Discussion Item: M/s Monomer Chemicals Pvt. Ltd.

1. M/s Monomer Chemicals Pvt. Ltd. Applied for Consent to Establish to the MPCB on 16.02.2018 vide No. Format 1.0/BO/AST/UAN No. 0000034408/E/CC-1802001186.
2. M/s Monomer Chemicals Pvt. Ltd. Applied for Consent to Operate vide UAN No. MPCB-CONSENT-0000055666 on 01.09.2018. The MPCB issued show cause notice to the Project Proponent as they have applied to Consent to Operate without obtaining Environmental Clearance as stipulated in the Consent to Establish letter.
3. PP vide letter dated 18.02.2019 requested SEIAA to issue a letter to MPCB for non-applicability of Environmental Clearance for their Construction Chemical products.
4. SEIAA vide their note dated 22.05.2019 requested SEAC-1 to submit clarification on applicability of the Environmental Clearance to the proposed products of M/s Monomer Chemicals Pvt. Ltd.

During deliberations PP informed that, they are willing to add following products known as Construction Chemicals in their Consent Letter.

1. Isoflow
2. Isofix
3. Isocfrete
4. Isofloor
5. Isoproof
6. Isoseal

PP explained the process during meeting which involves liquid solid mixing for which various additives are being added in the processes.

After going through the proposed manufacturing process, SEAC-1 asked PP to submit details of process flow/process description, pollution potential involved in the process and its mitigation measures along with a certificate/clarification from the reputed Government Institute dealing with Chemical Technology/Chemical Research like ICT/NCL etc. with respect to the proposed processes whether they involve any synthesis of organic chemicals as stipulated in the category 5(f) of the Schedule attached to the EIA Notification, 2006.

In view of above, SEAC-1 decided to defer the proposal till PP submits detailed documents as mentioned above.

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Environment and CRZ clearance for proposed expansion of multipurpose terminal "United Dockyard" with jetty for cargo handling and ship repair facility using floating dry dock at S. No. 41 & 42, H. No. 18 & 19/1, village Katale (Jaigad creek), Tal Guhagar, Dist. Ratnagiri, Maharashtra by M/s. Marine Syndicate Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of Multipurpose Terminal "United Dockyard"
2.Type of institution	Private
3.Name of Project Proponent	Mariner, Dilip Bhatkar, M/s. Marine Syndicate Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Expansion of Multipurpose Terminal. The expansion is proposed for: • Cargo handling capacity: upto 0.2 MTPA (including coal), • Repair of 24 to 30 small ships, barges, tugs, supply vessels etc. upto 75 m length and 5 m draft (on floating dry Dock) per year • Cargo unloading jetty: 13 m x 25 m
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, there is an existing loading jetty approved by MMB.
8.Location of the project	S. No. 41 & 42, H. No. 18 & 19/1, village Katale (Jaigad creek), Tal Guhagar, Dist. Ratnagiri, Maharashtra.
9.Taluka	Guhagar
10.Village	Katale (Jaigad Creek)
Correspondence Name:	Mariner, Dilip Bhatkar
Room Number:	-
Floor:	1st floor
Building Name:	Neelashri
Road/Street Name:	Thiba Palace Road
Locality:	-
City:	Ratnagiri - 415612
11.Whether in Corporation / Municipal / other area	MMB
12.IOD/IOA/Concession/Plan Approval Number	• MMB has approved Cargo shipment and ship repair work at this multipurpose terminal and granted 3,500 m2 water frontages (100 m) on lease for this multipurpose terminal • MMB has granted permission for operation of Floating Dry Dock.
	IOD/IOA/Concession/Plan Approval Number: • MMB has approved Cargo shipment and ship repair work at this multipurpose terminal and granted 3,500 m2 water frontages (100 m) on lease for this multipurpose terminal • MMB has granted permission for operation of Floating Dry Dock.
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Expansion of existing port i.e. increase in cargo capacity along with ship repair facility
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	• MMB has approved Cargo shipment and ship repair work at this multipurpose terminal and granted 3,500 m2 water frontages (100 m) on lease for this multipurpose terminal • MMB has granted permission for operation of Floating Dry Dock.
15.Total Plot Area (sq. m.)	29,030 m2
16.Deductions	-
17.Net Plot area	29,030 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 400.00 m2
	b) Non FSI area (sq. m.): 0.0 m2
	c) Total BUA area (sq. m.): 400.00

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 0.0 m2
	Approved Non FSI area (sq. m.): 0.0 m2
	Date of Approval: 15-12-2014
19.Total ground coverage (m2)	400.00 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	1.5%
21.Estimated cost of the project	18000000

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	Workers + staff: 40 Nos.
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)	Existing 9 m wide approachable road which connects to SH-105 (Tavsal-Abloli).
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, port is handling 0.1 MTPA cargo (Non-Hazardous)
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	Cargo handling (Bauxite, Laterite, Coal, Fertilizers, Molasses etc. bulk, bagged and non-hazardous liquid cargo etc.)	0.1 MTPA	0.1 MTPA	0.2 MTPA
2	Ship Repair (on floating dry dock)	00	24-30 Nos.	24-30 Nos.

32.Total Water Requirement

Dry season:	**Source of water**	Well water + Tanker Water
	Fresh water (CMD):	2.5 KLD
	Recycled water - Flushing (CMD):	2 KLD
	Recycled water - Gardening (CMD):	2.3 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10 KLD
	Fire fighting - Underground water tank(CMD):	10 KL
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	Excess Treated Water to gardening/ dust suppression
Wet season:	**Source of water**	Well water + Tanker Water
	Fresh water (CMD):	2.5 KLD
	Recycled water - Flushing (CMD):	2 KLD
	Recycled water - Gardening (CMD):	2.3 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10 KLD
	Fire fighting - Underground water tank(CMD):	10 KL
	Fire fighting - Overhead water tank(CMD):	-
	Excess treated water	Excess Treated Water to gardening/ dust suppression
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	0.5	4	4.5	0.05	0.15	0.2	0.45	3.85	4.3

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 to 3 m
	Size and no of RWH tank(s) and Quantity:	1 Tank of total 15 m3 capacity
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1.5 lakh
	Budgetary allocation (O & M cost) :	0.25 lakh/ year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	Towards South side of the plot
	Quantity of storm water:	201.7 m3/hr
	Size of SWD:	Channels with 600 mm wide with 4 Nos. of settling pits will be provided along with the storm water drain lines to arrest any course particle/material entering into the creek.
Sewage and Waste water	**Sewage generation in KLD:**	Sewage Generation: 4.3 KLD
	STP technology:	STP - Phytorid technology (Domestic sewage) and ETP - (Bilge and oily water treatment)
	Capacity of STP (CMD):	STP: 10 KLD and ETP: 10 KLD
	Location & area of the STP:	Ground (Total: 40 m2)
	Budgetary allocation (Capital cost):	STP: Rs. 5 Lakh, ETP: Rs. 15 Lakh
	Budgetary allocation (O & M cost):	STP: Rs. 1 Lakh/y & ETP: Rs. 5 Lakh/y
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The construction debris generated during construction phase will be around 20 m3.
	Disposal of the construction waste debris:	The construction debris will be utilized at site (outside CRZ) for site formation/levelling/ Road filling wherever possible.
Waste generation in the operation Phase:	**Dry waste:**	8 kg/d
	Wet waste:	12 kg/d
	Hazardous waste:	Used Oil/Oily wastes and other hydrocarbon compounds (fuels and grease), Paint waste residues, Slop oil etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.1 m3/day
	Others if any:	Metal waste, E-Waste, Glass material & used batteries etc.

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be handed over to authorized recyclers.
	Wet waste:	Wet garbage will be composted using vermi- Composting pit and used as organic manure for landscaping.
	Hazardous waste:	Handed over to CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	• Scrap metal in the form of sheet & solid metal off-cuts will be handed over to authorized recyclers. • The E-waste shall be handed over to e-waste management vendor authorized by MPCB (if any). • Used Batteries will be stored in a designated bounded area or disposed of as per Batteries (Management and Handling) Rules, 2001.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Total area provided: 400 m2 (i.e. Designated storage for Hazardous and Non-hazardous waste storage). Open stock yard for Cargo storage: 1,200 m2
	Area for machinery:	Area for vermicomposting pit: 3 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lakh
	O & M cost:	10 Lakh/y

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5-9	6.5-8	6.5 – 8.5
2	BOD (3 days 270 C)	mg/l	700	<10	<30
3	COD	mg/l	2000	<30	<250
4	Suspended Solids	mg/l	115	8.0	<100
5	Oil & Grease	mg/l	20	BDL	<10
6	TDS	mg/l	2000	744	<2100

Amount of effluent generation (CMD):	~ 6 KLD
Capacity of the ETP:	10 KLD
Amount of treated effluent recycled :	6 KLD
Amount of water send to the CETP:	0 KLD
Membership of CETP (if require):	No
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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

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

1	DG set (2 x 125 kVA)	HSD (22 lit/hr)	1	4.5	0.1	150 - 165 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		Road		

43.Green Belt Development	**Total RG area :**	Total Green area provided: 10,000 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	350 No.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	2 - 3 year

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	Anthocephalus cadamba	Kadamba	35	Shady, large tree, ball shaped flowers, Soil improver
2	Mimusops elengi	Bakul	40	Shady tree, small white fragrant flowers
3	Cassia fistula	Bahava / Amaltas	35	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
4	Cocos nucifera	Coconut	70	Wind Breaker
5	Michelia champaca	Son chapha	35	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
6	Terminalia catappa	Badam	50	Wind breaker & Noise abatement
7	Magnifera indica	Mango	85	Dust, particulate & noise abatement, large fruit tree attracting birds
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)	50 kVA
	DG set as Power back-up during construction phase	50 kVA
	During Operation phase (Connected load):	250 kVA
	During Operation phase (Demand load):	200 kVA
	Transformer:	2 x 25 HP
	DG set as Power back-up during operation phase:	Total: 250 kVA (2 x 125 kVA)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV Panels of total 15 kW capacity are proposed.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving (LEDs, Energy efficient pumps and motors etc.)	10%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water Pollution (Domestic sewage)	Septic tanks	STP

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3 Lakhs
	O & M cost:	Rs. 0.2 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	Water spray for dust suppression, site sanitation and Potable Water Supply to Labour	-	2.5

2	Environmental Monitoring	(As per CPCB guidelines through MoEF Approved laboratories- Ambient Air- RSPM, PM 2.5, SO2, NOx, CO), Noise Leq day time and Night Time), Water sampling etc.	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	STP (Tertiary)	Continuous O & M	5.0	1.0
2	ETP (Tertiary)	Continuous O & M	15	5
3	Expenditure on Energy saving measures	Weekly	3	0.2
4	Dust Control system	Continuous	10	2.5
5	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	1.5	0.25
6	Solid Waste Composting plant (Hazardous + Non-Hazardous)	Continuous O & M	10	10
7	Landscape	Daily	3.5	0.5
8	EMC recurring expenditure	Env. Engg. Salary, Documentation, Assistants, support staff, expense and housekeeping	8	6
9	Occupational Safety & Health	Manning of OHS, OHS expenses	10	1.5
10	Compliance for Environmental protection & Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	00	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
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3,500 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	16 Nos.
	Number of 4-Wheelers as approved by competent authority:	4W: 8 Nos. & Truck Parkings: 3 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m and above
	CRZ/ RRZ clearance obtain, if any:	The proposal was considered in 115th MCZMA meeting (item no. 47 dt. 17.01.2017) and as per the MoM the project is recommended from CRZ point of view to SEIAA, Maharashtra.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No declared eco-sensitive zones like a National Park, a Wildlife Sanctuary or Wetlands are present within a 10 km radius of the project site.
	Category as per schedule of EIA Notification sheet	7 (e)
	Court cases pending if any	No
	Other Relevant Informations	Our project was considered in 105th SEAC I meeting held on 2nd July 2015 for grant of ToR for carrying out EIA Study. SEIAA vide letter no. SEIAA-2018/CR-145/Est dated 20.12.2018 extends validity upto 01.07.2019. Public Hearing was conducted (as per ToR condition) at Lokshikshan Mandal Sabhagruh, village -Gonabarewadi, Tal. Guhagar, District-Ratnagiri on September 05, 2018 by MPCB in the presence of Additional District Magistrate (District Collector), Dist. Ratnagiri and Maharashtra Pollution Control Board Officers, Chiplun and the Public.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-05-2015

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

ToR was grnated to the PP in 105th meeting of SEAC-1 held on 02.07.2015 for the preparation of EIA/EMP reprot. The details of the minutes of the meeting are read as below,

The PP made a detailed presentation about the proposed development of Multipurpose Terminal with Jetty for the following purposes,

1. Cargo handling of about 0.2 MTPA

2. Repair of 24-30 small ships using Floating Dry Dock.

The Committee made follwoing observations,

1. The project is considered as category 7(e)B1 and will requrie detailed EIA report and Public Consultation.

2. MCZMA and CRZ clearance is required prior to conisderation of Environmental Clearance.

3. Under no circumstances should ship breaking be undertaken.

4. The road connectivity from the jetty to state highway road 105 should be strengthended preferably by Maharashtra Meritime Board (MMB).

5. EIA report should address the safe disposal of waste generated from Floating Dry Dock like rust, paint, oil, grase and other waste products.

6. Steps to prevent coal dust effluents enterign the creek.

7. Compact STP of 10 CMD capacity should be provided for Domestic Waste.

8. Construction work for Jetty should not result in unexpected impact on water quality.

9. Construction of Jetty and dredging of approach channel, if any, should not impact the morphology of coastline beaches. The project should not affect any marine organism and dredging should not affect fish-life.

10. Disposal of dredging construction waste shouldnot create any adverse Environemntal Impact and good site practices should be followed scrupulously.

11. A seperate chapter on Risk Assessment and Risk Management of the port and Floating Dry Dock in general and Coal Handling in particulat should form a part of EIA.

12. The project should not adversly impact the landscape and the visual appeal of Konkan Coast.

Thereafter, PP obtianed extension in the ToR for one year from the SEIAA vide letter No. SEIAA-2018/CR-145/Est. dated 20.12.2018.

PP submitted their EIA/EMP reprot to the SEAC-1 on 22.05.2019 for appraisal.

Public Hearing was conducted on 05.09.2018 at Lokshikshan Mandal Sabhagriha, village Gonabarewadi, Tal. Guhagar, District Ratnagiri. Copy of preceedings of the Public Hearing submitted by the PP.

SEAC-1 made it clear to the PP that, the appraisal of the proposal shall be limited to the activity of jetty construction as recommended by the MCZMA in their 115th meeting held on 17th to 18th January, 2017.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of association / articles.
2) PP to ensure compliance of the conditions stipulated in the MCZMA recommendation letter. No ship breaking activity is allowed in the proposed project.
3) PP to submit undertaking for not violating any requirements of EIA Notification,2006.
4) PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
5) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
6) PP to submit point wise compliance of all the issues raised during public hearing along with proposed mitigation measures , cost required for compliance and time line for its implementation.
7) PP to include generation, handling & disposal of hazardous waste in the Consolidated Statement and EIA Report.
8) PP to include details of proposed ETP/STP in the EIA report.
9) PP to explore possibility to use mechanized means for pollution control to load /unload minerals like Bauxite, coal etc. so as to control emission of fine dust in the atmosphere. PP to submit details of proposed air pollution control mechanisms.
10) PP to submit revised complinace of point No. 9 of the additional ToR.
11) PP to make necessary changes in the Consolidated Statement with the respect to the activities limited to the Jetty Construction as recommended by MCZMA.
12) PP to submit their CER plan prepared in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Environmental Clearance for the production of Pharmaceutical Excipients by G. M Chemical at plot no. C-233 and 234, TTC Industrial area, MIDC Pawane, Turbhe, Navi Mumbai

Is a Violation Case: No

1.Name of Project	Environmental Clearance for the production of Pharmaceutical Excipients by G. M Chemical at plot no. C-233 and 234, TTC Industrial area, MIDC Pawane, Turbhe, Navi Mumbai
2.Type of institution	Private
3.Name of Project Proponent	G.M. Chemical- Mr. Dhaval Mehta
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.; Plot No. F7, Road No.21, Wagle MIDC area, Near Ashida Electronics, Thane West 400604
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. C-233 & 234
9.Taluka	Thane
10.Village	Turbhe
Correspondence Name:	Mr. Dhaval Mehta
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Plot No. C-233 & C-234
Locality:	MIDC Pawane, TTC Industrial area
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	MIDC Pawane
12.IOD/IOA/Concession/Plan Approval Number	Approval from Maharashtra Industrial Development Corporation
	IOD/IOA/Concession/Plan Approval Number: Approval from MIDC through letter no. DE/ MHP (C) I/C-233/B27799 dated 12.04.2018
	Approved Built-up Area: 1475
13.Note on the initiated work (If applicable)	The Factory Building has been constructed. The Equipments will be installed and plant will be commissioned only after obtaining Environmental Clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 1475
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: 12-04-2018
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	100000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Cellulose Acetate Pthalate	-	200	200
2	Hypromellose Pthalate	-	300	300
3	Poly Vinyl Acetate Pthalate	-	50	50
4	Cellulose Acetate Trimellitate	-	50	50

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	0	2	2	0	0.2	0.2	0	1.8	1.8
Industrial Process	0	120	120	0	12	12	0	108	108
Cooling tower & thermopack	0	30	30	0	0.3	0.3	0	29.7	29.7
Gardening	0	10	10	0	10	10	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-2.5 m
	Size and no of RWH tank(s) and Quantity:	1 no. of tank ; 2.5 m x 2.5 m x 2 m with 10 m3 of capacity
	Location of the RWH tank(s):	Back side of the plot
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 3 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 10,000/ annum
	Details of UGT tanks if any :	Domestic Tank: 40 m3 Fire Tank: 20 m3
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern has not been disturbed
	Quantity of storm water:	1.99 m3/s
	Size of SWD:	304 mm x 304 mm
Sewage and Waste water	**Sewage generation in KLD:**	15 m3/day
	STP technology:	Septic tank
	Capacity of STP (CMD):	-
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 1 Lakh
	Budgetary allocation (O & M cost):	Rs. 10,000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	-
	Disposal of the construction waste debris:	-
Waste generation in the operation Phase:	**Dry waste:**	3 kg/day
	Wet waste:	4.5 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	28.1 Process residue waste: 3 kg/day ; 35.3 Chemical sludge from waste water treatment: 2 kg/day ; Paper bags: 5 kg/day; Fiber board drums: 100 kg/day ; Recycled Plastic bags: 5 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to NMMC after segregation
	Wet waste:	Handed over to NMMC after segregation
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	28.1 Process residue waste: handed over to TTCWMA; 35.3 Chemical sludge from waste water treatment: handed over to TTCWMA; Paper: Sent to authorized recycler; Fiber board drums: Sent to authorized recycler ; Recycled Plastic bags: Sent to authorized recycler
Area requirement:	**Location(s):**	Scrap storage area
	Area for the storage of waste & other material:	9.2 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10,000
	O & M cost:	-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4.0-8.0	5.5-9.0	5.5-9.0
2	Total Suspended Solids	mg/l	403	100	100
3	Chemical Oxygen Demand	mg/l	6540	250	250
4	Biochemical Oxygen Demand	mg/l	1956	30	30
5	Total Dissolved Solids	mg/l	830	2100	2100
6	Oil and Grease	mg/l	61	10	10

Amount of effluent generation (CMD):	108 m3/day
Capacity of the ETP:	120 m3/day
Amount of treated effluent recycled :	Nil
Amount of water send to the CETP:	98 m3/day
Membership of CETP (if require):	Membership of TTC CETP will be obtained
Note on ETP technology to be used	MBBR
Disposal of the ETP sludge	The ETP Sludge will be disposed through TTCWMA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	-	-	-	-	-	-	-

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	Baby Boiler	Natural Gas	1	17 m	0.32 m	100 c

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Natural Gas	-	5000 units/ month	5000 units/ month
41.Source of Fuel		Mahanagar Gas		
42.Mode of Transportation of fuel to site		Pipeline		

43.Green Belt Development	**Total RG area :**	450 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	20
	List of proposed native trees :	Cocos Nucifera, Mangifera Indica, Musa Acuminata, Pletophorum Pterocarpum, Saraca Asoca, Ficus Religiosa, Termilania Catappa, Azadirachta Indica
	Timeline for completion of plantation :	Already planted

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cocos Nucifera	Coconut	9	Fruit bearing tree
2	Mangifera Indica	Mango	2	It is a large fruit-tree, capable of a growing to a height and crown width of about 100 feet and trunk circumference of more than twelve feet
3	Musa Acuminata	Banana	2	Fruit bearing tree
4	Pletophorum Pterocarpum	Copper pod	2	It is deciduous tree growing 15-25m, it is widely grown in tropical regions as an ornamental tree
5	Saraca Asoca	Ashoka	2	The Ashoka is a rain-forest tree Its flowering season is around February to April. The Ashoka flowers come in heavy, lush bunches. They are bright orange yellow in color, turning red before wilting
6	Ficus Religiosa	Peepal	1	Ficus religiosa is used in traditional medicine for about 50 types of disorders including asthma, diabetes, diarrhea, epilepsy, gastric problems, inflammatory disorders, infectious and sexual disorders.
7	Termilania Catappa	Badam	1	Terminalia catappa is a large tropical tree The tree grows to 35 m The fruit is edible, tasting slightly acidic
8	Azadirachta Indica	Neem	1	Medicinal 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	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	149 kW
	During Operation phase (Demand load):	149 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	1x 150 kW
	Fuel used:	Natural Gas
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Use of energy efficient, BEE labeled electrical fixtures, in the building

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	-	-

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakhs
	O & M cost:	Rs. 20,000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for dust	Water sprinkling	0.20
2	Site Sanitation	Septic tank	0.10
3	Personal Protective Equipment	Jackets, Safety shoes, Helmets	0.20

4	Landscape	Plantation and Maintenance	0.10
5	First Aid Facilities	First Aid Kit	0.10

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Effluent Treatment Plant	ETP having capacity 120 m3/day	25	2
2	Landscape Development	Plantation	1	0.5
3	Solid Waste Management	-	0.1	-
4	Rain water Harvesting	Channelizing and maintenance of rain water harvesting	3	0.10
5	Storm Water drain	Channelizing and maintenance of Storm water drainage line	2	0.5
6	Environment Monitoring	Air, Water, Soil and Noise Monitoring	-	2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 nos.

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	-
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	3 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	None
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

M/s G.M.Chemicals at Plot No. C-233 & 234, TTC Industrial Area, MIDC Pawane, Turbhe, Navi Mumbai submitted their proposal for the grant of ToR under category 5(f)B1 of the schedule attached to the EIA Notification, 2006 for the manufacturing of Pharmaceutical Excipients.

DECISION OF SEAC

Secretary-SEAC-1 brought to the notice of the committee the order issued by Hon'ble National Green Tribunal, Principal Bench, New Delhi issued on 10.07.2019 in the Original Application No. 1038/2018 in the matter of News item published in "The Asian Age" Authored by Sanjay Kaw Titled "CPCB to rank industrial units on pollution levels"

In the para 11 of the above order, a list of latest CEPI score of 100 polluted industrial areas/clusters monitored during 2018 is given, in which the area of Navi Mumbai is placed at Sr. No. 51. Further Hon'ble National Green Tribunal in their order at para No. 28 mentioned which reads as below,

"....No further industrial activities or expansion be allowed with regard to 'red' and 'orange' category units till the said areas are brought within the prescribed parameters or till carrying capacity of area is assessed and new units or expansion is found viable having regard to the carrying capacity of the area and environmental norms."

SEAC-1 deliberated the issue at length with the PP and their accredited consultant, referred the list of CPCB with respect to the 'red' and 'orange' category and found that, the proposed project falls under the 'red' category.

In view of above, SEAC-1 is of the opinion that, the present proposal cannot be considered for appraisal until further directions in the matter pending before the Hon'ble National Green Tribunal.

Hence, SEAC-1 decided to refer the proposal to the SEIAA for confirmation of the above views or otherwise further guidance in the matter.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Proposed Expansion of Co-generation Plant from 19MW to 29MW at M/s Bhimashankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, A/P Pargaon Via Awasari Bk., Tal. Ambegaon, Dist. Pune – 412406

Is a Violation Case: No

1.Name of Project	Proposed Expansion of Co-generation Plant from 19MW to 29MW at M/s Bhimashankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, A/P Pargaon Via Awasari Bk., Tal. Ambegaon, Dist. Pune – 412406
2.Type of institution	TOR
3.Name of Project Proponent	M/s Bhimashankar Sahakari Sakhar Karkhana Ltd.
4.Name of Consultant	M/s Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC obtained for vide Letter "SEAC-2011/CR-755/TC2" dated 30th June 2012.
8.Location of the project	S.no 148, 202,206,207,208,210,213,214,219,220
9.Taluka	Ambegaon
10.Village	A/P Pargaon Tarfe Awasari Bk
Correspondence Name:	Mr. Chandrakant Gangadhar Dhage (Managing Director)
Room Number:	-
Floor:	-
Building Name:	Administrative Office
Road/Street Name:	Manchar-Shirur Road
Locality:	Dattatrayanagar,
City:	Village –A/P Pargaon Tarfe Awasari Bk
11.Whether in Corporation / Municipal / other area	Grampanchyat- Pargaon Tarfe Awasari Bk.
12.IOD/IOA/Concession/Plan Approval Number	Non agricultural permission
	IOD/IOA/Concession/Plan Approval Number: Land NA (industrial) S.no 148, 202,206,207,208,210,213,214,219,220
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	L.I 675/SIA/IMO/2019 dated 12/04/2019
15.Total Plot Area (sq. m.)	586796 Sq.m
16.Deductions	Not applicable
17.Net Plot area	586796 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 21-02-2000
19.Total ground coverage (m2)	83800
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.28
21.Estimated cost of the project	414200000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	18000	0	18000
2	Power	19	10	29

32.Total Water Requirement

Dry season:	**Source of water**	Ghod River
	Fresh water (CMD):	552
	Recycled water - Flushing (CMD):	46
	Recycled water - Gardening (CMD):	450
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1048
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	367
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	96	0	96	41	0	41	55	0	55
Industrial Process	288	168	456	00	0	0	762.30	24	786.30
Fresh water requirement	384	168	552	41	0	0	817.30	24	841

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-10m BGL
	Size and no of RWH tank(s) and Quantity:	500m3 x 1 No
	Location of the RWH tank(s):	Production area
	Quantity of recharge pits:	20
	Size of recharge pits :	1m x 1m x 1.5m
	Budgetary allocation (Capital cost) :	10 lakh
	Budgetary allocation (O & M cost) :	2 lakh
	Details of UGT tanks if any :	Not any
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	4.5 m3/min
	Size of SWD:	? 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	55
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Any
	Disposal of the construction waste debris:	Not Any
Waste generation in the operation Phase:	**Dry waste:**	Baggase: 304621 MT
	Wet waste:	Pressmud : 38400 MT & ETP sludge : 0.5 TPD
	Hazardous waste:	Spent oil : 0.358 MT
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.5 MT/D
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Baggase will be used in boiler as fuel
	Wet waste:	Composting and used as soil conditioner
	Hazardous waste:	spent oil burned in Boiler
	Biomedical waste (If applicable):	NOt any
	STP Sludge (Dry sludge):	NA
	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:**	10.00 Lakh
	O & M cost:	5.0 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5.5	6.7	6.5-8.5
2	BOD	mg/lit	720	80	100
3	COD	mg/l	1500	230	250
4	TSS	Mg/l	120	80	100
5	O & G	Mg/l	6	<2	10

Amount of effluent generation (CMD):	841
Capacity of the ETP:	Existing ETP Capacity of 1350m3/day is adequate for proposed Co-generation.
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	Waste water from a co-gen power plant does not have any significant BOD / COD level. Effluent water sources are boiler & auxiliary cooling tower, blow down, washings, service water, etc. The same will be neutralized and settled in a neutralizing pit. The neutralized effluent will be further treated in the existing ETP and then utilized for ash quenching and gardening of the green belt.
Disposal of the ETP sludge	Used as manure

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/ spent oil	5.1	Kg/day	2.0	2.0	2.0	Reuse in Boiler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing boiler of 80 TPH	30.16 TPH	1	72	4	136

2	Existing boiler of 2 x 37 TPH	18.5 TPH	1	60	4	140
3	Proposed 2 x 45 TPH	40.80 TPH	1	60	4	140

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Baggase	48 TPH	22.96	70 TPH
41.Source of Fuel		Baggase from own sugar unit		
42.Mode of Transportation of fuel to site		Convener Belt		

43.Green Belt Development	**Total RG area :**	200000 Sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	1000
	List of proposed native trees :	NA
	Timeline for completion of plantation :	plantation will be completed within 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	Saraca asoca (Roxb.) Willd.	Ashok	30	Small evergreen tree with deep green leaves • The bark of the Ashoka plant is used to prepare cosmetics that help to improve skin complexion
2	Aegle marmelos (L.) Corr.	Bel	20	It is a deciduous plant Used as dietary supplement
3	Limonia acidissima L.	Kavath	30	Large tree growing to 9m tall, with rough, spiny bark. & The fruit is used to make a fruit juice with astringent properties and jams
4	Azadirachta indica Linn.	Neem	50	Fast growing evergreen tree • Used for skin diseases. • Neem oil is used to treat for healthy hair, to improve liver function & balance blood sugar level
5	Pongamia pinnata (L.) Pierre	Karanj	40	Legume tree • Flowering tree • Used as oil, soap making, & as lubricant
6	Syzygium cumini (L.) Skeels	Jambhul	40	Evergreen tropical fruit bearing tree • Fruits & seeds are used in Hyperglycemia in diabetic rates.
7	Mangifera indica L.	Amba	50	Fruit bearing 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 :**	Power Plant & MSEDCL
	During Construction Phase: (Demand Load)	Not any
	DG set as Power back-up during construction phase	Existing
	During Operation phase (Connected load):	220/132 KV
	During Operation phase (Demand load):	220/132 KV
	Transformer:	220/132 KV
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not any

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
80 TPH Boiler	ESP and 72 M stack Height	-
80 TPH Boiler	ESP and 72 M stack Height	-

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	60 Lakh
	O & M cost:	42.5

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Ambient Air	PM , SOx & Nox	2.0
2	Noise	Noise level	1.0
3	Solid waste	Solid waste	5.0

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 Environment	Existing Stack 60	0	15
2	Water and waste water	Existing ETP having capacity 1350 M3/day	0	10
3	Solid Waste	Solid and Hazardous Waste Disposal & Transportation	10.0	5.0
4	Green Belt development	Greening Belt Development	20.0	5.0
5	Environment Monitoirng	EM Cell -Existing	10.0	5.0
6	Other	Rain water harvesting, Safety, Security etc.	20.0	2.5

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
Baggase	Existing	Baggase Yard	50 MT	0	70 TPH	Own sugar unit	-

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Pargaon Shingave – Kavathe Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	0.5 Acre
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m and 9 m turning radius

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	1(d) B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for the grant of ToR under cateogry 1(d)B1 of the schedule attached to the EIA Notification,2006 fo rtheir expansion of Baggase based Co-generation plant from 19MW to 29MW. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.
DECISION OF SEAC

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

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

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

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

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

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

Specific Conditions by SEAC:

1) PP has obtained earlier EC vide No. SEAC-2011/CR-755/TC-1 dated 30.07.2012 for co-generation and other EC obtained for sugar cane crushing on 27.11.2018. PP to submit copies of certified compliance obtained from Regional Office of the MoEF&CC as per OM issued by MoEF&CC dated 07.09.2017
2) PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
4) PP to include details of baggase generation against the sugar cane crushing, quantity , baggase required for co-generation, quantity of baggase remains after consumption if any and its plan for storage, handling and disposal.
5) PP to include boiler stack height calculations and scrubber design details with respect to the additional load after expansion in the EIA report.
6) PP to include detailed water balance calculations with respect to the water required for the generation of 1 MW of electricity in the EIA report.
7) PP to submit copies of approvals /agreements for lifting of water from Ghod river.
8) PP to carry out HAZOP and QRA and submit disaster management plan.
10) PP to submit technical note on how proposed expansion will be accommodated in the existing plant along with equipment layout, spaces required for storage.
11) PP to submit structural stability certificate of existing building with respect to the proposed expansion.
12) PP to include water and carbon foot print monitoring in the EMP.
13) PP to make necessary changes in the consolidate statement with respect to the expansion of existing co-generation plant.
14) PP to ensure that, the uniform information is given in the Form-I/II, EIA/EMP report, presentation and consolidated statement.

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.

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Stone Quarry mining at Village : Salaimendha, Taluka : Umred , Dist : Nagpur

Is a Violation Case: No

1.Name of Project	Salaimendha Stone Quarry
2.Type of institution	Private
3.Name of Project Proponent	Shri. Ashish Kishor Avarsekar
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut.No 45/1, Village : Salaimendha, Taluka : Umred , Dist : Nagpur
9.Taluka	Umred
10.Village	Salaimendha
Correspondence Name:	Shri. Ashish Kishor Avarsekar
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Nagpur
City:	Nagpur
11.Whether in Corporation / Municipal / other area	Grampanchayat Salaimendha
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. STC/446/2016-17/74
	Approved Built-up Area: 20300
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2.03 Ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 20300
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 08-01-2018
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	5000000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	2000	3515	5515

32.Total Water Requirement

Dry season:	**Source of water**	Tanker water
	Fresh water (CMD):	6.39
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	6.39 M3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	0.2	0.2	-	0.02	0.02	-	0.18	0.18
Gardening	-	6.19	6.19	-	6.19	6.19	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	45 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	0.18 KLD
	STP technology:	Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	80000
	Budgetary allocation (O & M cost):	10000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden soil or Murrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	As per Mine Closure Plan
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	638
	List of proposed native trees :	Attached below
	Timeline for completion of plantation :	1 Year

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	Azadicrta indica	Neem	50	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	33	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	35	Medicinal plants,Fruit an important condiment in Indian cuisine, tolerates drought

4	Pongia Pinnata	Karanj	40	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	30	Medicinal value, Edible fruits, Bird attracting species
6	Ficus relegiosa	Pimpal	45	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Termanilia arjuna	Arjun	55	Medicinal value, helping to reduce soil erosion
8	Magnifera indica	Amba	45	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	45	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	40	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Rain tree	60	A multipurpose tree
12	Tectona grandis	Sagvan	35	Teak is a large, long, deciduous tree
13	Leucaenaleuco cephala	Subabhul	35	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
14	Cassia fistula	Bahava	35	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Delonix regia	Gulmohor	35	Gulmohar is an ornament plant
16	Ficus benghalensis	Vad	20	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
17	Total	-	638	-
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)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution	Green belt is maintained around the lease area and on both sides of the haul roads	A thick green belt will be maintained around the lease area and on both sides of the haul roads
Noise pollution	Green belt is maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs is provided to workers exposed to high frequency noise	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise
Solid Waste management	The overburden is used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.
Sewage water	Septic tank followed by soak pit provided.	Septic tank followed by soak pit will be provided.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	0.80	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.35	0.05
3	Solid Waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Septic tank followed by soak pit will be provided	1.00	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.30	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Total	-	2.75	0.85

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	1) 21°00'13.93"N 79° 09'16.05"E 2) 21°00'12.85"N 79° 09'09.52"E 3) 21°00'16.29"N 79° 09'09.05"E 4) 21°00'17.21"N 79° 09'15.92"E
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	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 reamined absent.

Hence, deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Stone Quarry mining at Village Khadgaon, Tal : Nagpur (Gramin), Dist: Nagpur

Is a Violation Case: No

1.Name of Project	Khadgaon Stone Quarry at village Khadgaon, Tal : Nagpur (Gramin), Dist: Nagpur
2.Type of institution	Private
3.Name of Project Proponent	Shri. Ramesh Sitaram Hiranwar
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No. 248, Village : Khadgaon, Tal : Nagpur (Gramin), Dist: Nagpur
9.Taluka	Nagpur (Gramin)
10.Village	Khadgaon
Correspondence Name:	Shri. Ramesh Sitaram Hiranwar
Room Number:	-
Floor:	-
Building Name:	Chanda Krushna Niwas
Road/Street Name:	Dharampeth, Gawalipura
Locality:	Nagpur
City:	Nagpur
11.Whether in Corporation / Municipal / other area	Grampanchayat Khadgaon
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. BON/Mining / MMP/ 215/ 2017/791
	Approved Built-up Area: 17200
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	1.72 Ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 17200
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: 05-06-2017
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	5100000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	1500	2812	4312

32.Total Water Requirement

Dry season:	**Source of water**	Tanker water
	Fresh water (CMD):	3.15
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	3.15 M3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	-	0.3	0.3	-	0.03	0.03	-	0.27	0.27
Gardening	-	1.95	1.95	-	1.95	1.95	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	45 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	0.27 KLD
	STP technology:	Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	70000
	Budgetary allocation (O & M cost):	10000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden soil or Murrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	0.388 Ha
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	522
	List of proposed native trees :	Attached below
	Timeline for completion of plantation :	2 Year

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	Azadicrta indica	Neem	45	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	30	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	40	Medicinal plants,Fruit an important condiment in Indian cuisine, tolerates drought

4	Pongia Pinnata	Karanj	40	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	25	Medicinal value, Edible fruits, Bird attracting species
6	Ficus relegiosa	Pimpal	20	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Termanilia arjuna	Arjun	45	Medicinal value, helping to reduce soil erosion
8	Magnifera indica	Amba	35	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	35	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	20	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Rain tree	15	A multipurpose tree
12	Tectona grandis	Sagvan	40	Teak is a large, long, deciduous tree
13	Leucaenaleuco cephala	Subabhul	35	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
14	Cassia fistula	Bahava	30	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Delonix regia	Gulmohor	42	Gulmohar is an ornament plant
16	Ficus benghalensis	Vad	25	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
17	Total	-	522	-
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)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution	A green belt is maintained around the lease area	A thick green belt will be maintained around the lease area and on both sides of the haul roads
Noise pollution	A green belt is maintained around the lease area	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise
Solid Waste management	he overburden is used for green belt development , surplus is backfilled in the pit	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.
Sewage water	Septic tank followed by soak pit is provided.	Septic tank followed by soak pit will be provided.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	0.50	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.30	0.05
3	Solid Waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Septic tank followed by soak pit will be provided	0.70	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.20	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Total	-	2.00	0.85

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tadoba Tiger reserve 111.34 Km towards SSE, Pench Tiger Reserve 57.84 Km towards NE, Nagzira Wildlife Sanctuary 106.25 km towards NNE, malewada forest range 147.94 km towards SE
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	Sr. No. Latitude Longitude R.L (mt) 1 N 21 ° 10' 50.87" E 78° 57' 19.23" 379.15 2 N 21 ° 10' 52.48" E 78° 57' 13.43'' 374.60 3 N 21° 10' 50.41" E 78° 57' 12.88" 356.75 4 N 21° 10'46.65" E 78° 57' 16.99" 370.20
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

DECISION OF SEAC

During deliberations, it was observed that, the proposed area of stone quarry is not included in the DSR.

In view of above, SEAC-1 decided to defer the proposal till submission of revised DSR including the location of proposed quarry and 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.

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Stone Quarry mining at Village Khadgaon, Tal : Nagpur (Gramin), Dist: Nagpur

Is a Violation Case: No

1.Name of Project	Khadgaon Stone Quarry at village Khadgaon, Tal : Nagpur (Gramin), Dist: Nagpur
2.Type of institution	Private
3.Name of Project Proponent	Shri. Yogesh Ramesh Hiranwar
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut No. 165/2, Village : Khadgaon, Tal : Nagpur (Gramin), Dist: Nagpur
9.Taluka	Nagpur (Gramin)
10.Village	Khadgaon
Correspondence Name:	Shri. Yogesh Ramesh Hiranwar
Room Number:	-
Floor:	-
Building Name:	Chanda Krushna Niwas
Road/Street Name:	Dharampeth, Gawalipura
Locality:	Nagpur
City:	Nagpur
11.Whether in Corporation / Municipal / other area	Grampanchayat Khadgaon
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. BON/Mining / MMP/ 215/ 2017/789
	Approved Built-up Area: 10000
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	1.00 Ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 10000
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: 05-06-2017
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	4800000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	1200	2109	3309

32.Total Water Requirement

Dry season:	**Source of water**	Tanker water
	Fresh water (CMD):	4.07
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4.07 M3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	-	0.2	0.2	-	0.02	0.02	-	0.18	0.18
Gardening	-	2.57	2.57	-	2.57	2.57	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	45 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	0.18 KLD
	STP technology:	Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	70000
	Budgetary allocation (O & M cost):	10000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden soil or Murrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	0.343 Ha
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	514
	List of proposed native trees :	Attached below
	Timeline for completion of plantation :	2 Year

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	Azadicrta indica	Neem	40	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	30	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	40	Medicinal plants,Fruit an important condiment in Indian cuisine, tolerates drought

4	Pongia Pinnata	Karanj	40	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	25	Medicinal value, Edible fruits, Bird attracting species
6	Ficus relegiosa	Pimpal	20	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Termanilia arjuna	Arjun	45	Medicinal value, helping to reduce soil erosion
8	Magnifera indica	Amba	35	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	35	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	20	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Rain tree	15	A multipurpose tree
12	Tectona grandis	Sagvan	40	Teak is a large, long, deciduous tree
13	Leucaenaleuco cephala	Subabhul	35	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
14	Cassia fistula	Bahava	30	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Delonix regia	Gulmohor	41	Gulmohar is an ornament plant
16	Ficus benghalensis	Vad	25	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
17	Total	-	514	-
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)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution	A green belt is maintained around the lease area	A thick green belt will be maintained around the lease area and on both sides of the haul roads
Noise pollution	A green belt is maintained around the lease area	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise
Solid Waste management	he overburden is used for green belt development , surplus is backfilled in the pit	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.
Sewage water	Septic tank followed by soak pit is provided.	Septic tank followed by soak pit will be provided.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	0.50	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.30	0.05
3	Solid Waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Septic tank followed by soak pit will be provided	0.70	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.20	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Total	-	2.00	0.85

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tadoba Tiger reserve 112.32 Km towards SE, Pench Tiger Reserve 58.14 Km towards NE, Nagzira Wildlife Sanctuary 107.02 km towards E, malewada forest range 146.46 km towards SE
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	Sr. No. Latitude Longitude R.L (mt) 1 N 21° 10'31.81" E 78° 57' 56.44" 378.62 2 N 21° 10'31.44" E 78° 57' 58.23" 378.24 3 N 21° 10'36.39" E 78° 57' 58.89" 372.37 4 N 21° 10' 36.42" E 78° 57' 58.21" 365.64 5 N 21° 10' 38.22" E 78° 57' 58.35" 371.83 6 N 21° 10' 38.43" E 78° 57' 57.13" 364.79
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable

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

Brief information of the project by SEAC

DECISION OF SEAC

During deliberations, it was observed that, the proposed area of stone quarry is not included in the DSR.

In view of above, SEAC-1 decided to defer the proposal till submission of revised DSR including the location of proposed quarry and 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.

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

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

Is a Violation Case: No

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

22.Number of buildings & its configuration

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

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

31.Production Details

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

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	260 CMD
	Recycled water - Flushing (CMD):	25 CMD (cooling make up)
	Recycled water - Gardening (CMD):	27 CMD
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	312 CMD
	Fire fighting - Underground water tank(CMD):	50 Cubic Meter tank capacity is provided.
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	260 CMD
	Recycled water - Flushing (CMD):	25 CMD (cooling makes up)
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	285 CMD
	Fire fighting - Underground water tank(CMD):	50 Cubic Meter tank capacity is provided.
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	8	8	16	2	2	4	6	6	12
Cooling tower & thermopack	92	82	174	90	80	170	2	2	4
Industrial Process	30	65	95	12	47	59	18	18	36
Gardening	16	11	27	16	11	27	0	0	0

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

Mode of Disposal of waste:	**Dry waste:**	Non-Hazardous waste will be sold to authorized recyclers.
	Wet waste:	Nil
	Hazardous waste:	Hazardous waste will be disposed of to CHWTSDF/ Sale to authorized Recyclers/Re- processors as per H & O Waste (M & TM) Rules, 2016
	Biomedical waste (If applicable):	No, Not applicable
	STP Sludge (Dry sludge):	Will be used as manure at site
	Others if any:	E waste will be disposed of to authorized recycler & used batteries shall be returned to battery suppliers.
Area requirement:	**Location(s):**	within plot
	Area for the storage of waste & other material:	20 Sq. Meter
	Area for machinery:	No machinery required.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10 Lakhs
	O & M cost:	12 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5-7	6.0 to 8.5	6.5 to 8.5
2	Biological oxygen demand	mg/L	1000 to 1500	< 30	100
3	Chemical oxygen demand	mg/L	4000 to 4500	< 100	250
4	Oil & Grease	mg/L	15 – 20	< 1	10
5	Total dissolved solids	mg/L	500- 1000	< 100	2100
6	Total ammoniacal nitrogen	mg/L	5-10	< 1	10

Amount of effluent generation (CMD):	Trade effluent: 40 CMD (after expansion)
Capacity of the ETP:	50 cmd
Amount of treated effluent recycled :	40 cmd
Amount of water send to the CETP:	Nil, Unit will maintain Zero Liquid discharge.
Membership of CETP (if require):	No, Not applicable
Note on ETP technology to be used	Trade effluent is subjected to Fenton process, followed by pH adjustment and settling and filtration. Filtrate is treated at MEE. Condensate from MEE is recycled at cooling tower. High TDS condensate from MEE is recycled back within process for retreatment.
Disposal of the ETP sludge	ETP sludge will be disposed of at CHWTSDF.

38.Hazardous Waste Details

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

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	30.72 TPD	38 TPD	68.72 TPD
2	Bio briquette	34.92 TPD	41 TPD	75.92 TPD
3	HSD (DG sets)	60 Lit/hr	100 Lit / hr	160 Lit/hr
41.Source of Fuel		From nearby vendors		
42.Mode of Transportation of fuel to site		By road		

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anona squamosa	Custard apple	As per green belt development	Fast Growing, Evergreen, Round
2	Mimusops elengi	Bakuli	As per green belt development	Fast Growing, Evergreen, Oblong/ Round
3	Lagerstroemia speciosa	Queen Crape Myrtle	As per green belt development	Fast Growing, Evergreen, Oblong

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

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

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

47.Energy

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

48.Energy saving by non-conventional method:

Lights with low voltage LED lights

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	--	--	--

b) Operation Phase (with Break-up):

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

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Rice Bran Fatty Acid	Liquid	Within site	500	500	As per production schedule	Local	tanker
Oleic Acid	Liquid	Within site	500	500	As per production schedule	Local	tanker
Coconut/P.K.Oil	Liquid	Within site	535	535	As per production schedule	Local	tanker
Coconut Fatty Acid	Liquid	Within site	535	535	As per production schedule	Local	tanker
Other Fatty Acids	Liquid	Within site	200	200	As per production schedule	Local	tanker

52.Any Other Information

No Information Available		

53.Traffic Management

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable

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.

PP to submit certified copy of compliance of earlier EC No. SEAC-2011/CR-857/TC-2 dated 01.04.2015 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of association/articles.
2) PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3) PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
4) PP to submit an undertaking for not violating any requirements of EIA Notification, 2006 amended from time to time.
5) PP to carry out life cycle analysis of all the products manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.
6) 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.
7) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.
8) PP to include detailed water balance calculations along with design details of Zero Liquid Discharge effluent treatment plant.
9) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
10) PP to carry out HAZOP and QRA and submit disaster management plan.
11) 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.
12) PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
13) PP to submit structural stability certificate of existing building with respect to the proposed expansion.
14) PP to include water and carbon foot print monitoring in the EMP.
15) PP to submit hazardous chemical handling protocol
16) 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.
17) PP to ensure that, the uniform information is given in the Form-I/II, EIA/EMP report, presentation and consolidated statement.

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.

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Stone Quarry mining at Village Surgaon, Taluka : Umred ,District ; Nagpur

Is a Violation Case: No

1.Name of Project	M/s. Ashirwad Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Shri. Swapnil Dnyaneshwar Bhende
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gut No. 361,362,363 (Part), Village Surgaon, Taluka : Umred ,District ; Nagpur
9.Taluka	Umred
10.Village	Surgaon
Correspondence Name:	Shri. Swapnil Dnyaneshwar Bhende
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Nagpur
City:	Nagpur
11.Whether in Corporation / Municipal / other area	Surgaon Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Mining plan approval number STC/446/2016-17/1648
	Approved Built-up Area: 11800
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	1.18 Ha
16.Deductions	Not applicable
17.Net Plot area	1.18 Ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 11800
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 28-06-2018
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	7500000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	2000	3515	5515

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	2.5
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	2.5 m3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	-	0.25	0.25	-	0.025	0.025	-	0.225	0.225
Gardening	-	3.25	3.25	-	3.25	3.25	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	45 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	0.225
	STP technology:	Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	80000
	Budgetary allocation (O & M cost):	10000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not applicable
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Overburden soil or Murrum will be used for plantation
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Overburden soil or Murrum will be used for plantation
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	0.358 Ha
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	530
	List of proposed native trees :	Attached
	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	Azadicrta indica	Neem	45	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	25	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	20	Medicinal plants,Fruit an important condiment in Indian cuisine, tolerates drought

4	Pongia pinnata	karanj	25	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus recemosa	Umber	25	Medicinal value, Edible fruits, Bird attracting species
6	Ficus relegiosa	Pimpal	35	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Termanilia arjuna	Arjun	30	Medicinal value, helping to reduce soil erosion
8	Magnifera indica	Amba	45	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	35	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	35	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Raintree	40	A multipurpose tree
12	Tectona grandis	Sagwan	50	Teak is a large, long, deciduous tree
13	Leucaena leucocephala	Subhabul	30	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
14	Cassia fistula	Bahava	25	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Delonixregia	Gulmohor	40	Gulmohar is an ornament plant
16	Ficus benghalensis	Vad	25	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
17	Total	-	530	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution	A thick green belt is maintained around the lease area	A thick green belt will be maintained around the lease area and on both sides of the haul roads
Noise Pollution	A thick green belt is maintained around the lease area , Appropriate PPE's like ear muffs and ear plugs is provided to workers exposed to high frequency noise	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise
Solid waste management	The overburden is used for green belt development	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.
Sewage water	Septic tank followed by soak pit is provided	Septic tank followed by soak pit will be provided

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	0.80	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.30	0.05
3	Solid Waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Septic tank followed by soak pit will be provided	0.80	0.05
5	Occupational Health	Personal Protective Equipment for workers	0.30	0.10
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Total	-	2.50	0.85

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Umred Karhandla wildlife sanctuary is 32.04 km, Pench tiger reserve is 69.75 km and Nagzira Wildlife sanctuary is 84.67 km
	Category as per schedule of EIA Notification sheet	1(a) Minor Mineral B2 Category
	Court cases pending if any	No
	Other Relevant Informations	Latitude Longitude R.L (meter) 21° 00'27.95"N 79°11'43.15"E 323.10 21° 00'27.21"N 79°11'47.48"E 323.74 21° 00'29.92"N 79°11'47.57"E 321.32 21° 00'31.78"N 79°11'47.98"E 321.11 21° 00'32.08"N 79°11'46.19"E 319.90 21° 00'29.53"N 79°11'45.35"E 322.63 21° 00'29.77"N 79°11'43.42"E 323.05
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable

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

Brief information of the project by SEAC

PP submitted their application for prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 1.18 ha. at village Surgaon gat. No. 361,362,363(p) , Taluka Umred District Nagpur.

DECISION OF SEAC

During deliberations, PP informed that they have obtianed earlier Environemntal Clearance from the SEIAA but certified compliance of the EC conditions was not obtianed as per OM issued by MoEF&CC dated 07.09.2017.

It was also obsevred that, the DSR was not mentioning all Gat Numbers.

In view of above SEAC-1 decided to defer the propsoal till submission of mandatory docuemtns like, Revsied DSR, Approved Mining Plan, Certified COmpliance of earlier EC, Status of Cluster formation in the proose area from District Mining Officer, Pre-feasivility reprot etc.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Stone Quarry mining at Village : Mahurzari, Tal: Nagpur(Gramin), Dist: Nagpur

Is a Violation Case: No

1.Name of Project	Mahurzari Stone quarry by Smt. Sultana Habib Baig.
2.Type of institution	Private
3.Name of Project Proponent	Smt. Sultana Habib Baig.
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut.No 148,149,150,163, Village : Mahurzari, Tal: Nagpur(Gramin), Dist: Nagpur
9.Taluka	Nagpur(Gramin)
10.Village	Mahurzari
Correspondence Name:	Smt. Sultana Habib Baig.
Room Number:	-
Floor:	-
Building Name:	G/2, Rachana Vrundavan Complex
Road/Street Name:	-
Locality:	Nagpur
City:	Nagpur
11.Whether in Corporation / Municipal / other area	Grampanchayat Mahurzari
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. STC/446/2016-17/776
	Approved Built-up Area: 10100
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	1.01 Ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 10100
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: 22-03-2018
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	2500000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	1500	3515	5015

32.Total Water Requirement

Dry season:	**Source of water**	Tanker water
	Fresh water (CMD):	4.39
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4.39 M3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	-	0.2	0.2	-	0.02	0.02	-	0.18	0.18
Gardening	-	2.19	2.19	-	2.19	2.19	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	55 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	0.18 KLD
	STP technology:	Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	70000
	Budgetary allocation (O & M cost):	10000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden soil or Murrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	0.292 Ha
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	438
	List of proposed native trees :	Attached below
	Timeline for completion of plantation :	2 Year

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	Azadicrta indica	Neem	30	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	34	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	28	Medicinal plants,Fruit an important condiment in Indian cuisine, tolerates drought

4	Pongia Pinnata	Karanj	24	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	28	Medicinal value, Edible fruits, Bird attracting species
6	Ficus relegiosa	Pimpal	30	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Termanilia arjuna	Arjun	25	Medicinal value, helping to reduce soil erosion
8	Magnifera indica	Amba	22	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	30	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	28	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Rain tree	32	A multipurpose tree
12	Tectona grandis	Sagvan	25	Teak is a large, long, deciduous tree
13	Leucaenaleuco cephala	Subabhul	30	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
14	Cassia fistula	Bahava	20	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Delonix regia	Gulmohor	32	Gulmohar is an ornament plant
16	Ficus benghalensis	Vad	20	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
17	Total	-	438	-
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)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution	A green belt is maintained around the lease area	A thick green belt will be maintained around the lease area and on both sides of the haul roads
Noise pollution	A green belt is maintained around the lease area	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise
Solid Waste management	he overburden is used for green belt development , surplus is backfilled in the pit	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.
Sewage water	Septic tank followed by soak pit is provided.	Septic tank followed by soak pit will be provided.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	0.50	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.30	0.05
3	Solid Waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Septic tank followed by soak pit will be provided	0.70	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.20	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Total	-	2.00	0.85

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Pench Tiger reserve 31.92 Km
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	Pillar Latitude Longitude R.L(mt) BP-1 21°13'24.07"N 79° 01'01.28"E 329.62 BP-2 21°13'21.07"N 79° 01'03.72"E 332.76 BP-3 21°13'20.56"N 79° 00'59.99"E 336.44 BP-4 21°13'22.90"N 79° 00'57.90"E 330.97
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their application for 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 1.01 ha. at village Mahurzari gat. No. 148, 149, 150, 163 , Taluka Nagpur (Gramin) District Nagpur.

DECISION OF SEAC

During deliberations, PP informed that they have obtianed earlier Environemntal Clearance from the SEIAA but certified compliance of the EC conditions was not obtianed as per OM issued by MoEF&CC dated 07.09.2017.

In view of above SEAC-1 decided to defer the propsoal till submission of mandatory docuemtns like, Revsied DSR, Approved Mining Plan, Certified COmpliance of earlier EC, Status of Cluster formation in the proose area from District Mining Officer, Pre-feasivility reprot etc.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Stone Quarry of M/s. Harasiddh Stone Industries at Adivali Bhutali, Shil-Mahape Road, Navi Mumbai, Thane, Maharashtra

Is a Violation Case: No

1.Name of Project	M/s. Harasiddh Stone Industries
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jilani Kadar Shaikh
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Mining of Minor Mineral
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	Not Applicable
8.Location of the project	R.F. Sr. No. 94/A (Part)
9.Taluka	Thane
10.Village	Adivali Bhutali, Shil-Mahape Road
Correspondence Name:	Mr. Jilani Kadar Shaikh
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Shil - Mahape Road
Locality:	Adivali Bhutali
City:	Thane
11.Whether in Corporation / Municipal / other area	Reserve Forest Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval Number : ML/PL/Adm1503/Part 3/2016/460
	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) Approved Mining Plan from Deputy Director , Directorate of Geology & Mining, Government of Maharashtra, Kolhapur
15.Total Plot Area (sq. m.)	1.47 Ha
16.Deductions	Not Applicable
17.Net Plot area	1.47 Ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not Applicable
	b) Non FSI area (sq. m.): Not Applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not Applicable
	Approved Non FSI area (sq. m.): Not Applicable
	Date of Approval: 29-03-2016
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	5306284

22.Number of buildings & its configuration

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

23.Number of tenants and shops	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)	Sufficient road width is available for movement of vehicles
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not Applicable
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone Metal	0	2222	2222

32.Total Water Requirement

Dry season:	**Source of water**	Water Tanker
	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) :	4.0
	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**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	1.1	1.1	0	0.4	0.4	0	0.7	0.7

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14.0 m bgl
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable

35.Storm water drainage	**Natural water drainage pattern:**	Garland Drainage
	Quantity of storm water:	15 mm/d
	Size of SWD:	A garland of 7.5m will be maintained

Sewage and Waste water	**Sewage generation in KLD:**	0.7
	STP technology:	Sewage generated from Mobile toilet will be hand over to Authorized person for collection, treatment & Disposal of Sewage
	Capacity of STP (CMD):	Sewage generated from Mobile toilet will be hand over to Authorized person for collection, treatment & Disposal of Sewage
	Location & area of the STP:	Mobile toilet proposed adjacent to mine lease area
	Budgetary allocation (Capital cost):	60000
	Budgetary allocation (O & M cost):	30000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	The stone quarrying does not produce any waste. The entire stone irrespective of size will be sold in commercial market. Overburden, if any shall be used for peripheral plantation
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	The entire stone irrespective of size will be sold in commercial market. Overburden, if any shall be used for gardening and plantation
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Not Applicable as the produced material is usable/saleable and will be stored temporarily
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

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

1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Amount of effluent generation (CMD):	Not Applicable
Capacity of the ETP:	Not Applicable
Amount of treated effluent recycled :	Not Applicable
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Not Applicable
Disposal of the ETP sludge	Not Applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	As per Mining Plan
	No of trees to be cut :	0
	Number of trees to be planted :	150
	List of proposed native trees :	Neem, Karanj, Tamarind, Babul
	Timeline for completion of plantation :	Five years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	60	Indigenous species
2	Azadirachta indica	Neem	60	Indigenous species, Medicinal value
3	Tamarindus indica	Imli	15	Indigenous species, Medicinal value
4	Acacia nilotica	Babul	15	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	Not Applicable	0	0

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Not Applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	0

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust from Blasting and Crushing operation	Not Applicable	Water Sprinkler, Green belt Development

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Dust Suppression	0	1.75
2	Plantation	Greenbelt Development	0.30	0.30
3	Occupational Health & Safety	PPEs	0.20	0.60
4	Environmental Monitoring	Monitoring of Air, Noise, Water	0	1.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park :13.4 km in NW; Thane Creek Flamingo Sanctuary: 6.53 km in WNW; Tungareshwar National Park: 21.5 km in NNW
	Category as per schedule of EIA Notification sheet	Category B2; Sr. No. 1(a)
	Court cases pending if any	No
	Other Relevant Informations	Not Any
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for 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 1.47 ha. at village Adivali-Bhutavali, Shil Mahape Road District Thane.

DECISION OF SEAC

During meeting PP was not present but their consultant Mrs. Anjua from Aditya Environmental Services Pvt. Ltd requested that, the proposals from the same village were considered by the SEAC-1 and deferred for want of additional information. Same analogy may be applied to the present case.

In view of above, SEAC-1 advised PP, to carryout joint survey by the Officials of Forest Department, Revenue Department, Project Proponent and consultant to verify whether earlier mining is carried out as per approved mining plan and status of cluster formation in the proposed project of stone quarry.

PP also to carry out measurement and demarcation of the lease area and submit map approved by the Competent Authority. Hence, SEAC-1 decided to defer the proposal till submission of documents as mentioned above.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

167th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 167th (A) Day-1 **Meeting Date** July 30, 2019

Subject: Environment Clearance for Stone Quarry of M/s. Uma Stone Company at Adivali Bhutali, Shil-Mahape road, Navi Mumbai, Thane, Maharashtra

Is a Violation Case: No

1.Name of Project	M/s. Uma Stone Company
2.Type of institution	Private
3.Name of Project Proponent	Vasim Jilani Shaikh
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Mining of Minor Mineral
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	Not Applicable
8.Location of the project	R.F. Survey No. 94/A
9.Taluka	Thane
10.Village	Adivali Bhutali, Shil-Mahape Road
Correspondence Name:	Vasim Jilani Shaikh
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Shil-Mahape Road
Locality:	Adivali Bhutali
City:	Thane
11.Whether in Corporation / Municipal / other area	Reserve Forest Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval Number : ML/PL/Adm/503/Part3/2016/461
	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) Approved Mining Plan from Deputy Director, Directorate of Geology & Mining, Government of Maharashtra, Kolhapur
15.Total Plot Area (sq. m.)	1.520
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):**
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 29-03-2016
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	3689512

22.Number of buildings & its configuration

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

23.Number of tenants and shops	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)	Sufficient road width is available for movement of vehicles
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone Metal	0	2222	2222

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) :	4.0
	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**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	1.1	1.1	0	0.4	0.4	0	0.7	0.7

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14.0 m bgl
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable

35.Storm water drainage	**Natural water drainage pattern:**	Garland Drainage
	Quantity of storm water:	15 mm/d
	Size of SWD:	A garland of 7.5 m will be maintained

Sewage and Waste water	**Sewage generation in KLD:**	0.7
	STP technology:	Sewage generated from Mobile Toilet will be hand over to Authorized person for the Collection, Treatment & Disposal of Sewage
	Capacity of STP (CMD):	Sewage generated from Mobile Toilet will be hand over to Authorized person for the Collection, Treatment & Disposal of Sewage
	Location & area of the STP:	Mobile toilet proposed adjacent to Mine lease area
	Budgetary allocation (Capital cost):	60000
	Budgetary allocation (O & M cost):	30000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	The stone quarrying does not produce any waste. The entire stone irrespective of size will be sold in commercial market. Overburden if any, shall be used for peripheral plantation
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	The entire stone irrespective of size will be sold in commercial market. Overburden if any, shall be used for peripheral plantation
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Not Applicable as the produced material is usable/salable and will be stored temporarily
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

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

1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Amount of effluent generation (CMD):	Not Applicable
Capacity of the ETP:	Not Applicable
Amount of treated effluent recycled :	Not Applicable
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Not Applicable
Disposal of the ETP sludge	Not Applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	As per Mining Plan
	No of trees to be cut :	0
	Number of trees to be planted :	125
	List of proposed native trees :	Neem, Karanj, Imli, Babul
	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	Pongamia pinnata	Karanj	50	Indigenous species
2	Azadirachta indica	Neem	50	Indigenous species, Medicinal value
3	Acacia nilotica	Babul	12	Indigenous species
4	Tamarindus indica	Imli	13	Indigenous species, Medicinal Value

45.Total quantity of plants on ground	

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Not Applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust from Blasting and Crushing operation; Roads	Not Applicable	Water Sprinkler, Green belt Development

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Dust Suppression	0	1.80
2	Plantation	Green Belt Development	0.40	0.45
3	Occupational Health & Safety	PPEs, Health Check up	0.30	0.60
4	Environmental Monitoring	Monitoring of Air, Noise, Water	0	1.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable

	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Thane Creek Flamingo Sanctuary: 6.42 km in WNW; Sanjay Gandhi National Park: 12.7 km in North West ; Tungareshwar National Park: 23.8 km in NNW
	Category as per schedule of EIA Notification sheet	Category B2; Serial No. 1(a)
	Court cases pending if any	No
	Other Relevant Informations	Not Any
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for 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 1.52 ha. at R.F. Survey No.94/A, village Adivali-Bhutavali, Shil Mahape Road District Thane.

DECISION OF SEAC

During meeting PP was not present but their consultant Mrs. Anjua from Aditya Environmental Services Pvt. Ltd requested that, the proposals from the same village were considered by the SEAC-1 and deferred for want of additional information. Same analogy may be applied to the present case.

In view of above, SEAC-1 advised PP, to carryout joint survey by the Officials of Forest Department, Revenue Department, Project Proponent and consultant to verify whether earlier mining is carried out as per approved mining plan and status of cluster formation in the proposed project of stone quarry.

PP also to carry out measurement and demarcation of the lease area and submit map approved by the Competent Authority. Hence, SEAC-1 decided to defer the proposal till submission of documents as mentioned above.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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