti	-	Small tree, Fragrant white flowers, Butterfly host plant
6	Saraca asoka	Sita Ashok	-	Shady tree with red-yellow flowers.
7	Gmelina arborea	Shivan	-	Fast growing tree with beautiful yellow flowers
8	Azadirachta indica	Neem	-	Semi-evergreen tree with medicinal value
9	Bombax ceiba	Kate sawar	-	Large deciduous tree. Flowers attract many birds.
10	Michelia champaca	Son chafa	-	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
11	Anthocephallus cadamba	Kadamb	-	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
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)	10 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	15 KW (existing)
	During Operation phase (Demand load):	125 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 No. x 82 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. The proposed project will provide enough day light factors in the building to permit maximum day light to interior to minimize overall energy consump
2. Focusing on the high performance energy efficient U & R values can bring down the building energy consumption i.e. the operational cost for the any commercial buildings.
3. To the extent possible and technically feasible, energy efficient equipment will be selected.
4. Maximize the use of natural lighting through design
5. Gravity flow will be preferred wherever possible to save pumping energy.
6. Proper temperature controls will be provided to reduce load on heating systems

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 emission - Process vents & flue gas stacks	-	Air preheater, Multiple Cyclone Seperator, ID Fan, Wet Scrubber, Dueting with Adequate chimney height

Wastewater - Domestic use, process, boiler blowdown, cooling tower blowdown, washing	-	ETP & STP
Noise - Process area, Utility area, ETP area	-	The Boiler would be kept in an isolated area with proper acoustic treatment to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs,ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.
Solid Waste	-	Sale/ Recycle/ disposal to CHWTSDF

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	Air	Dust suppression	1.0
2	Green area	Green Belt development	1.0
3	Solid waste	Solid waste management facility	0.5
4	Air, water, noise	Environment Monitoring	1.5
5	Health & safety	Occupational Health	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air emission	Provision for stack & APCM	4.0	1.5
2	Air & Flue gas	Provision of Boiler & Thermopack	8.0	-
3	Wastewater	Up gradation ETP Plant & O & M	30.00	4.80
4	other	other	10.00	-
5	Green area	Development of Green Belt	0.50	0.20
6	Solid /Hazardous waste	Solid waste management	-	3.60

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
Diethyl meta amino phenol	Solid	Drums-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Phthalic anhydride	Solid	Bags-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Di methyl aniline	Liquid	Drums-Raw material storage area	30.00	30.00	30.00	Local supplier	Road transport
Mono methyl aniline	Liquid	Drums-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Diethyl aniline	Liquid	Drums-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Aniline	Liquid	Drums-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Benzel dehyde	Liquid	Drums-Raw material storage area	11.00	11.00	11.00	Local supplier	Road transport
Meta phenylene diamine/meta toluable diamine	Solid	Drums-Raw material storage area	3.00	3.00	3.00	Local suppliaer	Road transport
Sodium nitrite	Solid	Bags-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Oxalic acid	Solid	Bags-Raw material storage area	4.80	4.80	4.80	Local supplier	Road transport
Paraformal dehydride	Solid	Bags-Raw material storage area	0.70	0.70	0.70	Local supplier	Road transport
Phenyl alpha naphthylamine	Solid	Bags-Raw material storage area	2.20	2.20	2.20	Local supplier	Road transport
Acetic acid	Liquid	Drums-Raw material storage area	25.00	25.00	25.00	Local supplier	Road transport
Caustic soda	Solid	Bags-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Di sodium hydrose phosphate	Solid	Bags-Raw material storage area	0.65	0.65	0.65	Local supplier	Road transport
Sodium molybdate	Solid	Bags-Raw material storage area	3.20	3.20	3.20	Local supplier	Road transport
Catalyst	Solid	Bags-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Emulsifier	Liquid	Drums-Raw material storage area	0.50	0.50	0.50	Local supplier	Road transport
Sulphuric acid	Liquid	Drums-Raw material storage area	5.00	5.00	5.00	Local supplier	Road transport
Hydrochloric acid	Liquid	Drums-Raw material storage area	25.00	25.00	25.00	Local supplier	Road transport
B brown base	Solid	Bags-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Basic yellow	Solid	Bags-Raw material storage area	1.60	1.60	1.60	Local supplier	Road transport
Crysodine base	Solid	Bags-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Dyestuff powder	Solid	Bags-Raw material storage area	24.00	24.00	24.00	Local supplier	Road transport

Metanil yellow	Solid	Bags-Raw material storage area	2.10	2.10	2.10	Local supplier	Road transport
Methyl violet	Solid	Bags-Raw material storage area	7.50	7.50	7.50	Local supplier	Road transport
Rhodamine base	Solid	Bags-Raw material storage area	4.00	4.00	4.00	Local supplier	Road transport
Globber salt/ vaccum salt	Solid	Bags-Raw material storage area	6.00	6.00	6.00	Local supplier	Road transport

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two Nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	10 Sq.m
	Area per car:	10 Sq. m
	Area per car:	10 Sq. m
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	1 No.
	Public Transport:	Auto Rickshaw from 200 m the plant boundary
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	'B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes

	Date of online submission	23-01-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
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 has obtianed TOR in the 124th meeting of SEAC-1 held on 30th & 31st March 2016 ,.PP submitted the EIA reprot durig 141st meeting held on 18.08.2017. It was brought to the notice of PP that they have uploaded the EIA reprot on 14th August 2017 and the expert members couldnot study the same in such a short time. Hence SEAC-1 decided to defer the proosal in 141st meeting and decided to considered in ensuing meeting.

The proposal was considerd in the 142nd and 149th meeting held on 14.09.2017 & 04.04.2018 respectively wherein PP was not present for the meeting. Hence the proposal was deferred.

DECISION OF SEAC

PP requested to postpone the case.

Hence, deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for Environment Clearance for: Proposed API Intermediate manufacturing unit (M/s Chemiker Pharmaceuticals Private Ltd.)

Is a Violation Case: No

1.Name of Project	Proposed API Intermediate manufacturing unit (M/s Chemiker Pharmaceuticals Private Ltd.)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shyam Titirmare
4.Name of Consultant	Anacon Laboratories Private Limited, Nagpur
5.Type of project	Manufacturing of API intermediates
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	NA
8.Location of the project	Notified Industrial Area, MIDC Butibori, Plot no. G-95/1, Village: Kirmiti, Tehsil Hingna, District Nagpur-441 122, Maharashtra.
9.Taluka	Hingna
10.Village	Kirmiti
Correspondence Name:	Mr. Shyam Titirmare
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Notified Industrial Area, MIDC Butibori, Plot no. G-95/1, Village: Kirmiti, Tehsil Hingna, District Nagpur-441 122, Maharashtra.
City:	Nagpur
11.Area of the project	Notified Industrial Area, MIDC Butibori , Nagpur (MS)
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1000
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	2000 Sq.M.
16.Deductions	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.): 1000
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: 29-10-2018
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	50000000

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)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	2,7-dichloro –a (dibutyl amino) methyl -9H-fluorene-4-methanol (DBA)	0	24.16	24.16
2	Tert-Butyl [(1S,2R)-1-benzyl-2-hydroxy-3-(isobutyl amino)propyl]carbamate	0	3	3
3	4-(2-Aminoethyl) phenol	0	5	5
4	Methyl 2-(1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl)acetate	0	5	5
5	Tetra methyl-1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetate	0	0.83	0.83

32.Total Water Requirement

Dry season:	**Source of water**	MIDC, Butibori
	Fresh water (CMD):	20
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	20
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC, Butibori
	Fresh water (CMD):	20
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	20
	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	0	2.5	2.5	0	0.5	0.5	0	2.0	2.0
Industrial Process	0	0	0	0	0	0	0	0	0
Cooling tower & thermopack	0	14.0	14.0	0	10.5	10.5	0	3.5 (Recycle)	3.5 (Recycle)
Gardening	0	3.5	3.5	0	0	0	0	0	0

Fresh water requirement	0	20	20	0	11.0	11.0	0	5.5	5.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon season ranges from 5-10 mbgl and in Post-monsoon season ranges from 2-5 mbgl
	Size and no of RWH tank(s) and Quantity:	5x10 feet, one, approx. 800-1000 cum/year
	Location of the RWH tank(s):	To be proposed
	Quantity of recharge pits:	1
	Size of recharge pits :	5x10 Feet
	Budgetary allocation (Capital cost) :	Will be provided in Final EIA.
	Budgetary allocation (O & M cost) :	Will be provided in Final EIA.
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	The industry is located in Butibori MIDC area where all the facilities are made available by MIDC. The land is having gentle slope and dendritic drainage pattern
	Quantity of storm water:	1063.424 m^3
	Size of SWD:	300 MM
Sewage and Waste water	**Sewage generation in KLD:**	2.0
	STP technology:	Septic Tank
	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:**	Topsoil and other construction waste
	Disposal of the construction waste debris:	Topsoil removed during the leveling will be stacked separately and will be used during the greenbelt development
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	Process Residues and organic Waste 19.78 TPA, Discarded container 12 TPA and Process Residues and inorganic salt Disposal by selling to registered recyclers for bromine recovery.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	Process Residues and organic Waste disposed as Incineration at TSDF site, Discarded container : by selling to registered recyclers and Process Residues and inorganic salt Disposal by selling to registered recyclers for bromine recovery
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Tank form Area
	Area for the storage of waste & other material:	500 Sq. feet
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be provided in Final EIA.
	O & M cost:	Will be provided in Final EIA.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA

Amount of effluent generation (CMD):	NA
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Process Residues and organic Waste	1.4	TPA	NA	Process (DBA)	14.5	Incineration at TSDF site
2	Process Residues and organic Waste	1.4	TPA	NA	Tert-Butyl [(1S,2R)-1-benzyl-2-hydroxy-3-(isobutyl amino)propyl]carbamate	1.08	Incineration at TSDF site
3	Process Residues and organic Waste	1.4	TPA	NA	4-(2-Aminoethyl) phenol	1.80	Incineration at TSDF site
4	Process Residues and organic Waste	1.4	TPA	NA	Methyl 2-(1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl)acetate	2.4	Incineration at TSDF site
5	Process Residues and inorganic salt	28.1	TPA	NA	Tetra methyl-1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetate	19.2	Collection, storage, transportation, Disposal by selling to registered recyclers for bromine recovery.
6	Discarded container/ barrel/ liners contaminated with hazardous	33.3	TPA	NA	Production	12	Collection, storage, transportation, Disposal by selling to registered recyclers

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	Briquette /coal based	1	30	1	NA
2	DG Set	HSD	1	6	0.15	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette /coal based	NA	Will be provided in Final EIA.	Will be provided in Final EIA.
2	HSD	NA	44 L/H	44 L/H
41.Source of Fuel		Nearest Fuel Station & Nearby Market		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	NA
	Number of trees to be planted :	106
	List of proposed native trees :	List of Recommended species is attached in Document Section.
	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	Cynodon dactylon	Doob grass	NA	Restrict soil erosion
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	160 KVA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	175 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Energy Efficient motors will be used.
Energy Efficient equipment/ BEE Star rated equipment.
Energy Efficient Boiler.
LED in all offices.
Energy Efficient lighting in whole industrial campus.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	All above energy saving measures	Will be provided in Final EIA.

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	NA	Dust Collector
Water	NA	Septic Tank/Soak Pit
Hazardous Waste	NA	Sent to TSDF

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be provided in Final EIA.
	O & M cost:	Will be provided in Final EIA.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Environmental Monitoring	Environmental Monitoring	Will be provided in Final EIA.	Will be provided in Final EIA.
2	Air Pollution	Bag filter / Dust collector	Will be provided in Final EIA.	Will be provided in Final EIA.
3	Water Pollution	Septic Tank / Soak Pit	Will be provided in Final EIA.	Will be provided in Final EIA.
4	Noise Pollution	PPE for workers	Will be provided in Final EIA.	Will be provided in Final EIA.
5	Solid /Hazardous Waste Management	TSDF	Will be provided in Final EIA.	Will be provided in Final EIA.
6	Occupational Health	Health Care	Will be provided in Final EIA.	Will be provided in Final EIA.
7	Green Belt	Native Species will be planted	Will be provided in Final EIA.	Will be provided in Final EIA.

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	Storage Tank	Storage Area	10 KL	10 KL	-	Raw materials required are easily available from suppliers of Maharashtra, Madhya Pradesh & Gujarat.	By Road
Butanol	Storage Tank	Storage Area	10 KL	10 KL	-	Raw materials required are easily available from suppliers of Maharashtra, Madhya Pradesh & Gujarat.	By Road
MDC	Storage Tank	Storage Area	10 KL	10 KL	-	Raw materials required are easily available from suppliers of Maharashtra, Madhya Pradesh & Gujarat.	By Road
Acetonitrile	Storage Tank	Storage Area	5 KL	5 KL	-	Raw materials required are easily available from suppliers of Maharashtra, Madhya Pradesh & Gujarat.	By Road
Toluene	Storage Tank	Storage Area	5 KL	5 KL	-	Raw materials required are easily available from suppliers of Maharashtra, Madhya Pradesh & Gujarat.	By Road

Diphenyl ether	Drum	Storage Area	2 KL	2 KL	-	Raw materials required are easily available from suppliers of Maharashtra, Madhya Pradesh & Gujarat.	By Road
N-methyl pyrrolidone	Drum	Storage Area	2 KL	2 KL	-	Raw materials required are easily available from suppliers of Maharashtra, Madhya Pradesh & Gujarat.	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	MIDC road of 30.0 meter wide
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	Will be provided in Final EIA.
	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):	20 meter Wide
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	No
	Other Relevant Informations	This is submitted for ToR application, will be finalized and submitted in Final EIA Report.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-02-2019

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

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.

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.

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.
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.
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 include water and carbon foot print monitoring in the EMP.
9) PP to submit hazardous chemical handling protocol
10) 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.
11) PP to include point wise compliance of the standard ToR points in the EIA report.

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.

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for Proposed Expansion of Existing Industrial Activity of M/s. Hemmo Pharmaceuticals Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	M/s. Hemmo Pharmaceuticals Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Haresh Ahuja
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Industry 5(f) Category B
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, PP has not obtained Environmental Clearance for existing project
8.Location of the project	C-43, Off Thane Belapur Road TTC MIDC, Near NOCIL RCD Square
9.Taluka	Thane
10.Village	Pawane Village
Correspondence Name:	Mr. Haresh Ahuja
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	C-43, Off Thane Belapur road TTC MIDC Pawane Village, Near NOCIL RCD Square, Maharashtra - 400613
Locality:	Pawane
City:	Thane
11.Area of the project	Industry is located in Turbhe MIDC
12.IOD/IOA/Concession/Plan Approval Number	Industry is having approved plan from MIDC - DE/MHP/D 34141 /dt. 26.11.2014
	IOD/IOA/Concession/Plan Approval Number: DE/MHP/D 34141 /dt.26.11.2014
	Approved Built-up Area: 4171.29
13.Note on the initiated work (If applicable)	Existing Industry is already in operation & no work related to proposed expansion has been initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4631.00 sq. m.
16.Deductions	NA
17.Net Plot area	4631.00 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4474.44
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 4474.44
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 4171.29
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 26-11-2014
19.Total ground coverage (m2)	1781.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38%
21.Estimated cost of the project	615861000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable as it is an industry
24.Number of expected residents / users	This is an industry and Total expected population shall be 180 (Existing 140 and Proposed 40)
25.Tenant density per hectare	Not applicable as it is an industry
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning Radius is 9.0 m
29.Existing structure (s) if any	Admin Building, ETP, Electrical & AHU Room, DG Room, Boiler Room, Lab
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	Oxytocin – Bulk Drugs (In solution and Powder form)	0.004	0.002	0.006
2	Other Peptides (Leuprorelin, Desmopressin, Somatostatin, Tetracosactide,Gonadorelin, Calcitonin, Terlipressin, Octreotide, Buserelin, Decapeptide, Cetrorelix, Carbetocin, Bivalirudin, Goserelin, Triptorelin, Glatiramer, Linaclotide, Eptifibatide, Vasopressin, Salmon GnRH A, Atosiban, Degarelix, Exenatide, MBP Peptides, ACTH (Corticotropin), Glucagon, GL Peptide Custom Peptides, Peptides/Amino Acid based peptides, Liraglutide, Abaloparatide, Teriparatide	0.002	0.002	0.004

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	187.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	14.5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	202.0
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	115
	Excess treated water	61.67
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	187.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	202.0
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	115
	Excess treated water	76.17
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	15.0	5.1	20.1	4.6	1.0	5.6	10.4	4.1	14.5
Industrial Process	35.27	24.32	59.59	0.0	0.0	0.0	35.85	24.72	60.57
Cooling tower & thermopack	80.5	27.3	107.8	77.2	26.2	103.5	3.3	1.1	4.3
Gardening	2.0	12.5	14.5	2.0	12.5	14.5	0	0	0

Fresh water requirement	130.8	56.7	187.5	81.8	27.3	109.1	49.6	29.9	79.4

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-10 m
	Size and no of RWH tank(s) and Quantity:	1 tank of 4.2m*4.0m*3.0m; Volume-50,000 Lit
	Location of the RWH tank(s):	Beside D.G Set
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	3.0 Lakh
	Budgetary allocation (O & M cost) :	0.2 Lakh
	Details of UGT tanks if any :	UGT having 2 Lakh Liters capacity is provided.
35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	302.83 m3/hr.
	Size of SWD:	500mm*450mm
Sewage and Waste water	**Sewage generation in KLD:**	14.5 KLD
	STP technology:	Currently having septic tank, Industry has proposed 20CMD STP based on MBBR technology
	Capacity of STP (CMD):	20 CMD *1 No. of STP
	Location & area of the STP:	Beside ETP Plant
	Budgetary allocation (Capital cost):	24 Lakh [STP - 12.0 Lakh, ETP - 12.0 Lakh]
	Budgetary allocation (O & M cost):	3.8 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris
	Disposal of the construction waste debris:	Industry is already in operation. PP has proposed Construction of Sheds, storage tanks, Waste likely to generate is concrete which will be very less. The waste will be utilized within site for internal roads, higher plinth and filling low laying acres
Waste generation in the operation Phase:	**Dry waste:**	Non-Biodegradable waste - 21.6 kg/day , Inert waste - 8.1 kg/day , Container – 146470 Nos./Yr
	Wet waste:	Biodegradable Waste = 24.3 kg/day
	Hazardous waste:	Spent Solvent = 75 m3/month, Process waste & residue = 137 kg/month, ETP sludge = 53.42 kg/month, Used Oil = 100lit/M
	Biomedical waste (If applicable):	1200 Kg/year
	STP Sludge (Dry sludge):	78 kg/month
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sent to Navi Mumbai Municipal Corporation; STP Sludge will be used as Manures
	Wet waste:	Sent to Navi Mumbai Municipal Corporation
	Hazardous waste:	Spent Solvent sent to Authorized Recycler/ Reprocessor, Process waste & residue & ETP Sludge sent to CHWTSDF, Used Oil sent to Authorized Recycler
	Biomedical waste (If applicable):	Sent to Authorized disposal facility
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	South West Corner of the plot
	Area for the storage of waste & other material:	25 sq.m. for storage
	Area for machinery:	N.A. [As no onsite treatment facility]
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1.07 lakh
	O & M cost:	2.0 lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	TDS	mg/l	1164	784	<=2100
2	pH	-	4.5	7.32	5.5-9
3	BOD (3 Days 27 0C)	mg/l	118	27	<=100
4	Suspended Solids	mg/l	142	62.4	<=100
5	COD	mg/l	654	142	<=250
6	Oil & Grease	mg/l	8.9	2.1	<=10
7	Phinolic Compound	mg/l	1.2	0.12	<=1
8	Free Ammonia	mg/l	5.8	1.0	<=5
9	Sulphide as S	mg/l	2.5	0.53	<=2
10	Nitrate Nitrogen	mg/l	19.2	4.4	<=20
11	Bio - Assay Test (90%)	%	--	90	90

Amount of effluent generation (CMD):	64.91
Capacity of the ETP:	Existing = 50 CMD, Same shall be augmented to the 75CMD
Amount of treated effluent recycled :	14.5 CMD
Amount of water send to the CETP:	61.67
Membership of CETP (if require):	Yes industry has obtained CETP membership
Note on ETP technology to be used	Fenton's Technology
Disposal of the ETP sludge	ETP Sludge generated will be disposed to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Solvent	28.6	m3/month	50.0	25.0	75.0	Authorize recycler/re-processor

2	Process waste & residue	28.1	kg/month	30.0	107.0	137.0	CHWTSDF
3	ETP Sludge	35.3	kg/month	43.42	10.0	53.42	CHWTSDF
4	Used Oil	5.1	Lit/month	0.0	100.0	100.0	Authorized Recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set 500 KVA*2	HSD = 200 lit/hr	2	9	0.2245	155 0C
2	Boiler (1250 kg/hr	PNG = 245 SCM/Day	1(Common Stack has been provided for both Existing and proposed Boiler (After proposed expansion existing 850kg/hr Boiler will be treated as standby arrangement)	21	0.3	150 0C
3	Boiler (1250 kg/hr	PNG = 505SCM/Day	1(Common Stack has been provided for both Existing and proposed Boiler (After proposed expansion existing 850kg/hr Boiler will be treated as standby arrangement)	21	0.3	150 0C
4	Process Reactor (150 litres)	NA	1	14	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	100.0 lit/hr	100.0 lit/hr	200.0 lit/hr
2	PNG	245 SCM/Day	505 SCM/Day	750 SCM/Day
41.Source of Fuel		Market and local Vendor		
42.Mode of Transportation of fuel to site		Truck and Tanker		

43.Green Belt Development	**Total RG area :**	1528.0 m2
	No of trees to be cut :	0
	Number of trees to be planted :	Existing- 92 Nos ; Proposed- 136 Nos
	List of proposed native trees :	List of Trees is given below
	Timeline for completion of plantation :	Already Planted 92 trees. Proposed plant of 136 trees after obtaining EC

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	Manilkara zapota	Chiku	23	Acetone extracts of the seeds exhibited in vitro antibacterial effects against strains of Pseudomonas oleovorans and Vibrio cholerae.
2	Mangifera indica	Mango	27	Dried Flowers are used as medical cure
3	Terminalia catappa	Badam	9	Almond grows best in Mediterranean climates with warm, dry summers and mild, wet winters.
4	Azadirachta indica	Neem tree	8	Ideal source for insecticide and pesticide
5	Ficus religiosa	Vat tree	13	Listed as an "environmental weed" or "naturalised weed" by the Global Compendium of Weeds.
6	Cassia fistula	Amaltas	18	It is an Ornamental plant and is also used in herbal medicine. The species is native to the Indian subcontinent and adjacent regions of Southeast Asia
7	Syzygium cumini	Jamun	7	The seed of the fruit is used in various alternative healing systems like Ayurveda,Unani and Chinese medicine. It has a high source in vitamin A and vitamin C
8	Dalbergia sissoo	Sheesham	8	Dalbergia sissoo, known commonly as North Indian rosewood, is a fast-growing, hardy deciduous rosewood tree
9	Tectona grandis	Teak	8	It is resistant to termite attacks and damage caused by other insects.
10	Terminalia arjuna	Arjun	15	Arjuna has traditionally been used to treat heart disease for centuries.
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)	950 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1400 KW
	During Operation phase (Demand load):	950 KVA
	Transformer:	1200 KVA
	DG set as Power back-up during operation phase:	500 KVA * 2
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Industry have taken the effort to use natural resources available such as solar light. The industry is also using solar street light to lighten up the internal road

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar street lights	2%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process Reactor	Ammonia Scrubber	NA
Process Reactor	Process Scrubber	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	13.34 Lakh
	O & M cost:	1.05 Lakh

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 Pollution Control System	Existing + Proposed	13.34	1.05
2	Water pollution Control System (ETP)	Existing + Proposed	87.63	8.51
3	Solid waste Management	Existing + Proposed	1.07	2.00
4	Occupational Health and Safety	Existing + Proposed	Nil	2.00
5	Environmental Monitoring	Existing + Proposed	Nil	1.39
6	Green Belt Development	Existing + Proposed	12.00	3.72

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
Amino Acid	Crystalline Solid	Solvent Drum Store	0.75	0.754	0.237	Vendor	Air Cargo
Resin	Solid and highly viscous	Solvent Drum Store	0.08	0.08	0.016	Vendor	Air Cargo
Reagents	Liquid	Solvent Drum Store	4.3	4.3	15.20	Vendor	By Sea/ Road
Solvent	Liquid	Solvent Drum Store	5.1	5.1	73.081	Vendor	By Sea/ Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	556.0sq.m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	16
	Number of 4-Wheelers as approved by competent authority:	6
	Public Transport:	0
	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	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time.As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes effluent treatment plant. The treated effluent will be disposed off at 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 at project site.

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 950 KVA which will be supplied by MSEDCL. PP proposes two numbers of 500 KVA DG Sets.
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 proposed EMP cost of Rs. 114.04 Lakhs as capital cost and Rs. 16.57 Lakh as O & M cost to maintain environmental parameters.
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 148th meeting of SEAC-1 held on 26.02.2018 where in ToR was granted.

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

Based on the presentation made by PP; committee decided to approve the TOR for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

1. PP to submit history about transfer of the proposed plot from time to time till date. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.

2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc. PP to ensure all construction on site are as per National Building Code.

3. PP to provide revised product list in the consolidated statement with maximum capping quantity for each product.

4. PP to submit copies of all the consents along with their manufacturing quantities.PP to submit details in the tabular format.

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 submit product wise water balance along with quantities of effluent generation, design of effluent treatment plant and disposal of treated effluent.

7. PP to provide packaged STP for the treatment of domestic sewage.

8. PP to carry out additional surface water sampling of the three lakes in the study area and include in the EIA report.

9. PP to carry out HAZOP and QRA and submit report

10. PP to submit hazardous chemical handling protocol

11. PP to provide lightening arrestor.

12. PP to submit CETP NOC for additional effluent load to be discharged to the CETP.

13. PP to ensure 2.5 % funds for CSR and submit detailed CSR plan to be prepared in consultation with the District Collector along with implementation schedule.

PP submitted EIA/EMP report for appraisal in 158th meeting wherein the proposal was deferred.

The proposal was again considerd in the 163rd meeting held on 15.03.2019 where in the proposal was deferred till submisison of the compliance of the following points,

1. PP to upload revised Form-II and EIA/EMP report.

2. PP to submit storm water draina and rain water harvesting calculations.

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

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant SEAC decided recommend the proposal for prior environmental clearance to the SEIAA subject to the follwing conditions.

Specific Conditions by SEAC:

1) PP to implement their CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
2) PP to monitor their water and carbon foot print in the Environmental Monitoring Plan.
3) PP to ensure strict implementation of all the recommendations of the HAZOP and Risk Assessment study.

FINAL RECOMMENDATION

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

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for Stone Quarry B2 Category Non Coal Mining

Is a Violation Case: No

1.Name of Project	M/s. Ranguvansh Stone Mines
2.Type of institution	Private
3.Name of Project Proponent	Mr. Deepak Singh (Partner)
4.Name of Consultant	M/s. Goldfinch Engineering Systems Pvt Ltd
5.Type of project	Project is of B2 Category Non- coal Mining
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 as new project
8.Location of the project	Forest Survey No.: 94-A, Lease Area 1.19 Ha
9.Taluka	Thane
10.Village	Adivali Bhutali
Correspondence Name:	Deepak Singh
Room Number:	Forest Survey No: 94-A
Floor:	NA
Building Name:	NA
Road/Street Name:	Shil-Mahape Road
Locality:	Adivali Bhutali
City:	Thane
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	NA as it is B2 Category Non coal Mining
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval-ML/PL/ADM/403/Part-2/2016/309
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Forest Dept, 2) Deputy Director DOG&M Kolhapur (Mining Plan Approval)
15.Total Plot Area (sq. m.)	1.19 Ha.- Total Area
16.Deductions	NA
17.Net Plot area	1.19 Ha.- Total Area= Net Plot Area
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA as it is Non Coal Mining
	b) Non FSI area (sq. m.): NA as it is Non Coal Mining
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA as it is Non Coal Mining
	Approved Non FSI area (sq. m.): NA as it is Non Coal Mining
	Date of Approval: 01-03-2016
19.Total ground coverage (m2)	NA as it is Non Coal Mining
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA as it is Non Coal Mining
21.Estimated cost of the project	2100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Small office	1	2.1

23.Number of tenants and shops	Not applicable as it is Non coal Mining
24.Number of expected residents / users	Not applicable as it is Non coal Mining
25.Tenant density per hectare	Not applicable as it is Non coal Mining
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	more than 200 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Sufficient road is available for movement
29.Existing structure (s) if any	Small Office
30.Details of the demolition with disposal (If applicable)	Not applicable as it is Non coal Mining

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone Metal No. 1,2 & 3	0	2083	2083

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	7.5 CMD
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.5 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**	Tanker Water
	Fresh water (CMD):	7.5 CMD
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.5 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	0	1	1	0.5	0	0.5	0.5	0	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14 m BGL
	Size and no of RWH tank(s) and Quantity:	Not Applicable as it is Non Coal Mining B2 Category
	Location of the RWH tank(s):	Not Applicable as it is Non Coal Mining B2 Category
	Quantity of recharge pits:	Not Applicable as it is Non Coal Mining B2 Category
	Size of recharge pits :	Not Applicable as it is Non Coal Mining B2 Category
	Budgetary allocation (Capital cost) :	0
	Budgetary allocation (O & M cost) :	0
	Details of UGT tanks if any :	Not Applicable as it is Non Coal Mining B2 Category
35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable as it is Non Coal Mining B2 Category
	Quantity of storm water:	Not Applicable as it is Non Coal Mining B2 Category
	Size of SWD:	0
Sewage and Waste water	**Sewage generation in KLD:**	0.5 KLD
	STP technology:	Soak pit
	Capacity of STP (CMD):	500 lit
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	3 Lakh
	Budgetary allocation (O & M cost):	0

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden soil or Morum will be used for plantation
	Disposal of the construction waste debris:	Not Applicable as it is Non Coal Mining B2 Category
Waste generation in the operation Phase:	**Dry waste:**	Not Applicable as it is Non Coal Mining B2 Category
	Wet waste:	Not Applicable as it is Non Coal Mining B2 Category
	Hazardous waste:	Not Applicable as it is Non Coal Mining B2 Category
	Biomedical waste (If applicable):	Not Applicable as it is Non Coal Mining B2 Category
	STP Sludge (Dry sludge):	Not Applicable as it is Non Coal Mining B2 Category
	Others if any:	Not Applicable as it is Non Coal Mining B2 Category

Mode of Disposal of waste:	**Dry waste:**	Not Applicable as it is Non Coal Mining B2 Category
	Wet waste:	Not Applicable as it is Non Coal Mining B2 Category
	Hazardous waste:	Not Applicable as it is Non Coal Mining B2 Category
	Biomedical waste (If applicable):	Not Applicable as it is Non Coal Mining B2 Category
	STP Sludge (Dry sludge):	Not Applicable as it is Non Coal Mining B2 Category
	Others if any:	Overburden soil or Morum , weathered basalt is used for making roads, development of infrastructure, filling for landscaping to develop greenery
Area requirement:	**Location(s):**	Forest Survey No. 94-A, Adivali Bhutali, Taluka & District : Thane, state: Maharashtra
	Area for the storage of waste & other material:	NA
	Area for machinery:	1000 sq mtr
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable as it is Non Coal Mining B2 Category
	O & M cost:	Not Applicable as it is Non Coal Mining B2 Category

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not Applicable as it is Non Coal Mining B2 Category	NA	NA	NA	NA

Amount of effluent generation (CMD):	Not Applicable as it is Non Coal Mining B2 Category
Capacity of the ETP:	Not Applicable as it is Non Coal Mining B2 Category
Amount of treated effluent recycled :	Not Applicable as it is Non Coal Mining B2 Category
Amount of water send to the CETP:	Not Applicable as it is Non Coal Mining B2 Category
Membership of CETP (if require):	Not Applicable as it is Non Coal Mining B2 Category
Note on ETP technology to be used	Not Applicable as it is Non Coal Mining B2 Category
Disposal of the ETP sludge	Not Applicable as it is Non Coal Mining B2 Category

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not Applicable as it is Non Coal Mining B2 Category	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not Applicable as it is Non Coal Mining B2 Category	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not Applicable as it is Non Coal Mining B2 Category	0	0	0
41.Source of Fuel		Quarrying Operation is only day time & does nor required high tension electric power supply.		
42.Mode of Transportation of fuel to site		By Vehicle		

43.Green Belt Development	**Total RG area :**	As per Mining Closer plan (EMP)
	No of trees to be cut :	0
	Number of trees to be planted :	15000 Big Trees like Mango, Jamun, Neem etc.
	List of proposed native trees :	As per MPCB Guidelines
	Timeline for completion of plantation :	As per MPCB Guidelines

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	Mangnifera Indica	Mango Trees	Total Number of Trees including other tress are 1500	Indigenous species
2	Syzyjium Cumini	Jamun Tress	Total Number of Trees including other tress are 1500	Indigenous species
3	Azardica Indica	Neem	Total Number of Trees including other tress are 1500	Indigenous species
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	NA	0	0

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA as it is B2 Category Non coal Mining
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	MSEDCL
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Standard cables & equipment & Timely Maintenance

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	0

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not Applicable as it is Non Coal Mining B2 Category	Not Applicable as it is Non Coal Mining B2 Category	Not Applicable as it is Non Coal Mining B2 Category

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0
	O & M cost:	0

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Dust Suppression, plantation, Sprinkler	Dust	4.5 for 5 years	0.9

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 as it is Non Coal Mining B2 Category	NA	NA	NA	0	0	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable as it is Non Coal Mining B2 Category
Parking details:	**Number and area of basement:**	Not Applicable as it is Non Coal Mining B2 Category
	Number and area of podia:	Not Applicable as it is Non Coal Mining B2 Category
	Total Parking area:	Not Applicable as it is Non Coal Mining B2 Category
	Area per car:	Not Applicable as it is Non Coal Mining B2 Category
	Area per car:	Not Applicable as it is Non Coal Mining B2 Category
	Number of 2-Wheelers as approved by competent authority:	Not Applicable as it is Non Coal Mining B2 Category
	Number of 4-Wheelers as approved by competent authority:	Not Applicable as it is Non Coal Mining B2 Category
	Public Transport:	Not Applicable as it is Non Coal Mining B2 Category
	Width of all Internal roads (m):	sufficient width for vehicle movements
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Ghandi National Park -17.5 KM
	Category as per schedule of EIA Notification sheet	1(a)
	Court cases pending if any	No

	Other Relevant Informations	Project is of B2 Category Non Coal Mining of 1.19 Ha.
	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 applocation 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 1.19 ha. on the forest lease area at Adivali Bhutavali Survey No. 94-A , Taluka Thane, District Thane.

DECISION OF SEAC

During deliberations, it was observed that, PP has not submitted District Survey Report (DSR) along with the proposal.

In view of above, SEAC-1 decided to defer the proposal till submission of all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Subject: Environment Clearance for Stone Quarry B2 Category Non Coal Mining

Is a Violation Case: No

1.Name of Project	Mukesh stone Crushing Company
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajendraprasad Musafir Singh
4.Name of Consultant	M/s. Goldfinch Engineering Systems Pvt. Ltd.
5.Type of project	Project is B2 Category Non-Coal Mining
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 as new project
8.Location of the project	W.P.F. Survey no. 218/B Part,
9.Taluka	Thane
10.Village	Shil
Correspondence Name:	Mr. Rajendraprasad Musafir Singh
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	W.P.F. Survey no. 218/B Part, Shil-Mahape Road
Locality:	Shil
City:	Thane
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	NA as it is B2 Category Non Coal Mining
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No. ML/PL/Adm/503/Part3/2016/470
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Thane Forest Division, 2) Deputy Director, DGM Kolhapur (Mining PLan Approval)
15.Total Plot Area (sq. m.)	1.17 Ha - Total Lease Area
16.Deductions	NA
17.Net Plot area	1.17 Ha - Total Area = Net Plot Area
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA as it is Non Coal Mining
	b) Non FSI area (sq. m.): NA as it is Non Coal Mining
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA as it is Non Coal Mining
	Approved Non FSI area (sq. m.): NA as it is Non Coal Mining
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	NA as it is Non Coal Mining
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA as it is Non Coal Mining
21.Estimated cost of the project	7000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 small Office	1	2.1
2			

23.Number of tenants and shops	NA as it is Non Coal Mining
24.Number of expected residents / users	NA as it is Non Coal Mining
25.Tenant density per hectare	NA as it is Non Coal Mining
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	more than 200 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Sufficient road is available for movement
29.Existing structure (s) if any	small office
30.Details of the demolition with disposal (If applicable)	NA as it is Non Coal Mining

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone Metal	0	2083	2083

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	7.5 CMD
	Recycled water - Flushing (CMD):	Not Applicable
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	7.5 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**	Tanker Water
	Fresh water (CMD):	6 CMD
	Recycled water - Flushing (CMD):	Not Applicable
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	6 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	0	1	1	0	0.5	0.5	0	0.5	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14 m bgl
	Size and no of RWH tank(s) and Quantity:	Not Applicable as it is Non Coal Mining B2 Category
	Location of the RWH tank(s):	Not Applicable as it is Non Coal Mining B2 Category
	Quantity of recharge pits:	Not Applicable as it is Non Coal Mining B2 Category
	Size of recharge pits :	Not Applicable as it is Non Coal Mining B2 Category
	Budgetary allocation (Capital cost) :	Not Applicable as it is Non Coal Mining B2 Category
	Budgetary allocation (O & M cost) :	Not Applicable as it is Non Coal Mining B2 Category
	Details of UGT tanks if any :	Not Applicable as it is Non Coal Mining B2 Category
35.Storm water drainage	**Natural water drainage pattern:**	Garland Drainage
	Quantity of storm water:	16 mm/day
	Size of SWD:	A garland of 7.5 m of barrier will be maintained
Sewage and Waste water	**Sewage generation in KLD:**	0.5 KLD
	STP technology:	Soak Pits
	Capacity of STP (CMD):	0.5 CMD
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	3 Lakhs
	Budgetary allocation (O & M cost):	0
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden Soil or Morrum will be used for plantation
	Disposal of the construction waste debris:	Not Applicable as it is Non- Coal Mining B2 Category
Waste generation in the operation Phase:	**Dry waste:**	Not Applicable as it is Non- Coal Mining B2 Category
	Wet waste:	Not Applicable as it is Non- Coal Mining B2 Category
	Hazardous waste:	Not Applicable as it is Non- Coal Mining B2 Category
	Biomedical waste (If applicable):	Not Applicable as it is Non- Coal Mining B2 Category
	STP Sludge (Dry sludge):	Not Applicable as it is Non- Coal Mining B2 Category
	Others if any:	Morrum, weathered basalt

Mode of Disposal of waste:	**Dry waste:**	Not Applicable as it is Non- Coal Mining B2 Category
	Wet waste:	Not Applicable as it is Non- Coal Mining B2 Category
	Hazardous waste:	Not Applicable as it is Non- Coal Mining B2 Category
	Biomedical waste (If applicable):	Not Applicable as it is Non- Coal Mining B2 Category
	STP Sludge (Dry sludge):	Not Applicable as it is Non- Coal Mining B2 Category
	Others if any:	Top Soil or Morrum, weatheres basalt is used for making roads, development of infrastructure, filling for landscaping to develop greenery
Area requirement:	**Location(s):**	Forest Survey no 218/B Part, Village – Shil, Tal, Dist - Thane (MS)
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	4000 Sq. Mts
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable as it is Non- Coal Mining B2 Category
	O & M cost:	Not Applicable as it is Non- Coal Mining B2 Category

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not Applicable as it is Non- Coal Mining B2 Category	NA	NA	NA	NA

Amount of effluent generation (CMD):	Not Applicable as it is Non- Coal Mining B2 Category
Capacity of the ETP:	Not Applicable as it is Non- Coal Mining B2 Category
Amount of treated effluent recycled :	Not Applicable as it is Non- Coal Mining B2 Category
Amount of water send to the CETP:	Not Applicable as it is Non- Coal Mining B2 Category
Membership of CETP (if require):	Not Applicable as it is Non- Coal Mining B2 Category
Note on ETP technology to be used	Not Applicable as it is Non- Coal Mining B2 Category
Disposal of the ETP sludge	Not Applicable as it is Non- Coal Mining B2 Category

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not Applicable as it is Non- Coal Mining B2 Category	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not Applicable as it is Non- Coal Mining B2 Category	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

1	Not Applicable as it is Non-Coal Mining B2 Category	NA	NA	NA
41.Source of Fuel		Quarrying Operation is only performed in day time & does not require High Tension electric Power Supply		
42.Mode of Transportation of fuel to site		Not Applicable		

43.Green Belt Development	**Total RG area :**	AS per Mine Closure Plan
	No of trees to be cut :	0
	Number of trees to be planted :	1180
	List of proposed native trees :	As per MPCB Guidlines
	Timeline for completion of plantation :	As Per MPCB Guidlines

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	Magnifera Indica	Mango Tree	Total no. of trees include mango will be 1180	Indigenous Species
2	Syzyjium Cumini	Jamun Tree	Total no. of trees include Jamun will be 1180	Indigenous Species
3	Azadirachta indica	Neem Tree	Total no. of trees include Neem will be 1180	Indigenous Species
4	Tamarandus indica	Tamarind	Total no. of trees include Neem will be 1180	Indigenous Species
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA as it is B2 Category Non-Coal Mining Project
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	MSEDCL
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Standard Cables & Equipment s will be used and timely maintenance will be done.

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
Drilling & Blasting	NA	Sprinklers

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0
	O & M cost:	0

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	SPM	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Dust Suppression	Dust, SPM	4	0.8

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA as it is B2 Category Non-Coal Mining Project
Parking details:	**Number and area of basement:**	NA as it is B2 Category Non-Coal Mining Project
	Number and area of podia:	NA as it is B2 Category Non-Coal Mining Project
	Total Parking area:	NA as it is B2 Category Non-Coal Mining Project
	Area per car:	NA as it is B2 Category Non-Coal Mining Project
	Area per car:	NA as it is B2 Category Non-Coal Mining Project
	Number of 2-Wheelers as approved by competent authority:	NA as it is B2 Category Non-Coal Mining Project
	Number of 4-Wheelers as approved by competent authority:	NA as it is B2 Category Non-Coal Mining Project
	Public Transport:	NA as it is B2 Category Non-Coal Mining Project
	Width of all Internal roads (m):	NA as it is B2 Category Non-Coal Mining Project
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park at 16.75 km in NW
	Category as per schedule of EIA Notification sheet	1 (a)
	Court cases pending if any	NO
	Other Relevant Informations	The project is of B2 Catrgory Non-coal Mining Project of 1.17 ha
	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 applocation 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 1.17 ha. at Shil Survey No. 218/B (p) , Taluka Thane, District Thane.

DECISION OF SEAC

During deliberations, it was observed that, PP has not submitted District Survey Report (DSR) along with the proposal.

In view of above, SEAC-1 decided to defer the proposal till submission of all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

1.Name of Project	M/s. Mukesh And Company
2.Type of institution	Private
3.Name of Project Proponent	Mr. Gaurishankar Singh
4.Name of Consultant	Goldfinch Engineering Systems Pvt. Ltd. Accreditation No: RA 0066
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable as new Project
8.Location of the project	Survey No.: 94/A
9.Taluka	Thane
10.Village	Adivali Bhuali
Correspondence Name:	Mr. Gaurishankar Singh
Room Number:	Reserve Forest No: 94/A
Floor:	NA
Building Name:	NA
Road/Street Name:	Shil- Mahape Road
Locality:	Adivali Butali
City:	Thane
11.Area of the project	Reserve Forest Area
12.IOD/IOA/Concession/Plan Approval Number	Forest NOC
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No: MP/PL/ ADM/503/Part-3/ 2016/ 458
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Fire Dept 2) Deputy Director DOG & Mining Kolhapur (Mining Plan Approval)
15.Total Plot Area (sq. m.)	1.00 Ha
16.Deductions	NA
17.Net Plot area	Not 1.00 Ha= Total Plot Area= Net Plot Area
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable as it is Non coal mining B2 Category
	b) Non FSI area (sq. m.): Not applicable as it is Non coal mining B2 Category
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable as it is Non coal mining B2 Category
	Approved Non FSI area (sq. m.): Not applicable as it is Non coal mining B2 Category
	Date of Approval: 29-03-2016
19.Total ground coverage (m2)	Not applicable as it is Non coal mining B2 Category
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable as it is Non coal mining B2 Category
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	1 small office	1	2.3

23.Number of tenants and shops	Not applicable as it is Non coal mining B2 Category
24.Number of expected residents / users	Not applicable as it is Non coal mining B2 Category
25.Tenant density per hectare	Not applicable as it is Non coal mining B2 Category
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	More than 200 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Sufficient road is available for movement
29.Existing structure (s) if any	Small Office
30.Details of the demolition with disposal (If applicable)	Not applicable as it is Non coal mining B2 Category

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone Metal	0	2500	2500

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	7.0
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.0
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Wet season:	**Source of water**	Tanker Water
	Fresh water (CMD):	6.0
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	6.0
	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 as it is Non coal mining B2 Category	

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	0.5	1	0	0.5	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14 m BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable as it is Non coal mining B2 Category
	Location of the RWH tank(s):	Not applicable as it is Non coal mining B2 Category
	Quantity of recharge pits:	Not applicable as it is Non coal mining B2 Category
	Size of recharge pits :	Not applicable as it is Non coal mining B2 Category
	Budgetary allocation (Capital cost) :	0
	Budgetary allocation (O & M cost) :	0
	Details of UGT tanks if any :	Not applicable as it is Non coal mining B2 Category

35.Storm water drainage	**Natural water drainage pattern:**	Garland Drainage
	Quantity of storm water:	16 mm per day
	Size of SWD:	7.5 mtr of barrier maintain

Sewage and Waste water	**Sewage generation in KLD:**	0.5 KLD
	STP technology:	Soak Pit
	Capacity of STP (CMD):	500 lit
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	2 LAKHS
	Budgetary allocation (O & M cost):	0

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not applicable as it is Non coal mining B2 Category
	Disposal of the construction waste debris:	Not applicable as it is Non coal mining B2 Category
Waste generation in the operation Phase:	**Dry waste:**	Not applicable as it is Non coal mining B2 Category
	Wet waste:	Not applicable as it is Non coal mining B2 Category
	Hazardous waste:	Not applicable as it is Non coal mining B2 Category
	Biomedical waste (If applicable):	Not applicable as it is Non coal mining B2 Category
	STP Sludge (Dry sludge):	Not applicable as it is Non coal mining B2 Category
	Others if any:	Over Burden soil or Morum will be used for plantation
Mode of Disposal of waste:	**Dry waste:**	Not applicable as it is Non coal mining B2 Category
	Wet waste:	Not applicable as it is Non coal mining B2 Category
	Hazardous waste:	Not applicable as it is Non coal mining B2 Category
	Biomedical waste (If applicable):	Not applicable as it is Non coal mining B2 Category
	STP Sludge (Dry sludge):	Not applicable as it is Non coal mining B2 Category
	Others if any:	Over Burden soil or Morum will be used for plantation
Area requirement:	**Location(s):**	Reserve Forest Survey no: 94/A, Adivali Bhutali, Taluka & District: Thane, State: Maharashtra
	Area for the storage of waste & other material:	NA
	Area for machinery:	870 Sq. Mtr
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable as it is Non coal mining B2 Category
	O & M cost:	Not applicable as it is Non coal mining B2 Category

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable as it is Non coal mining B2 Category	NA	NA	NA	NA
Amount of effluent generation (CMD):		Not applicable as it is Non coal mining B2 Category			

Capacity of the ETP:	Not applicable as it is Non coal mining B2 Category
Amount of treated effluent recycled :	Not applicable as it is Non coal mining B2 Category
Amount of water send to the CETP:	Not applicable as it is Non coal mining B2 Category
Membership of CETP (if require):	Not applicable as it is Non coal mining B2 Category
Note on ETP technology to be used	Not applicable as it is Non coal mining B2 Category
Disposal of the ETP sludge	Not applicable as it is Non coal mining B2 Category

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable as it is Non coal mining B2 Category	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable as it is Non coal mining B2 Category	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable as it is Non coal mining B2 Category	NA	NA	0

41.Source of Fuel	NA
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development	**Total RG area :**	As per Mining Closer plan (EMP)
	No of trees to be cut :	0
	Number of trees to be planted :	1200 number of total tress e.g. Mango, Neem, Jamun etc
	List of proposed native trees :	As per MPCB guideline
	Timeline for completion of plantation :	As per MPCB guideline

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	1200 Number of total Trees	e.g.: Mango, Neem, Jamun	1200	Indigenous species
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	NA	0	0

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA as it is B2 Category Non coal Mining
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	MSEDCL
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Standard cables & equipment & Timely Maintenance

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	0

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0
	O & M cost:	0

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drilling & Blasting	Dust	2 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Dust Suppression, Plantation & sprinkler	Dust	5 Lakhs for 5 years	1 lakh

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable as it is Non coal Mining
Parking details:	**Number and area of basement:**	Not Applicable as it is Non coal Mining
	Number and area of podia:	Not Applicable as it is Non coal Mining
	Total Parking area:	Not Applicable as it is Non coal Mining
	Area per car:	Not Applicable as it is Non coal Mining
	Area per car:	Not Applicable as it is Non coal Mining
	Number of 2-Wheelers as approved by competent authority:	Not Applicable as it is Non coal Mining
	Number of 4-Wheelers as approved by competent authority:	Not Applicable as it is Non coal Mining
	Public Transport:	Not Applicable as it is Non coal Mining
	Width of all Internal roads (m):	Sufficient width for vehicle movement
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Ghandhi National Park- 17.9 KM
	Category as per schedule of EIA Notification sheet	1(a)
	Court cases pending if any	No
	Other Relevant Informations	Project is of B2 Category Non coal Mining of 1 Ha

	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 applocation 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 1.00 ha. at Adivali Bhuvali Survey No.94-A , Taluka Thane, District Thane.

DECISION OF SEAC

During deliberations, it was observed that, PP has not submitted District Survey Report (DSR) along with the proposal.

In view of above, SEAC-1 decided to defer the proposal till submission of all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for Category B2

Is a Violation Case: No

1.Name of Project	Manoj Stone Crushing Company
2.Type of institution	Private
3.Name of Project Proponent	Mr. Satyadeo Komal Singh
4.Name of Consultant	M/s. Goldfinch Engineering Systems Pvt. Ltd.
5.Type of project	Project is B2 Category Non-Coal Mining
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 as this is new project
8.Location of the project	W.P.Forest Survey No. 104 Part,
9.Taluka	Thane
10.Village	Bhandarli,
Correspondence Name:	Mr. Satyadeo Komal Singh
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	W.P.Forest Survey No. 104 Part,
Locality:	Bhandarli, Post: Dahisar
City:	Thane
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	NA Project is B2 Category Non-Coal Mining
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No. ML/PL/Adm/503/Part 2/2016/467
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Thane Forest Division 2) Deputy Director, DGM Kolhapur (Mining Plan Approval)
15.Total Plot Area (sq. m.)	1.2 Ha
16.Deductions	NA Project is B2 Category Non-Coal Mining
17.Net Plot area	1.2 Ha Total Plot Area= Net Plot Area
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA Project is B2 Category Non-Coal Mining
	b) Non FSI area (sq. m.): NA Project is B2 Category Non-Coal Mining
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA Project is B2 Category Non-Coal Mining
	Approved Non FSI area (sq. m.): NA Project is B2 Category Non-Coal Mining
	Date of Approval: 29-03-2016
19.Total ground coverage (m2)	NA Project is B2 Category Non-Coal Mining
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA Project is B2 Category Non-Coal Mining
21.Estimated cost of the project	2256000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable as Project is B2 Category Non-Coal Mining
24.Number of expected residents / users	Not applicable as Project is B2 Category Non-Coal Mining
25.Tenant density per hectare	Not Not applicable as Project is B2 Category Non-Coal Mining
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not applicable as Project is B2 Category Non-Coal Mining
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Sufficient Road width is available for movement
29.Existing structure (s) if any	Small Office
30.Details of the demolition with disposal (If applicable)	Not applicable as Project is B2 Category Non-Coal Mining

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone Metal	0	2500	2500

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	7.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.5
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Wet season:	**Source of water**	Tanker Water
	Fresh water (CMD):	6
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	6
	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	0.5	0.5	0	0.5	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	05 to 14 m bgl
	Size and no of RWH tank(s) and Quantity:	Not applicable as Project is B2 Category Non-Coal Mining
	Location of the RWH tank(s):	Not applicable as Project is B2 Category Non-Coal Mining
	Quantity of recharge pits:	Not applicable as Project is B2 Category Non-Coal Mining
	Size of recharge pits :	Not applicable as Project is B2 Category Non-Coal Mining
	Budgetary allocation (Capital cost) :	Not applicable as Project is B2 Category Non-Coal Mining
	Budgetary allocation (O & M cost) :	Not applicable as Project is B2 Category Non-Coal Mining
	Details of UGT tanks if any :	Not applicable as Project is B2 Category Non-Coal Mining

35.Storm water drainage	**Natural water drainage pattern:**	Garland Drainage
	Quantity of storm water:	16 mm/day
	Size of SWD:	A garland of 7.5 m of barrier will be maintained

Sewage and Waste water	**Sewage generation in KLD:**	0.5 KLD
	STP technology:	Soak Pits
	Capacity of STP (CMD):	0.5 KLD
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	3.3
	Budgetary allocation (O & M cost):	0

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden Soil or Morrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable as Project is B2 Category Non-Coal Mining
Waste generation in the operation Phase:	**Dry waste:**	Not applicable as Project is B2 Category Non-Coal Mining
	Wet waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Hazardous waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Biomedical waste (If applicable):	Not applicable as Project is B2 Category Non-Coal Mining
	STP Sludge (Dry sludge):	Not applicable as Project is B2 Category Non-Coal Mining
	Others if any:	Top Soil or Morrum will be used for plantation
Mode of Disposal of waste:	**Dry waste:**	Not applicable as Project is B2 Category Non-Coal Mining
	Wet waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Hazardous waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Biomedical waste (If applicable):	Not applicable as Project is B2 Category Non-Coal Mining
	STP Sludge (Dry sludge):	Not applicable as Project is B2 Category Non-Coal Mining
	Others if any:	Top Soil or Morrum, weathered basalt is used for making roads, development of infrastructure, filling for landscaping to develop greenery
Area requirement:	**Location(s):**	W.P.Forest Survey no. 104 Part
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	4000 Sq. Mts
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable as Project is B2 Category Non-Coal Mining
	O & M cost:	Not applicable as Project is B2 Category Non-Coal Mining

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA	Na

Amount of effluent generation (CMD):	Not applicable as Project is B2 Category Non-Coal Mining
Capacity of the ETP:	Not applicable as Project is B2 Category Non-Coal Mining
Amount of treated effluent recycled :	Not applicable as Project is B2 Category Non-Coal Mining
Amount of water send to the CETP:	Not applicable as Project is B2 Category Non-Coal Mining
Membership of CETP (if require):	Not applicable as Project is B2 Category Non-Coal Mining
Note on ETP technology to be used	Not applicable as Project is B2 Category Non-Coal Mining
Disposal of the ETP sludge	Not applicable as Project is B2 Category Non-Coal Mining

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA
41.Source of Fuel		Quarrying Operation is only performed in day time & does not require High Tension Electric Power Supply		
42.Mode of Transportation of fuel to site		Not Applicable		

43.Green Belt Development	**Total RG area :**	As per Mine Closure Plan
	No of trees to be cut :	0
	Number of trees to be planted :	1250
	List of proposed native trees :	As Per MPCB Guidlines
	Timeline for completion of plantation :	As Per MPCB Guidlines

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	Magnifera Indica	Mango Tree	Total no. of trees include mango will be 1250	Indigenous species

2	Syzyjium Cumini	Jamun Tree	Total no. of trees include Jamun will be 1250	Indigenous Species
3	Azadirachta indica	Neem Tree	Total no. of trees include Neem will be 1250	Indigenous Species
4	Tamarandus indica	Tamarind	Total no. of trees include Tamarind will be 1250	Indigenous Species
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA as it is B2 Category Non-Coal Mining Project
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Standard Cables & Equipment' will be used and timely maintenance will be done.

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
Drilling & Blasting	NA	Sprinklers

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	Dust Suppression	Dust, SPM	4.5	0.9

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA as it is B2 Category Non-Coal Mining Project
Parking details:	**Number and area of basement:**	NA as it is B2 Category Non-Coal Mining Project
	Number and area of podia:	NA as it is B2 Category Non-Coal Mining Project
	Total Parking area:	NA as it is B2 Category Non-Coal Mining Project
	Area per car:	NA as it is B2 Category Non-Coal Mining Project
	Area per car:	NA as it is B2 Category Non-Coal Mining Project
	Number of 2-Wheelers as approved by competent authority:	NA as it is B2 Category Non-Coal Mining Project
	Number of 4-Wheelers as approved by competent authority:	NA as it is B2 Category Non-Coal Mining Project
	Public Transport:	NA as it is B2 Category Non-Coal Mining Project
	Width of all Internal roads (m):	NA as it is B2 Category Non-Coal Mining Project

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park is at 17.5 in NW direction
	Category as per schedule of EIA Notification sheet	1 (a)
	Court cases pending if any	No
	Other Relevant Informations	The project is of B2 Catrgory Non-coal Mining Project of 1.20 ha
	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 applocation 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 1.20 ha. at Bhadarli W.P. Forest Survey No.104 (p) , Taluka Thane, District Thane.

DECISION OF SEAC

During deliberations, it was observed that, PP has not submitted District Survey Report (DSR) along with the proposal.

In view of above, SEAC-1 decided to defer the proposal till submission of all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for Environmental Clearance for Catrgory B2

Is a Violation Case: No

1.Name of Project	M/s. Ram Stone Quarries
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohansingh Managalsingh Sodhi
4.Name of Consultant	M/s. Goldfinch Engineering Systems Pvt. Ltd.
5.Type of project	Project is B2 Category Non-Coal Mining
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 as this is new project
8.Location of the project	R.F. Survey No. 78/A
9.Taluka	Thane
10.Village	Ilthan Phada
Correspondence Name:	Mr. Mohansingh Managalsingh Sodhi
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Survey no 78/A, Ilthan Pada, Thane – Belapur Road
City:	Thane
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	NA Project is B2 Category Non-Coal Mining
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No. ML/PL/MIN-Adm/503/Part-3/2017/455
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Thane Forest Division 2) Deputy Director, DGM Kolhapur (mining Plan Approval)
15.Total Plot Area (sq. m.)	0.61 Ha
16.Deductions	NA Project is B2 Category Non-Coal Mining
17.Net Plot area	0.61 Ha Net Plot Area= Total Plot Area
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA Project is B2 Category Non-Coal Mining
	b) Non FSI area (sq. m.): NA Project is B2 Category Non-Coal Mining
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA Project is B2 Category Non-Coal Mining
	Approved Non FSI area (sq. m.): NA Project is B2 Category Non-Coal Mining
	Date of Approval: 17-04-2017
19.Total ground coverage (m2)	NA Project is B2 Category Non-Coal Mining
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA Project is B2 Category Non-Coal Mining
21.Estimated cost of the project	2950000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Small Office	1	2.5

23.Number of tenants and shops	NA Project is B2 Category Non-Coal Mining
24.Number of expected residents / users	NA Project is B2 Category Non-Coal Mining
25.Tenant density per hectare	NA Project is B2 Category Non-Coal Mining
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA Project is B2 Category Non-Coal Mining
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA Project is B2 Category Non-Coal Mining
29.Existing structure (s) if any	Small Office
30.Details of the demolition with disposal (If applicable)	NA Project is B2 Category Non-Coal Mining

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone Metal	0	1400	1400

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	7.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.5
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Wet season:	**Source of water**	Tanker Water
	Fresh water (CMD):	6
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	6
	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	01	01	0	0.5	0.5	0	0.5	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	05 to 14 m bgl
	Size and no of RWH tank(s) and Quantity:	NA Project is B2 Category Non-Coal Mining
	Location of the RWH tank(s):	NA Project is B2 Category Non-Coal Mining
	Quantity of recharge pits:	NA Project is B2 Category Non-Coal Mining
	Size of recharge pits :	NA Project is B2 Category Non-Coal Mining
	Budgetary allocation (Capital cost) :	NA Project is B2 Category Non-Coal Mining
	Budgetary allocation (O & M cost) :	NA Project is B2 Category Non-Coal Mining
	Details of UGT tanks if any :	NA Project is B2 Category Non-Coal Mining

35.Storm water drainage	**Natural water drainage pattern:**	Garland Drainage
	Quantity of storm water:	16 mm/day
	Size of SWD:	A garland of 7.5 m of barrier will be maintained

Sewage and Waste water	**Sewage generation in KLD:**	0.5 KLD
	STP technology:	Soak Pits
	Capacity of STP (CMD):	0.5 KLD
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	3.0
	Budgetary allocation (O & M cost):	0

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden Soil or Morrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable as Project is B2 Category Non-Coal Mining
Waste generation in the operation Phase:	**Dry waste:**	Not applicable as Project is B2 Category Non-Coal Mining
	Wet waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Hazardous waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Biomedical waste (If applicable):	Not applicable as Project is B2 Category Non-Coal Mining
	STP Sludge (Dry sludge):	Not applicable as Project is B2 Category Non-Coal Mining
	Others if any:	Top Soil or Morrum will be used for plantation
Mode of Disposal of waste:	**Dry waste:**	Not applicable as Project is B2 Category Non-Coal Mining
	Wet waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Hazardous waste:	Not applicable as Project is B2 Category Non-Coal Mining
	Biomedical waste (If applicable):	Not applicable as Project is B2 Category Non-Coal Mining
	STP Sludge (Dry sludge):	Not applicable as Project is B2 Category Non-Coal Mining
	Others if any:	Top Soil or Morrum, weathered basalt is used for making roads, development of infrastructure, filling for landscaping to develop greenery
Area requirement:	**Location(s):**	R.F. Survey no.78/A, Ilthan Pada, Thane – Belapur Road, District: Thane, Maharashtra
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Other and Un-Used Area 2161 Sq. Mtr
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable as Project is B2 Category Non-Coal Mining
	O & M cost:	Not applicable as Project is B2 Category Non-Coal Mining

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA	NA

Amount of effluent generation (CMD):	Not applicable as Project is B2 Category Non-Coal Mining
Capacity of the ETP:	Not applicable as Project is B2 Category Non-Coal Mining
Amount of treated effluent recycled :	Not applicable as Project is B2 Category Non-Coal Mining
Amount of water send to the CETP:	Not applicable as Project is B2 Category Non-Coal Mining
Membership of CETP (if require):	Not applicable as Project is B2 Category Non-Coal Mining
Note on ETP technology to be used	Not applicable as Project is B2 Category Non-Coal Mining
Disposal of the ETP sludge	Not applicable as Project is B2 Category Non-Coal Mining

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable as Project is B2 Category Non-Coal Mining	NA	NA	NA
41.Source of Fuel		Not applicable as Project is B2 Category Non-Coal Mining		
42.Mode of Transportation of fuel to site		Not applicable as Project is B2 Category Non-Coal Mining		

43.Green Belt Development	**Total RG area :**	As per Mine Closure Plan
	No of trees to be cut :	0
	Number of trees to be planted :	1050
	List of proposed native trees :	As Per MPCB Guidlines
	Timeline for completion of plantation :	As Per MPCB Guidlines

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	Mangnifera Indica	Mango Tree	Total no. of trees include mango will be 1050	Indigenous Tree

2	Syzyjium Cumini	Jamun Tree	Total no. of trees include Jamun will be 1050	Indigenous Tree
3	Azadirachta indica	Neem Tree	Total no. of trees include Neem will be 1050	Indigenous Tree
4	Tamarandus indica	Tamarind	Total no. of trees include Tamarind will be 1050	Indigenous Tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA as it is B2 Category Non-Coal Mining Project
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Standard Cables & Equipment' will be used and timely maintenance will be done.

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
Drilling & Blasting	NA	Sprinklers

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	Dust Suppression	Dust,SPM	4.0	0.8

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA as it is B2 Category Non-Coal Mining Project	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA as it is B2 Category Non-Coal Mining Project

Parking details:	**Number and area of basement:**	NA as it is B2 Category Non-Coal Mining Project
	Number and area of podia:	NA as it is B2 Category Non-Coal Mining Project
	Total Parking area:	NA as it is B2 Category Non-Coal Mining Project
	Area per car:	NA as it is B2 Category Non-Coal Mining Project
	Area per car:	NA as it is B2 Category Non-Coal Mining Project
	Number of 2-Wheelers as approved by competent authority:	NA as it is B2 Category Non-Coal Mining Project
	Number of 4-Wheelers as approved by competent authority:	NA as it is B2 Category Non-Coal Mining Project
	Public Transport:	NA as it is B2 Category Non-Coal Mining Project
	Width of all Internal roads (m):	NA as it is B2 Category Non-Coal Mining Project
	CRZ/ RRZ clearance obtain, if any:	NA as it is B2 Category Non-Coal Mining Project
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park at 18.50 km in NW
	Category as per schedule of EIA Notification sheet	1 (a)
	Court cases pending if any	NO
	Other Relevant Informations	The project is of B2 Catrgory Non-coal Mining Project of 1.20 ha
	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 applocation 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 0.61 ha. at Ilthan Pada Survey No.78/A , Taluka Thane, District Thane.

DECISION OF SEAC

During deliberations, it was observed that, PP has not submitted District Survey Report (DSR) along with the proposal.

In view of above, SEAC-1 decided to defer the proposal till submission of all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Subject: Environment Clearance for Stone Quarry B2 Category Non Coal Mining

Is a Violation Case: No

1.Name of Project	Mangalsingh & Company
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kashmir Mangalsingh Sodhi
4.Name of Consultant	M/s.Goldfinch Engineering Systems Pvt. Ltd.
5.Type of project	Others
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 as this is new project
8.Location of the project	R.F. Survey No.78/A, Thane-Belapur Road,
9.Taluka	Thane
10.Village	Ilthan Pada
Correspondence Name:	Mr. Kashmir Mangalsingh Sodhi
Room Number:	office no. 3
Floor:	NA
Building Name:	Aaram Baug Estate Building
Road/Street Name:	Veer Savarkar Path
Locality:	Near Lokmanya Society
City:	Thane
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	NA as it is B2 Category Non Coal Mining Project
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No. ML/PL/MIN-ADM/503/Part-3/2017/456
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA as it is B2 Category Non Coal Mining Project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Thane Forest Division. 2)Deputy Director, DGM Kolhapur (Mining Plan Approval)
15.Total Plot Area (sq. m.)	1.0 Ha
16.Deductions	NA as it is B2 Category Non Coal Mining Project
17.Net Plot area	1.0 Ha Net Plot Area= Total Plot Area
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA as it is B2 Category Non Coal Mining Project
	b) Non FSI area (sq. m.): NA as it is B2 Category Non Coal Mining Project
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA as it is B2 Category Non Coal Mining Project
	Approved Non FSI area (sq. m.): NA as it is B2 Category Non Coal Mining Project
	Date of Approval: 17-04-2017
19.Total ground coverage (m2)	NA as it is B2 Category Non Coal Mining Project
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA as it is B2 Category Non Coal Mining Project
21.Estimated cost of the project	3050000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Small office	1	2.5

23.Number of tenants and shops	NA as it is B2 Category Non Coal Mining Project
24.Number of expected residents / users	NA as it is B2 Category Non Coal Mining Project
25.Tenant density per hectare	NA as it is B2 Category Non Coal Mining 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)	NA as it is B2 Category Non Coal Mining Project
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Sufficient road is available for movement
29.Existing structure (s) if any	Small Office
30.Details of the demolition with disposal (If applicable)	NA as it is B2 Category Non Coal Mining Project

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA as it is B2 Category Non Coal Mining Project	0	1400	1400

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	7.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.5
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Tanker Water
	Fresh water (CMD):	6
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	6
	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	0.5	0.5	0	0.5	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14 m bgl
	Size and no of RWH tank(s) and Quantity:	NA as it is B2 Category Non Coal Mining Project
	Location of the RWH tank(s):	NA as it is B2 Category Non Coal Mining Project
	Quantity of recharge pits:	NA as it is B2 Category Non Coal Mining Project
	Size of recharge pits :	NA as it is B2 Category Non Coal Mining Project
	Budgetary allocation (Capital cost) :	NA as it is B2 Category Non Coal Mining Project
	Budgetary allocation (O & M cost) :	NA as it is B2 Category Non Coal Mining Project
	Details of UGT tanks if any :	NA as it is B2 Category Non Coal Mining Project
35.Storm water drainage	**Natural water drainage pattern:**	Garland Drainage
	Quantity of storm water:	16 mm/day
	Size of SWD:	A garland of 7.5 m of barrier will be maintained
Sewage and Waste water	**Sewage generation in KLD:**	0.5 KLD
	STP technology:	Soak Pits
	Capacity of STP (CMD):	0.5 CMD
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	2.0 Lakhs
	Budgetary allocation (O & M cost):	0
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden Soil or Morrum will be used for plantation
	Disposal of the construction waste debris:	NA as it is B2 Category Non Coal Mining Project
Waste generation in the operation Phase:	**Dry waste:**	NA as it is B2 Category Non Coal Mining Project
	Wet waste:	NA as it is B2 Category Non Coal Mining Project
	Hazardous waste:	NA as it is B2 Category Non Coal Mining Project
	Biomedical waste (If applicable):	NA as it is B2 Category Non Coal Mining Project
	STP Sludge (Dry sludge):	NA as it is B2 Category Non Coal Mining Project
	Others if any:	Overburden Soil or Morrum will be used for plantation

Mode of Disposal of waste:	**Dry waste:**	NA as it is B2 Category Non Coal Mining Project
	Wet waste:	NA as it is B2 Category Non Coal Mining Project
	Hazardous waste:	NA as it is B2 Category Non Coal Mining Project
	Biomedical waste (If applicable):	NA as it is B2 Category Non Coal Mining Project
	STP Sludge (Dry sludge):	NA as it is B2 Category Non Coal Mining Project
	Others if any:	Top Soil or Morrum, weathered basalt is used for making roads, development of infrastructure, filling for landscaping to develop greenery
Area requirement:	**Location(s):**	R.F. Survey No.78/A, Thane-Belapur Road, Navi Mumbai, Thane 400 708
	Area for the storage of waste & other material:	NA as it is B2 Category Non Coal Mining Project
	Area for machinery:	2103 Sq. Mtr
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA as it is B2 Category Non Coal Mining Project
	O & M cost:	NA as it is B2 Category Non Coal Mining Project

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA as it is B2 Category Non Coal Mining Project	NA	NA	NA	NA

Amount of effluent generation (CMD):	NA as it is B2 Category Non Coal Mining Project
Capacity of the ETP:	NA as it is B2 Category Non Coal Mining Project
Amount of treated effluent recycled :	NA as it is B2 Category Non Coal Mining Project
Amount of water send to the CETP:	NA as it is B2 Category Non Coal Mining Project
Membership of CETP (if require):	NA as it is B2 Category Non Coal Mining Project
Note on ETP technology to be used	NA as it is B2 Category Non Coal Mining Project
Disposal of the ETP sludge	NA as it is B2 Category Non Coal Mining Project

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA as it is B2 Category Non Coal Mining Project	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	NA as it is B2 Category Non Coal Mining Project	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA as it is B2 Category Non Coal Mining Project	NA	NA	NA
41.Source of Fuel		NA as it is B2 Category Non Coal Mining Project		
42.Mode of Transportation of fuel to site		NA as it is B2 Category Non Coal Mining Project		

43.Green Belt Development	**Total RG area :**	As per Mine Closure Plan
	No of trees to be cut :	0
	Number of trees to be planted :	1500
	List of proposed native trees :	As Per MPCB Guidlines
	Timeline for completion of plantation :	As Per MPCB Guidlines

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	Mangnifera Indica	Mango Tree	Total no. of trees include mango will be 1500	Indigenous Tree
2	Syzyjium Cumini	Jamun Tree	Total no. of trees include Jamun will be 1500	Indigenous Tree
3	Azadirachta indica	Neem Tree	Total no. of trees include Neem will be 1500	Indigenous Tree
4	Tamarandus indica	Tamarind	Total no. of trees include Tamarind will be 1500	Indigenous Tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA as it is B2 Category Non Coal Mining Project
	DG set as Power back-up during construction phase	NA as it is B2 Category Non Coal Mining Project
	During Operation phase (Connected load):	NA as it is B2 Category Non Coal Mining Project
	During Operation phase (Demand load):	NA as it is B2 Category Non Coal Mining Project
	Transformer:	NA as it is B2 Category Non Coal Mining Project
	DG set as Power back-up during operation phase:	NA as it is B2 Category Non Coal Mining Project
	Fuel used:	NA as it is B2 Category Non Coal Mining Project
	Details of high tension line passing through the plot if any:	NA as it is B2 Category Non Coal Mining Project

48.Energy saving by non-conventional method:

Standard Cables & Equipment' will be used and timely maintenance will be done.

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
Drilling & Blasting	NA	Sprinklers

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	Dust Suppression	Dust, SPM	4.0	0.8

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA as it is B2 Category Non Coal Mining Project	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA as it is B2 Category Non Coal Mining Project
Parking details:	**Number and area of basement:**	NA as it is B2 Category Non Coal Mining Project
	Number and area of podia:	NA as it is B2 Category Non Coal Mining Project
	Total Parking area:	NA as it is B2 Category Non Coal Mining Project
	Area per car:	NA as it is B2 Category Non Coal Mining Project
	Area per car:	NA as it is B2 Category Non Coal Mining Project
	Number of 2-Wheelers as approved by competent authority:	NA as it is B2 Category Non Coal Mining Project
	Number of 4-Wheelers as approved by competent authority:	NA as it is B2 Category Non Coal Mining Project
	Public Transport:	NA as it is B2 Category Non Coal Mining Project
	Width of all Internal roads (m):	NA as it is B2 Category Non Coal Mining Project
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park is at 12.1 Km in North West direction
	Category as per schedule of EIA Notification sheet	1 (a)
	Court cases pending if any	No
	Other Relevant Informations	The project is of B2 Category Non-Coal Mining Project of 1.00 Ha

	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 applocation 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 1.00 ha. at Ilthan Pada Survey No.78/A , Taluka Thane, District Thane.

DECISION OF SEAC

During deliberations, it was observed that, PP has not submitted District Survey Report (DSR) along with the proposal.

In view of above, SEAC-1 decided to defer the proposal till submission of all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

165th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 165th -Day 3 **Meeting Date** May 6, 2019

Subject: Environment Clearance for proposed Expansion of manufacturing capacity of synthetic organic chemicals at Gat No- 285, 286/4, 287, Notified Industrial Zone/Area, Village Sanghvi, Taluka:Khandala, Shirwal – 412801 Off Pune-Bangalore Highway (NH4), Dist: Satara, Maharashtra by M/s. DBS CHEMICALS

Is a Violation Case: No

1.Name of Project	Expansion of manufacturing capacity of synthetic organic chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Devdatta Utgi, M/s. DBS CHEMICALS
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Synthetic Organic Chemical Industry
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, the unit was established in 1992 i.e. prior to the EIA Notification, 1994 and 2006. However, Consent to Operate was taken from MPCB and the same was renewed time to time.
8.Location of the project	Gat No- 285, 286/4, 287, Notified Industrial Zone/Area, village Sanghvi, Taluka: Khandala Shirwal – 412801 Off Pune- Bangalore Highway (NH4), Dist: Satara, Maharashtra
9.Taluka	Khandala
10.Village	Sanghvi
Correspondence Name:	Mr. Devdatta Utgi (Proprietor)
Room Number:	2
Floor:	1st
Building Name:	Yashodeep, Bldg. A
Road/Street Name:	-
Locality:	Rambaug Colony, Sadashiv Peth
City:	Pune
11.Area of the project	Notified Industrial Zone/Area of Shirwal
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Expansion of existing unit
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Obtained Consent to Establish from MPCB vide letter Format.1.0/BO/AST/UAN No. 0000069307/E/CC-1903001366 dated 25.03.2019 for expansion project.
15.Total Plot Area (sq. m.)	8,537 m2
16.Deductions	Not applicable
17.Net Plot area	8,537 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4,491 m2
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 4491
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 23-10-1992
19.Total ground coverage (m2)	4,491 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53%
21.Estimated cost of the project	44887346

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	Workers + staff + Management: 50 Nos.
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 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	• At present, Industry is manufacturing 8 MT/Month of Para Amino Azo Benzene (PAAB). • It is proposed to increase the manufacturing capacity of PAAB from 8 MT/M to 80 MT/M with addition of 27 new products. • The expansion is proposed within the existing factory premises
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Para Amino Azo Benzene (PAAB)	8	72	80
2	Ortho Amino Azo Toluene (OAAT)	0	120	120
3	Yellow Dye	0	05	05
4	Basic Red 51 / DBSR5X	0	02	02
5	Basic Red 76/DBSR7X	0	01	01
6	Basic Brown 16/DBSBR6X	0	01	01
7	Basic Brown 17/DBSBR7X	0	01	01
8	Basic Orange 31/DBSO3X	0	01	01
9	Basic Yellow 87/DBSY8X	0	1.5	1.5
10	Basic Blue 99/DBSBL9X	0	01	01
11	Basic Blue 124/77/DBSBL124X	0	01	01

12	HC yellow 4/DBSHC4Y	0	1.5	1.5
13	HC yellow 5/DBSHC5Y	0	02	02
14	HC Blue 15/DBSHC15BL	0	01	01
15	Basic Violet 2/DBSB2V(Only Purification)	0	01	01
16	HC blue 16/DBSHC16BL	0	01	01
17	Basic Yellow 57/DBSY5X	0	01	01
18	HC Blue 2/DBSHC2BL	0	06	06
19	Tyrian Purple /DBST Purple (Mixing and Blending)	0	01	01
20	Ebony Dye/ DBSED (Mixing and Blending)	0	01	01
21	5 Methoxy 2 Tetralone/DBS5M2T	0	01	01
22	7 Methoxy 2 Tetralone/DBS7M2T	0	01	01
23	Fast Yellow PG Base/ DBS Yellow B Base	0	40	40
24	LN Chloride/ 3D8 Sulphate/ DBS violet Dye	0	02	02
25	BBDC Sulphate/ DBS Blue Dye	0	02	02
26	Red Dye/DBS Red Dye	0	02	02
27	HC Yellow 2 / DBSHC2Y (Mixing and Blending)	0	01	01
28	Nibitree / DBSNTR (Only Purification)	0	01	01

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	55.05 KLD
	Recycled water - Flushing (CMD):	2.2 KLD
	Recycled water - Gardening (CMD):	15.4 KLD
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	73.55 KLD
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	10 KL (Surface)
	Excess treated water	0 KLD
Wet season:	**Source of water**	Grampanchayat
	Fresh water (CMD):	55.05 KLD
	Recycled water - Flushing (CMD):	2.2 KLD
	Recycled water - Gardening (CMD):	15.4 KLD
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	73.55 KLD
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	10 KL (Surface)
	Excess treated water	0 KLD
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	1	5.5	6.5	0.2	1	1.2	0.8	4.5	5.3
Industrial Process	2.8	23.65	26.45	1.6	2.65	4.25	1.2	21	22.2
Cooling tower & thermopack	2	28	30	1.85	21.8	23.65	0.15	6.2	6.3

Fresh water requirement	0.2	10.4	10.6	0.05	4.7	4.75	0.15	5.7	5.9

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 - 8 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	• 7.5 m3 (4 Nos) – Acid Storage • 30 m3 (1 Nos), 15 m3(1 Nos) – Ortho-Toluidine • 20 m3 (1 Nos) - Aniline • 10 m3 (1 Nos) – Waste Solvent Tank • 8 m3 (1 Nos) – Oleum Tank • 8 m3 (1 Nos) – H2SO4 Tank ___ (all are Over Ground (OG) tanks)
35.Storm water drainage	**Natural water drainage pattern:**	Towards west side of the plot
	Quantity of storm water:	522 m3/hr
	Size of SWD:	250 mm x 400 mm
Sewage and Waste water	**Sewage generation in KLD:**	Total waste water Generation: 17.6 KLD (• Sewage Generation: 5.3 KLD • Effluent Generation: 12.3 KLD)
	STP technology:	• Sewage will be mixed in equalization tank of ETP and treated water will be used for flushing and gardening. (Refer Sr. No. 38 for technology)
	Capacity of STP (CMD):	• Existing ETP 10 KLD and proposed augmentation of existing ETP upto 35 KLD
	Location & area of the STP:	Ground (70 m2)
	Budgetary allocation (Capital cost):	Rs. 30 Lakh
	Budgetary allocation (O & M cost):	Rs. 6.0 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	During Construction – the works will be allotted on Turn Key Basis where the contractor will takes away any construction waste on site and disposes off as per regulations.
	Disposal of the construction waste debris:	Construction waste will be handled as per the “Construction and Demolition Waste Management Rules, 2016”

Waste generation in the operation Phase:	**Dry waste:**	10 kg/d
	Wet waste:	15 kg/d
	Hazardous waste:	• 20.3 Distillation residues – 1.77 MT/M, • 26.1 Process waste/ Residues (Tar) – 6.75 MT/M, • 35.3 Chemical sludge from wastewater treatment – 20.5 MT/M • 20.2 Spent Solvent – 26 MT/M
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	ETP sludge: 1 kg/d
	Others if any:	Packaging Material & Boiler Ash
Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to authorized recyclers
	Wet waste:	Wet waste will be composted using vermicomposting pit and will be used as a manure for landscaping
	Hazardous waste:	Handed over to CHWTSDF (Membership obtained)
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	ETP sludge: Handed over to CHWTSDF (Membership obtained)
	Others if any:	• Packaging material will be handed over to authorized recyclers and • The Boiler ash will be given to the brick Manufacturer
Area requirement:	**Location(s):**	On Ground within factory premises
	Area for the storage of waste & other material:	• Hazardous Material: 75 m2 • Packaging Material: 28 m2 • Non-Hazardous solid waste: 28 m2
	Area for machinery:	Vermi-composting pit area: 1 m2 (2 Pits)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 0.8 Lakh
	O & M cost:	Rs. 0.25 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7.2	6.7	6.5 - 8.5
2	BOD (3 days 27 0C)	mg/l	1550	22	<100
3	COD	mg/l	4640	64	<250
4	Suspended Solids	mg/l	422	8	<100
5	Oil & Grease	mg/l	36.4	BDL	<10
6	TDS	mg/l	71850	744	<2100
7	Chlorides	mg/l	68779	135	<600
8	Sulphates	mg/l	604	34	<1000

Amount of effluent generation (CMD):	Effluent Generation: 12.3 KLD and Sewage generation: 5.3 KLD
Capacity of the ETP:	• Existing 10 KLD and proposed augmentation of existing ETP upto 35 KLD • MEE + ATFD (ZLD): 30 KLD
Amount of treated effluent recycled :	• Recycled for Flushing: 2.2 KLD • Recycled for Gardening: 15.4 KLD
Amount of water send to the CETP:	0 KLD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Effluent collection, Neutralization, Coagulation / Flocculation, Sedimentation in Primary Settling tank, Aeration tank, Secondary settling tank, Pressure Sand Filter, Activated Carbon Filter, Treated water storage tank

Disposal of the ETP sludge	Handed over to CHWTSDF (Membership obtained)

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation residues	20.3	MT/M	0.17	1.6	1.77	CHWTSDF
2	Process waste/ Residues (Tar)	26.1	MT/M	0	6.75	6.75	CHWTSDF/ Sale to Authorised Dealer
3	Chemical sludge from wastewater treatment	35.3	MT/M	0.5	20	20.5	CHWTSDF
4	Spent Solvent	20.2	MT/M	0	26	26	Sale to Authorised recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	IBR Boiler (1 TPH)	Briquettes	1	30	0.35	125 -150 0C
2	IBR Boiler (2 TPH)	Briquettes	2	30	0.35	125 -150 0C
3	Process stack (HNO2 scrubber), 3 Nos.	Water scrubber	3, 4 & 5	17	0.25	25 0C
4	Thermic fluid heater	HSD	6	8	0.25	125 -150 0C
5	DG Set (125 kVA)	HSD	7	4	0.05	150 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquettes	0 T/day	2.7 T/day	2.7 T/day
2	HSD	25 L/day	0 L/day	25 L/day
3	LDO	300 L/day	0 L/day	300 L/day
4	Wood	0.5 T/day	0 T/day	0 T/day
41.Source of Fuel		• Briquettes – Local Supplier • HSD & LDO - Government Authorised Supplier		
42.Mode of Transportation of fuel to site		Road transport		

43.Green Belt Development	**Total RG area :**	4,046 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	• Trees planted till date: 250 Nos. • Nos. of trees to be planted: 40 Nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	1-2 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	MIMUSOP ELENGI	Bakul	08	As medicinal value, Bird and insect attractive.

2	SARACA INDICA	Sita Ashok	12	As medicinal value, Bird and insect attractive.
3	BAUHINIA PURPUREA	Apta	06	Small tree with small white flowers, Butterfly host plant
4	MICHELIA CHAMPACA	Chafa	06	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
5	NYCTANTHES ARBOR TRISTIS	Parijat	08	Small deciduous fast growing tree, beautiful flowers.
6	POLYALTHIA LONGIFOLIA	Ashoka Tree	10	Shady tree with red-yellow flowers.
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 :**	MSEB
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	127 kW
	During Operation phase (Demand load):	90 kW
	Transformer:	315 kVA
	DG set as Power back-up during operation phase:	1 x 125 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Use of Energy Efficient Pumps & Motors Tanks and ETP, MEE etc.
- Energy efficient lighting fixtures (LED lights)
- Solar Street lighting in landscape, open spaces (5 kW)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving	>20

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Air pollution from IBR Boiler	Chimney (Water scrubber)	Chimney (Water scrubber)
Air Pollution from DG Set	Stack has been provided	Stack has been provided
Air pollution from flue gases from process	Water scrubbers	Water scrubbers
Waste water (Domestic + Effluent)	Septic tank, soak pits and ETP	ETP + MEE & ATFD
Noise from Machinery area, Boiler, DG set etc.	Personal protective equipments and Acoustic enclosures to DG set	Personal protective equipments and Acoustic enclosures to DG set

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6.0 Lakh
	O & M cost:	Rs. 2.4 Lakh/year

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 and Noise pollution control system	PM, Leq	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	ETP & MEE+ ATFD	Continuous O & M	150	80
2	Expenditure on energy saving measures	Weekly	6	2.4
3	Solid Waste Management	Continuous O & M	1	0.5
4	Landscape	Daily	5	2.4
5	EMC recurring expenditure	Env. Engg salary, Documentation Assistants, support staff, office expenses & Housekeeping etc.	10	12
6	Statutory compliance for Environmental protection	Monitoring by MoEF/NABL approved agency	5	5

7	Occupational health & Safety	Manning of OHS, OHS expenses, Environmental and Safety audits	5	5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
7.5 m3 (4 Nos) – Acid Storage	-	On Ground	30	25	60	Private supplier	Tanker
30m3 (1 Nos), 15 m3(1 Nos) – Ortho-Toluidine	-	On Ground	45	40	106	Private supplier	Tanker
20 m3 (1 Nos) - Aniline	-	On Ground	20	18	90	Private supplier	Tanker
10 m3 (1 Nos) – Waste Solvent Tank	-	On Ground	10	10	-	Sale to SPCB Authorised dealer	Tanker
8 m3 (1 Nos) – Oleum Tank	-	On Ground	8	8	1.5	Private supplier	Tanker
8 m3 (1 Nos) – H2SO4 Tank	-	On Ground	8	8	3	Private supplier	Tanker

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:	40 m2
	Area per car:	13.5 m2
	Area per car:	13.5 m2
	Number of 2-Wheelers as approved by competent authority:	15 Nos.
	Number of 4-Wheelers as approved by competent authority:	2 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f) Synthetic organic chemicals industry
	Court cases pending if any	No court cases are pending against the project
	Other Relevant Informations	TOR was issued in 17th EAC meeting held on 28.12.2016 and public hearing was exempted in 19th EAC meeting held on 06.02.2017 (Minutes Attached).
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge, PP proposes scrubber to the process vents . As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	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 at project site.
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 90 KW which will be supplied by MSEDCL. PP proposes one numbers of 125 KVA DG Sets.
Traffic circulation system and risk assessment	PP to provide adequate parking space within the plot area and submit revised layout plan.
Landscape Plan	PP proposes to provide 35% green belt within the plot area.
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 Rs. 3.0 Lakh EMP cost during construction phase, Rs. 182.00 Lakhs as capital cost and Rs. 107.30 Lakhs and 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

M/s DBS CHEMICALS, at plot No. 285,286/4,287 at Sanghvi, Shirwal has obtianed ToR during 17th EAC meeting held on 26th to 28th December, 2016 where in ToR was grnated to the PP with expemption for the Public Hearing.

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 recommend the proposal for prior Environmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

1) PP to submit structural stability certificate of existing structures on site with respect to the proposed expansion and age on the structures.
2) PP to ensure strict compliance to the observations of the HAZOP and Risk Assessment study.
3) PP to include monitoring of water and carbon foot print in the Environmental Management Program.
4) 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