157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for Environment Clearance for M/s. Bauli India Bakes & Sweets Pvt Ltd. at Plot No. G-146/1, MIDC, Taluka: Baramati, District: Pune, Maharashtra, India

Is a Violation Case: No

1.Name of Project	Proposed expansion for additional tank of Mounded Bullets for Storage of Propane.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Michele Bauli, Mr. Stefano Zancan and Mr. Vinod Kumar Gupta are directors of the company.
4.Name of Consultant	Green Circle, Inc.
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	CTE no. Format 1.0/BO/JD (WPC)/UAN No. 0000000826/CE/CC-9395 dated 25.07.2016 and Consent To Operate (CTO) no. RO-PUNE/CONSENT/1708000475 dated 11.08.2017.
8.Location of the project	Plot No. G-146/1, MIDC ,Taluka: Baramati, District: Pune, Maharashtra, India
9.Taluka	Baramati
10.Village	Katpal
Correspondence Name:	Unit No. 201, Second Floor, P-3, Pentagon Towers, Magarpatta City, Pune, Maharashtra , 411028.
Room Number:	Unit No. 201,
Floor:	Second Floor
Building Name:	Pentagon Towers
Road/Street Name:	Magarpatta City
Locality:	Magarpatta City
City:	Magarpatta City, Pune
11.Area of the project	Additional Maharashtra Industrial Development Corporation (MIDC) Baramati
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 34534.50
13.Note on the initiated work (If applicable)	As per existing CTO (Consent To Operate)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	99664 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.): 34534.50
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	20647.33
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.72 %
21.Estimated cost of the project	2450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No. 1:- Croissant Production, Work shop with Toilet Block.	Ground floor + add Extra due to Ht.	10379.31 + 5056.48 (m2)
2	Bldg. No. 2:- Airlock	Ground floor + add Extra due to Ht. + First floor	7325.56 + 5263.87 + 1635.52 (m2)
3	Bldg. No. 3:- Raw material, Cold room, Utility, Laboratory, Office, Canteen with Toilet block	Ground floor + add Extra due to Ht. + First floor + Second floor	1276.38 + 638.19 + 1158.25 + 1158.25 (m2)
4	Bldg. No. 6:- Reception with Toilet block	Ground floor	189.53 (m2)
5	Toilet Block	Ground floor	32.00 (m2)
6	Nitrogen+Co2 Store	Ground floor	400.00 (m2)
7	Control Room	Ground floor	21.16 (m2)
8	Control Room	Ground floor	21.16 (m2)

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)	20 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing industry (as per CTO)
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Propane storage facility	Mounded bullets: 1 Nos. X 71.84 M3	Mounded bullets: 3 Nos. X 71.84 M3	Mounded bullets: 4 Nos. X 71.84 M3 (Capacity: 287.36 M3)

32.Total Water Requirement

Dry season:	**Source of water**	MIDC water supply
	Fresh water (CMD):	250
	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**	MIDC water supply
	Fresh water (CMD):	250
	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	50	-	50	-	-	-	50.0	-	50
Gardening	20	-	20	20	-	20	0.0	-	0.0
Cooling tower & thermopack	20	-	20	15	-	15	5.0	-	5.0
Industrial Process	160	-	160	65	-	65	95.0	-	95.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 m to 15 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 nos.
	Size of recharge pits :	6 m3 each
	Budgetary allocation (Capital cost) :	Rs. 15,00,000.00 /-
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	UGWT (water): 300 m3 X 4 nos. =1200 m 3.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain line is connected to water harvesting pits & over flow is connected to natural water flow path
	Quantity of storm water:	23.4 m3
	Size of SWD:	(2 X 2 X 1.5 m3) X 3 nos.
Sewage and Waste water	**Sewage generation in KLD:**	50 KLD
	STP technology:	Domestic waste water will be treated in existing ETP
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	Paper, cardboard, Packing waste, Wooden scrap, HDPE bags, Metal scrap etc
	Wet waste:	ETP sludge will be utilized as a manure for gardening purpose.
	Hazardous waste:	Spent oil from D.G set.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sale to authorized vendors
	Wet waste:	will be used for planting purpose
	Hazardous waste:	Sold to authorized vendor
	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	pH	-	5.0 to 9.0	6.5 - 8.5	6.5 - 9.0
2	Oil & Grease	mg/l	1000	<10	10
3	Suspended Solids	mg/l	1250	<70	100
4	BOD 3 days 27 Deg.C	mg/l	2500	<30	30
5	COD	mg/l	5000	<200	250

Amount of effluent generation (CMD):	150
Capacity of the ETP:	150
Amount of treated effluent recycled :	135
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Three stage Waste Water Treatment Plant
Disposal of the ETP sludge	ETP sludge, after composting will be used for gardening purpose

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1	Kg/Month	200	-	200	Sold to authorize vendor
2	Waste/residue containing oil	5.2	Kg/Month	70	-	70	CHWTSDF
3	Discarded Containers/barrels	33.3	Nos.	20	-	20	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	D.G set (750KVA)	Diesel (150 Kg/hr)	1	18	200	60

2	Boiler-1 & 2 (2X1.12 TPH)	LPG (100 Kg/hr)	1	18	250	60
3	Oven Stack-1	LPG (25 Kg/hr)	1	12	300	40
4	Oven Stack-2	LPG (25 Kg/hr)	1	12	300	40
5	Oven Stack-3	LPG (25 Kg/hr)	1	12	300	40
6	Oven Stack-4	LPG (25 Kg/hr)	1	12	300	40
7	Oven Stack-5	LPG (25 Kg/hr)	1	12	300	40

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	150 Kg/hr	0.00	150 Kg/hr
2	LPG (Boiler-1 & 2)	100 Kg/hr	0.00	100 Kg/hr
3	LPG (Oven Stack-1)	25 Kg/hr	0.00	25 Kg/hr
4	LPG (Oven Stack-2)	25 Kg/hr	0.00	25 Kg/hr
5	LPG (Oven Stack-3)	25 Kg/hr	0.00	25 Kg/hr
6	LPG (Oven Stack-4)	25 Kg/hr	0.00	25 Kg/hr
7	LPG (Oven Stack-5)	25 Kg/hr	0.00	25 Kg/hr
41.Source of Fuel		Propane is received from refinery through LPG Tank Trucks		
42.Mode of Transportation of fuel to site		Roadways		

43.Green Belt Development	**Total RG area :**	35186 sq. m.
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	Phase I + Phase II= 2000 no's of trees (Existing)
	List of proposed native trees :	Neem, Gulmohar etc.
	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	Bauhinia blakeana	Hong Kong Orchid Tree	112	the Hong Kong Orchid Tree is a legume tree of the genus Bauhinia, with large thick leaves and striking purplish red flowers.
2	Callistemon Lanceolatus /Melaleuca citrina	Bottle Brush, Red Bottle Brush	145	Melaleuca citrina is a shrub growing to 5 m (20 ft) tall but more usually in the range 1–3 m (3–10 ft) high and wide. It has hard, fibrous or papery bark and its young growth is usually covered with soft, silky hairs.
3	Cassia Javanica	apple blossom tree	141	The flowers range in colour from pale pink to crimson with yellow coloured stamens and are found in open clusters. The ground under the tree is covered with a beautiful carpet of pink towards the end of the flowering season.

4	Cordia Sebestena	Scarlet Cordia	171	A medium sized tree to approximately 10 metres in height that is usually found in sandy or rocky coastal thickets (Correll and Correll 1982). Collections indicate that is also found in scrublands as well as on dry hillsides. It has a high salt tolerance making it suitable to grow in coastal areas. As it is used as an ornamental it is also found in urban areas as a street tree (Brown 2003).
5	Cassia Fistula	Indian laburnum/ Amaltaas	141	A tropical ornamental tree with a trunck consisting of hard reddish wood, growing up to 40 feet tall. The wood is hard and heavy; it is used for cabinet, inlay work, etc.
6	Delonix Regia	Gulmohar	125	Moderate sized fast growing, deciduous tree and light feathery foliage. Leaves bipinnate, at base of leaflet two stipules occur. Flowers appear in corymbs along and at the ends of branches.
7	Jacaranda mimosifolia	jacaranda	170	It is a deciduous tree that grows 25-50’ tall in its native habitat.
8	Lagerstroemia Indica	crepe myrtle	170	Flowers, on different trees, are white, pink, mauve, purple or carmine with crimped petals, in panicles up to 9 centimetres (3 1/2 in).
9	Mahogany - Swietenia Mahogany	mahogany/ Honduran mahogany	170	Indian Mahogany grow up to the height of 30 -40 feet. It is fast upright growing tree with abroad rounded symmetrical crown. It is 20 -30 feet in spread.
10	Grevillea robusta	Silver Oak	125	It is a fast-growing evergreen tree, between 18–35 m (59–115 ft) tall, with dark green delicately dented bipinnatifid leaves reminiscent of a fern frond.
11	Spathodea Campanulata	Fountain Tree	165	Flowers are Orange-scarlet coloured, calyx boat-shaped, spathaceous, recurved, covers the flower in bud and then splits on one side and curves back, it has water secreting glands inside and contains water.
12	Bakul Mimusops Elengi	maulsari/ Bakuli/ Spanish cherry	150	Spanish cherry is a lovely green small tree of the Indian subcontinent. With its small shiny, thick, narrow, pointed leaves, straight trunk and spreading branches, it is a prized oranamental specimen because it provides a dense shade and during the months from March to July fills the night air with the delicious heady aroma of its tiny cream colored flowers.

13	Alstonia Scholaris	blackboard tree / devil tree/ Scholar Tree	25	Scholar Tree is an elegant evergreen tree, found in most parts of India.
14	Azadirachta Indica	Neem	190	Neem is native to India and Burma. It is the state tree of Andhra Pradesh. Neem is a fast growing tree that can reach a height of 15-20 m, rarely to 35-40 m.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	Existing electricity will be utilized
	DG set as Power back-up during construction phase	Existing electricity will be utilized
	During Operation phase (Connected load):	2000 KW
	During Operation phase (Demand load):	2500 KVA
	Transformer:	2.6 MVA
	DG set as Power back-up during operation phase:	750 KVA
	Fuel used:	Diesel – 157
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Purchase of energy efficient appliances.
Constant monitoring of energy consumption and defining targets for energy conservation.
Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels.
Condensate will be recovered and will send back to boiler.
Proper temperature controls will be provided to reduce load on heating systems.
Proper load factor will be maintained by the company.
Company will adopt good maintenance practices and will maintain good housekeeping which will help in better illumination levels with least number of fixtures.
On most of roofs transparent acrylic sheets will be provided to use day light and to stop use of lights during day time.
LED lamps will be provided, wherever applicable.
To the extent possible and technically feasible, energy efficient equipment will be selected.
Gravity flow will be preferred wherever possible to save pumping energy.
Recycling of water will done

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air emission- Boilers, D.G set & Ovens	Adequate Stack Height will be provided. In boiler and ovens , LPG is used as a fuel	-
Wastewater - Domestic use & Industrial Use	Industry & domestic waste water wull be treated in ETP and treated water will be used in gardening purpose.	-
Noise - Process area, ETP area, Boiler area	The Boiler would be kept in an isolated area to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.	-
Solid Waste	Sale to authorized vendor / disposal to CHWTSDF	-

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Green Belt development	Tree plantation	1.0
2	Dust suppression	Water sprinkling, dust mask	0.5
3	Environment Monitoring	Monitoring charges of Air, water, noise	0.5
4	Occupational Health	Health check-up, PPEs	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environment Monitoring and Management	Environmental Monitoring of Air, water, noise	-	1.0
2	Occupational Health	Health Check-up of workers, Provision of First-aid medical facility, Provision of PPEs to workers	1.0	0.5
3	Green Belt	Development of trees, Green area	-	8.0
4	CSR Activity	CSR works	2.0	-

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Propane storage facility	Existing	Near Amenity	Mounded bullets: 1 Nos. X 71.84 M3	Mounded bullets: 1 Nos. X 71.84 M3	Mounded bullets: 1 Nos. X 71.84 M3	Propane is received from refinery through LPG Tank Trucks	LPG Tank Trucks - by Roadways
Propane storage facility	Proposed	Near Amenity	Mounded bullets: 3 Nos. X 71.84 M3	Mounded bullets: 3 Nos. X 71.84 M3	Mounded bullets: 3 Nos. X 71.84 M3	Propane is received from refinery through LPG Tank Trucks	LPG Tank Trucks - by Roadways

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	10112
	Area per car:	2.5 X 3 m
	Area per car:	2.5 X 3 m
	Number of 2-Wheelers as approved by competent authority:	Total 2 Wheeler Parking for 400 Two Wheeler
	Number of 4-Wheelers as approved by competent authority:	Total four wheeler Parking for 30 Vehicles
	Public Transport:	Railway Halt At Katpal Railway Station 1.1 KM City Bus Transportation Service
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	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 at this stage.
Water Budget	Not Applicable at this stage.
Waste Water Treatment	Not Applicable at this stage.
Drainage pattern of the project	Not Applicable at this stage.
Ground water parameters	Not Applicable at this stage.
Solid Waste Management	Not Applicable at this stage.
Air Quality & Noise Level issues	Not Applicable at this stage.
Energy Management	Not Applicable at this stage.
Traffic circulation system and risk assessment	Not Applicable at this stage.
Landscape Plan	Not Applicable at this stage.
Disaster management system and risk assessment	Not Applicable at this stage.
Socioeconomic impact assessment	Not Applicable at this stage.
Environmental Management Plan	Not Applicable at this stage.
Any other issues related to environmental sustainability	Not Applicable at this stage.

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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

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.

DECISION OF SEAC

PP requested to postpone the case.

Hence, deferred.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit layout plan showing 33% green belt, adequate internal road width and turning radius required for heavy vehicles, location of emergency equipment, sewage treatment plant, parking areas etc.
3) PP to submit an undertaking for not violating the requirements of EIA Notification 2006 amended time to time.
4) PP to submit copy of drawing approved by PESO for the storage of Propane along with compliance of conditions stipulated in the approval letter.
5) PP to carry out HAZOP and QRA to identify the magnitude of any unforeseen incident and submit copy of Disaster Management Plan.
6) PP to submit copy of agreement/MOU made with HPCL for supply of Propane.
7) PP to submit calculation for storm water draining considering the contour plan and maximum rain fall; PP also to submit details of proposed rain water harvesting scheme.
8) PP to submit details of heat recovery in the oven section of the process.
9) PP to submit details of using solar energy in the proposed project and calculation of energy savings.
10) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
11) PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE (Environmental Clearance : SEAC 2010/CR-538/TC-2 dated 12.10.2011 Valid till 10.10.2018 vide letter SEAC 2010/CR-504/TC-2 dated 27.02.2017) FOR WADAD QUARTZ/QUARTZITE MINE 14.32 ha VILLAGE :WADAD TEHSIL :GONDIA DISTRICT : GONDIA (MS)

Is a Violation Case: No

1.Name of Project	WADAD QUARTZ MINE OF M/S GAHRA MINERALS
2.Type of institution	Private
3.Name of Project Proponent	ABDUL GAFFAR ABDUL SHAKOOR RANGOONWALA
4.Name of Consultant	ENVIRO TECHNO CONSULT PRIVATE LTD NAGPUR
5.Type of project	MINING OF MINERALS
6.New project/expansion in existing project/modernization/diversification in existing project	REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE (Environmental Clearance : SEAC 2010/CR-538/TC-2 dated 12.10.2011 Valid till 10.10.2018 vide letter SEAC 2010/CR-504/TC-2 dated 27.02.2017) FOR WADAD QUARTZ/QUARTZITE MINE 14.32 ha VILLAGE :WADAD TEHSIL :GONDIA DISTRICT : GONDIA (MS)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NOT APPLICABLE
8.Location of the project	GUT NO.195 ML AREA 14.31 HA
9.Taluka	GONDIA
10.Village	WADAD
Correspondence Name:	GAHRA MINERALS PROP ABDUL GAFFAR ABDUL SHAKOOR RANGOONWALA
Room Number:	HABIB NAGAR TEKA NAKA NAGPUR
Floor:	HABIB NAGAR
Building Name:	HABIB NAGAR
Road/Street Name:	TEKA NAKA
Locality:	HABIB NAGAR
City:	NAGPUR
11.Area of the project	GRAMPANCHAYAT AREA
12.IOD/IOA/Concession/Plan Approval Number	ML EXECUTED VIDE 24 MAY 1995
	IOD/IOA/Concession/Plan Approval Number: SCHEME OF MINING APPROVED VIDE LETTER STC/446/2016-17/374 DATED 12.02.2018
	Approved Built-up Area: 14.32
13.Note on the initiated work (If applicable)	PROPOSAL IS FOR REVALIDATION OF PRIOR EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOT APPLICABLE
15.Total Plot Area (sq. m.)	14.32 HA
16.Deductions	0
17.Net Plot area	0
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):**
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 24-05-1996
19.Total ground coverage (m2)	00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	00
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	OFFICE	01	3.5

23.Number of tenants and shops	0
24.Number of expected residents / users	0
25.Tenant density per hectare	0
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	0
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	0
29.Existing structure (s) if any	0
30.Details of the demolition with disposal (If applicable)	0

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	QUARTZ/QUARTZITE	8333	00	8333

32.Total Water Requirement

Dry season:	Source of water	WATER TANKER
	Fresh water (CMD):	4
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	4
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Wet season:	Source of water	WATER TANKER
	Fresh water (CMD):	2
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	2
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
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	2	0	2	2	0	2	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	30
	Size and no of RWH tank(s) and Quantity:	2X2X2 CUM
	Location of the RWH tank(s):	OFFICE
	Quantity of recharge pits:	01
	Size of recharge pits :	2X2X2 CUM
	Budgetary allocation (Capital cost) :	50000
	Budgetary allocation (O & M cost) :	5000
	Details of UGT tanks if any :	NO UG TANK PROVIDED
35.Storm water drainage	**Natural water drainage pattern:**	DRAINAGE PATTERN SOUTH EAST TO NORTH WEST
	Quantity of storm water:	143200
	Size of SWD:	1500 X 1 X 1 CUM
Sewage and Waste water	**Sewage generation in KLD:**	0
	STP technology:	NOT APPLICABLE
	Capacity of STP (CMD):	0
	Location & area of the STP:	0
	Budgetary allocation (Capital cost):	0
	Budgetary allocation (O & M cost):	0
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	0
	Disposal of the construction waste debris:	NOT REQUIRED AS MINE IS UNDER OPERATION SINCE 2012
Waste generation in the operation Phase:	**Dry waste:**	64163 TONNES FOR 5 YEARS
	Wet waste:	0
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	0
	Others if any:	0

Mode of Disposal of waste:	**Dry waste:**	saleable, waste generated is temporary in nature will be blended with qood quality ore for grade adjustment purpose as per user industry requirement
	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):**	SOUTH EAST OF LEASE AREA
	Area for the storage of waste & other material:	3000 SQM
	Area for machinery:	CRUSHER INSTALLED AT SOUTH WEST
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2500000
	O & M cost:	100000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	0	0	0	0	0

Amount of effluent generation (CMD):	0
Capacity of the ETP:	0
Amount of treated effluent recycled :	0
Amount of water send to the CETP:	0
Membership of CETP (if require):	0
Note on ETP technology to be used	0
Disposal of the ETP sludge	0

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	0	0	0	0	0	0	0

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	0	0	0	0	0	0

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	0	0	0	0

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

43.Green Belt Development	**Total RG area :**	1.32 HA
	No of trees to be cut :	0
	Number of trees to be planted :	500
	List of proposed native trees :	PEEPAL, NEEM
	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	PEEPAL	PEEPAL	250	height longevity stability and regeneration capacity these trees are resistant to dust and will be dominent to emission
2	NEEM	NEEM	250	height longevity stability and regeneration capacity these trees are resistant to dust and will be dominent to emission
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)	0
	DG set as Power back-up during construction phase	0
	During Operation phase (Connected load):	50 HP
	During Operation phase (Demand load):	50 HP
	Transformer:	NO
	DG set as Power back-up during operation phase:	NO
	Fuel used:	NO
	Details of high tension line passing through the plot if any:	NO HT LINE PASSING

48.Energy saving by non-conventional method:

BEING MINING IS A DAY TIME OPERATION ONLY LIGHTEING ON STREET ARE INSTALLED. THERE ARE10 STREEL LIGHTS ON HAUL ROAD ALL ARE LED

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	THERE ARE10 STREET LIGHTS ON HAUL ROAD ALL ARE LED	ENERGY SAVING OF 200 W PER STREET LIGHT DUE TO USE OF LED STREET LIGHT

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
MOBILE WATER TANKER	01	0
WATER SPRINKLERS	03	2

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10000
	O & M cost:	1000

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	Environmental pollution control	SPRINKLERS	1.5	0.5
2	ENVIRONMENTAL MONITORING	ENVIRONMENTAL PARAMETERS	00	0.5
3	GREEN BELT	GREEN BELT DEVELOPMENT	1.0	0.5
4	OCCUPATIONAL HEALTH AND SAFETY	OH MEASURES	0.5	0.2
5	SOCIOECONOMIC WELFARE ACTIVITIES	HEALTH CAMPS SHG CAMP	0.2	0.2
6	EMISCELLANEOUS	EMERGENCY VILLAGE WORK	0.2	0.2

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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):	6M
	CRZ/ RRZ clearance obtain, if any:	NOT APPLICABLE
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	12 KM
	Category as per schedule of EIA Notification sheet	B2 REVALIDATION OF PRIOR EC GRANTED VIDE Environmental Clearance : SEAC 2010/CR-538/TC-2 dated 12.10.2011 Valid till 10.10.2018 vide letter SEAC 2010/CR-504/TC-2 dated 27.02.2017)
	Court cases pending if any	NO
	Other Relevant Informations	THIS PROPOSAL IS FOR RENEWAL /REVALIDATION OF PRIOR ENVIRONMENTAL CLEARANCE GRANTED VIDE SEAC 2010/CR-538/TC-2 dated 12.10.2011 Valid till 10.10.2018 vide letter SEAC 2010/CR-504/TC-2 dated 27.02.2017. NO CHAGE IN CAPACITY,ML AREA, TECHNOLOGY, PRODUCTMIX IS PROPOSED. PROPOSED IS SUBMITTED ON PARIVESH VIDE ACKNOWLEDGEMENT NO SIA/MH/MIN/78497/2018 DATED 11.09.2018 WITH COVER LETTER, FORM 1,PFR,COMPLIACE SUBMITTED TO MPCB FOR PRIOR EC GRANTED,ADDENDUM EIAEMP,MINING PLAN,RISK ASSESSMENT REPORT UNDER CATEGORY B2 . REQUEST TO REVALIDATE THE PRIOR ECGRANTED .
	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 the proposal for revalidation of earlier EC obtianed vide No. SEAC 2010/CR-538/TC-2 dated 12.10.2011.

DECISION OF SEAC

PP was not present for the meeting.

As the authority for revalidation of EC is SEIAA, SEAC decided to forward proposal to the SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for New project of manufacturing of synthetic organic chemicals at plot No. D – 14, MIDC Tarapur, Dist: Palghar, Maharashtra by SEYA Industries Ltd.

Is a Violation Case: No

1.Name of Project	New project for manufacturing of synthetic organic chemicals at Plot No. D-14, MIDC Tarapur, Palghar by SEYA Industries Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashok Rajani – Seya Industries Ltd.
4.Name of Consultant	Mr. Anand Apte - Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Synthetic Organic Chemicals
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. D-14, MIDC Tarapur, Palghar
9.Taluka	Palghar
10.Village	Boiser
Correspondence Name:	Mr. Ashok Rajani
Room Number:	502
Floor:	5th Floor,
Building Name:	Ghanshyam chambers,
Road/Street Name:	B-12 Off link road
Locality:	Andheri (West)
City:	Mumbai - 400053
11.Area of the project	Tarapur MIDC
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	61760.00 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.):** 83300.00
	b) Non FSI area (sq. m.): 5000.00
	c) Total BUA area (sq. m.): 88300
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: 14-09-2018
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	3510000000

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
2	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)	9.00 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Paracetamol	Not Applicable	24000 TPA	24000 TPA
2	Acetic Anhydride	Not Applicable	24000 TPA	24000 TPA
3	Total	Not Applicable	48000 TPA	48000 TPA
4	By-Product	--	-	-
5	Dilute Acetic Acid	Not Applicable	33000 TPA	33000 TPA

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	Not applicable	20.00	20.00	Not applicable	04.00	04.00	Not applicable	16.00	16.00
Industrial Process	Not applicable	560.00	560.00	Not applicable	(+) 130.50	(+) 130.50	Not applicable	690.50	690.50
Cooling tower & thermopack	Not applicable	1879.00	1879.00	Not applicable	1109.00	1109.00	Not applicable	770.00	770.00

Gardening	Not applicable	100.00	100.00	Not applicable	100.00	100.00	Not applicable	00.00	00.00
Fresh water requirement	Not applicable	2559.00	2559.00	Not applicable	1082.50	1082.50	Not applicable	1476.50	1476.50

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 -10 m
	Size and no of RWH tank(s) and Quantity:	25 CU.m 1 No. - Quantity – 26 CMD
	Location of the RWH tank(s):	Near raw water tank
	Quantity of recharge pits:	Not applicable as collected water will be reused.
	Size of recharge pits :	Not applicable as collected water will be reused.
	Budgetary allocation (Capital cost) :	4.00 lacs
	Budgetary allocation (O & M cost) :	Rs. 15000/annum
	Details of UGT tanks if any :	No underground tanks.
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains will be provided as per natural slopes.
	Quantity of storm water:	By considering maximum intensity 100 mm of rain fall per hr and 0.9 runoff coeff.= 1556.35 m3/hr., 0.43 m3/s
	Size of SWD:	1 m x 1 m
Sewage and Waste water	**Sewage generation in KLD:**	Total: 16.00 CMD
	STP technology:	Conventional sewage treatment plant of capacity 20.00 CMD will be installed.
	Capacity of STP (CMD):	20.00 CMD
	Location & area of the STP:	Near ETP & 20 Sq.m
	Budgetary allocation (Capital cost):	Rs. 15.00 Lacs.
	Budgetary allocation (O & M cost):	Rs. 1.60 Lacs./annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Yes. Debris, construction metal, excavated earth etc.
	Disposal of the construction waste debris:	Within premises in low lying area
Waste generation in the operation Phase:	**Dry waste:**	Hazardous Waste: • Discarded drums and containers = 100 nos/month will be sold to authorised dealers Non-Hazardous Waste: • Polyethylene Bags = 2.5 TPA • Paper Bag = 1.5 TPA • Light density polyethylene bag = 1.5 TPA
	Wet waste:	Hazardous Waste: • ETP Sludge = 1775.00 TPA • MEE salts = 44404.00 TPA • Spent Carbon from ETP = 262.00 TPA • Spent Carbon from process= 436.00 TPA • Distillation residue from process = 1500.00 TPA
	Hazardous waste:	Hazardous Waste: • Discarded drums and containers = 100 nos/month will be sold to authorised dealers • ETP Sludge = 1775.00 TPA • MEE salts = 44404.00 TPA • Spent Carbon from ETP = 262.00 TPA • Spent Carbon from process = 436.00 TPA Distillation residue from process

Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse
	Wet waste:	CHWTSDF
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	20 Kg/A
	STP Sludge (Dry sludge):	STP sludge will be used as manure within premises.
	Others if any:	Sale to authorized recyclers.
Area requirement:	**Location(s):**	Near ETP area
	Area for the storage of waste & other material:	• Hazardous Waste Storage Area = 707.76 Sq.m
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 7.5 Lacs.
	O & M cost:	Rs. 2700.00 Lacs/A

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	A) High TDS Stream : To Multiple Effect Evaporator	-	-	-	-
2	Parameters	Unit	RO rejects	High TDS from process	Treated effluent & condensate from MEE
3	Flow	m3/day	204.00	500.00	845.00 (704 + 141 steam condensate)
4	pH	--	7.0 - 8.0	5.0 - 6.0	7.0 - 8.0
5	COD	mg/L	250 - 300	3000 - 4000	2800 - 3000
6	TDS	mg/L	4000 - 4500	150000 - 200000	< 150
7	TSS	mg/L	< 100	< 100	< 100
8	B) Low TDS Stream : To ETP Treatment	(Including treated effluent & condensate from Multiple Effect Evaporator (845.00 CMD), effluent from acetic anhydride plant (20.00 CMD), utilities blowdowns & other effluent (900.5)).	-	-	-
9	Parameters	Unit	Inlet to Primary	Inlet to Secondary	Discharge to CETP
10	Flow	m3/day	1765.50 (845 + 920.5)	1765.50	950.00

11	pH	--	5 to 6	7 to 8.5	7 to 8.5
12	BOD3,270C	mg/L	1200 - 1400	1100 - 1200	60 - 80
13	COD	mg/L	2400 - 2800	2200 - 2400	100 - 150
14	TDS	mg/L	100 - 200	1000 - 1200	1000 - 1200
15	TSS	mg/L	400 - 500	80 - 100	80 - 100
16	C) From ETP : To RO	-	-	-	-
17	Parameters	Unit	Inlet	Permeate	Reject
18	Flow	m3/day	815.00	611.00	204.00
19	pH	---	7 to 7.5	7 to 7.5	7 to 7.5
20	TDS	mg/L	1000 - 1200	< 100	4000 - 4500
21	COD	mg/L	100 - 150	< 100	7 to 7.5

Amount of effluent generation (CMD):	Industrial - 1460.50 CMD Domestic - 16.00 CMD
Capacity of the ETP:	2120.00 CMD
Amount of treated effluent recycled :	RO permeate 611 CMD + STP treated water 16 CMD = 627.00 CMD will be recycled.
Amount of water send to the CETP:	Amount of effluent send to the CETP, Tarapur will be 950.00 CMD. Remaining 815.00 CMD effluent will be recycle after proper treatment.
Membership of CETP (if require):	In process.
Note on ETP technology to be used	High TDS effluent from paracetamol plant & reject from RO will be fed to MEE. MEE condensate alongwith treated effluent, effluent from acetic anhydride plant & utilities blow downs will be fed to full fledge ETP consisting of primary, two stages secondary & tertiary treatment for further treatment. Treated effluent will be collected in the final collection tank. Then 950.00 CMD will be discharge to proposed upgraded CETP. Remaining 815.00 CMD will be fed to RO for further treatment, permeate wil
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue from Process	28.1	TPA	Not Applicable	1500.00	1500.00	To CHWTSDF
2	ETP Sludge	35.3	TPA	Not Applicable	1775.00	1775.00	To CHWTSDF
3	MEE salts	35.3	TPA	Not Applicable	44404.00	44404.00	To CHWTSDF
4	Spent Carbon from ETP	35.3	TPA	Not Applicable	262.00	262.00	To CHWTSDF
5	Spent Carbon from process	28.3	TPA	Not Applicable	436.00	436.00	To CHWTSDF
6	Discarded drums & containers	33.1	Nos./Month	Not Applicable	100.00	100.00	MPCB authorised party for reuse
7	Other waste (E & Battery waste)	-	-	-	-	-	-
8	E & Battery waste	Not Specified	TPA	Not Applicable	0.5	0.5	sale to authorized recyclers
9	Non-Hazardous Waste Details	-	-	-	-	-	-
10	Boiler ash	Not Specified	TPA	Not Applicable	5184.00	5184.00	Sale to Brick Manufacturer/cement industry

11	Light density polyethylene bag	Not Specified	TPA	Not Applicable	1.5	1.5	Reuse/sale to authorized party
12	Polyethylene Bags	Not Specified	TPA	Not Applicable	2.5	2.5	Reuse/sale to authorized party
13	Paper Bags	Not Specified	TPA	Not Applicable	1.5	1.5	Scrap Sale

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler - 35 TPH	Coal 84.00 TPD	1	50.00	1.2	125°C
2	Boiler - 25 TPH	Coal 60.00 TPD	Combined stack for both Boilers	50.00	1.2	125°C
3	Ketene furnace – 4.5 Mkcal./hr.	F.O./L.D.O 575.00 Lit./hr	1	30.00	0.4	130°C
4	DG Set – 2000 KVA 2 nos.	HSD, 800 lit/hr.	1	32.00	0.2	140°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	Not Applicable	144.00 TPD	144.00 TPD
2	F.O/L.D.O	Not Applicable	575.00 Lit./hr	575.00 Lit./hr
3	HSD	Not Applicable	800.00 Lit/hr.	800.00 Lit/hr.
41.Source of Fuel		Local & Imported (Coal)		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	20548.00 sq. m (33% of total plot area)
	No of trees to be cut :	Nil
	Number of trees to be planted :	3000.00 Nos. Trees and Shrubs
	List of proposed native trees :	Banyan, Pipal, Neem, Kadamb, etc.
	Timeline for completion of plantation :	With the construction of project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachtaindica	Neem	150	Pollution resistant and Native
2	Bauhinia racemosa	Apta	150	Pollution resistant and Native
3	Ficusbenghalensis	Banyan	150	Pollution resistant and Native
4	Ficusreligiosa	Pimpal	150	Pollution resistant and Native
5	Cassia fistula	Amaltas	150	Pollution resistant and Native
6	Azadirachtaindica	Kaduneem	150	Pollution resistant and Native
7	Plumeria alba	Chafa	150	Pollution resistant and Native

8	Neolamarckiacadamba	Kadamb	150	Pollution resistant and Native
9	Teminaliatomentosa	Ain	150	Pollution resistant and Native
10	Lagerstroemia speciosa	Taman	150	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	300	Pollution resistant and Native
12	Lantana camara	Ghaneri	300	Pollution resistant and Native
13	Calatropisgigentia	Rui	300	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	300	Pollution resistant and Native
15	Neriumindicum	Kanher	300	Pollution resistant and Native
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)	100 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	16000 KW
	During Operation phase (Demand load):	8000 KW
	Transformer:	Will be submitted at the time of EIA report
	DG set as Power back-up during operation phase:	2 Nos of 2.0 MW for each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension lines are passing through the plot

48.Energy saving by non-conventional method:

Nil

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	Not Applicable	Multi-cyclone followed by Bag filter and Stack of adequate height
Water	Not Applicable	MEE, ETP & RO
Noise	Not Applicable	Acoustic enclosure for DG set
Solid Waste	Not Applicable	Disposal to CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2762.00 lacs.
	O & M cost:	5510.00 lacs./Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust	Air Pollution	1.0
2	Debris	Solid Waste	1.0
3	Construction equipment	Noise Pollution	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Provision of Multi cyclone, Bag filter & Stacks for heating units & Scrubbers	200.00	40.00
2	Water pollution control	Multi Effect Evaporator, Effluent Treatment Plant & RO	2550.00	4500.00
3	Noise pollution Control	Acoustic encl./ Ant vibration pads	Already included in capital cost of project	-
4	Occupational health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	30.00	09.00
5	Environmental Monitoring budget	Environmental Monitoring	--	30.00
6	Hazardous waste storage & disposal	Storage,Transportation anddisposal	12.00	940.00
7	Green belt	Development & Maintenance	08.00	03.00

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Acetic Acid	Liquid	Near Acetic Anhydride plant	700 T	560.00	2.6	Local	By Road
Ammonia Cylinder	Gas	Near Acetic Anhydride plant	2.4 T	1.92	0.006	Local	By Road
Butyl Acetate	Liquid	Near Acetic Anhydride plant	3.0 T	2.4	0.004	Local	By Road
Para Nitra Chloro Benzene	Liquid	Near Paracetamol plant	150 T	120.0	2.4	Local	By Road
32 % caustic lye	Liquid	Near Paracetamol plant	240 T	192.0	1.3	Local	By Road
Hydrogen	Gas	Near Paracetamol plant	16.7 T	13.36	0.091	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	7597.57 Sq. m
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m with turning radius of 9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 10 km radius circle.

	Category as per schedule of EIA Notification sheet	5 (f) B1
	Court cases pending if any	Nil
	Other Relevant Informations	TOR has been granted in 131st meeting SEAC - I held on 4th August 2016. After detailed study it was observed that due to some error in calculation part, wrong figures were submitted by us to the consultant during TOR application. Hence, now herewith we would like declare that the corrections made in CS against the ToR application and mentioned in approved ToRs are as per actual calculations. Kindly find below the list of data, which has been revised, in CS against ToR application. Sr. No. Parameters At the time of TOR application Changes done after ToR application 1. By- Product quantity 4013 TPA 33000 TPA 2. Area of Green Belt During ToR application green belt was During EIA green belt has been revised proposed as 33% of open space i.e. 10190 Sq. m. as 33% of total plot area i.e. 20548.57 Sq. m. 3. Effluent generation 1297 CMD (1252+45) 1476.5 CMD (1460.5 + 16) (Trade + Domestic) Effluent generation has been revised as per material balance and blow down from 25 TPH boiler which was earlier 10 TPH. 4. Effluent Disposal After treatment effluent disposal was to CETP As new CETP has not been commissioned as unit will run on Zero Liquid discharge basis till commissioning of new CETP. 5. Boiler Capacity 35 TPH X 1 no. & Steam requirement calculations was wrong 10 TPH X 1no. and boiler capacities has been revised as per actual requirement of steam 35 TPH X 1 no & 25 TPH X 1 no 6. Fuel type (Consumption) Imported Coal (132.00 TPD) Imported Coal (144.00 TPD) 7. Stack Height 60 m 50 m 8. Capital cost 323.00 Cr 351.00 Cr 9. Hazardous waste Quantities • Distillation residue: 1642 TPA • Distillation residue: 1500 TPA • Spent carbon from Process: 432.00 TPA • Spent carbon from Process: 436.00 TPA • ETP Sludge: 1130.00 TPA • ETP Sludge: 1775.00 TPA • Spent carbon from ETP: 267.00 TPA • Spent carbon from ETP: 262.00 TPA • MEE Solids : 37800.00 TPA • MEE Solids : 44404.00 TPA 10. Power Requirement 8149 KW 16000 KW 11. DG Sets 1.750 MW X 1 no. 2.0 MW X 2 no.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-07-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP 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.

DECISION OF SEAC

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

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

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

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

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to carry out life cycle analysis of the activities carried out on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc
3) PP to carry out HAZOP and QRA and submit disaster management plan.
4) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.
6) PP to inlcude rain water harvesting calculations in the EIA report.
7) PP to include details of recycle/reuse of by propducts in the EIA reprot.
8) PP to submit hazardous chemical handling protocol
9) PP to include water and carbon foot print monitoring in the Environment Management Plan.
10) PP to provide new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.
11) PP to provide lightening arrestor.

FINAL RECOMMENDATION

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

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for Proposed Construction of Factory on Plot no. A-8 in Ambernath Industrial Area, M.I.D.C. Ambernath, District: Thane, Maharashtra, India by M/s. Sugandh Corporation.

Is a Violation Case: No

1.Name of Project	Environment Clearance for proposed Factory on Plot no. A-8 in Ambernath Industrial Area, M.I.D.C. Ambernath, District: Thane, Maharashtra, India by M/s. Sugandh Corporation.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Sugandh Corporation
4.Name of Consultant	Ultratech Environment consultancy and laboratory
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot no. A - 8, Ambernath Industrial Area, M.I.D.C. Ambernath.
9.Taluka	Ambernath
10.Village	Ambernath
Correspondence Name:	Mr. Deepak A. Naik
Room Number:	Flat No. 402, Wing A-1
Floor:	4th Floor
Building Name:	Vertex Solitaire
Road/Street Name:	Bhiwandi Murbad Road
Locality:	Kalyan (W) - 421301
City:	Kalyan , Maharashtra, India.
11.Area of the project	Municipal
12.IOD/IOA/Concession/Plan Approval Number	MIDC lease Agreement vide no. ROT-2/AMC/A-B/2132 dated 9 October, 2017 for A-8 Plot in MIDC. Layout approval is under Process.
	IOD/IOA/Concession/Plan Approval Number: Layout approval is under Process.
	Approved Built-up Area: 1288.58
13.Note on the initiated work (If applicable)	No Construction work has been started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC lease Agreement vide no. ROT-2/AMC/A-B/2132 dated 9 October, 2017.Layout approval is under Process.
15.Total Plot Area (sq. m.)	1612.45 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.): 1288.58
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 09-10-2017
19.Total ground coverage (m2)	644.29 Sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.95 %
21.Estimated cost of the project	15700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	2	11.5

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	30 persons skilled and unskilled workers
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)	24.0 meter Kalyan Badlapur road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.00 m
29.Existing structure (s) if any	This is the empty MIDC Plot allotted on lease by Ambernath MIDC.
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	Silver electroplating additive -A	Not applicable	0.15 MT/M	0.15 MT/M
2	Silver electroplating Brightener -B	Not applicable	0.075 MT/M	0.075 MT/M
3	Silver Electroplating Pilot Plant For Testing Additive & Brightener	Not applicable	0.025 MT/M	0.025 MT/M

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	4 m3/day
	Recycled water - Flushing (CMD):	Fresh water will be used for flushing
	Recycled water - Gardening (CMD):	Fresh water will be used for Gardening
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4 m3/day
	Fire fighting - Underground water tank(CMD):	5000 Lts
	Fire fighting - Overhead water tank(CMD):	2000 Lts
	Excess treated water	ZLD is proposed by use of MEE
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	4 m3/day
	Recycled water - Flushing (CMD):	Fresh water will be used for flushing
	Recycled water - Gardening (CMD):	Fresh water will be used for Gardening
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4 m3/day
	Fire fighting - Underground water tank(CMD):	5000 Lts
	Fire fighting - Overhead water tank(CMD):	2000 Lts
	Excess treated water	ZLD is proposed by use of MEE
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	Not applicable	3 CMD	3 CMD	Not applicable	1 CMD	1 CMD	Not applicable	2 CMD	2 CMD
Industrial Process	Not applicable	0.7 CMD	0.7 CMD	Not applicable	0.1 CMD	0.1 CMD	Not applicable	0.6 CMD	0.6 CMD
Gardening	Not applicable	0.2 CMD	0.2 CMD	Not applicable	0.2 CMD	0.2 CMD	Not applicable	0 CMD	0 CMD

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.0 meter
	Size and no of RWH tank(s) and Quantity:	Not proposed
	Location of the RWH tank(s):	Not proposed
	Quantity of recharge pits:	Not proposed
	Size of recharge pits :	Not proposed
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	UG tank 10000 Lts is proposed at ground level as per requirement of building.
35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	0.03 cum/sec
	Size of SWD:	600 mm X 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	2.6 KLD
	STP technology:	Septic tank and Soak Pit proposed for 0.75 KLD flush water
	Capacity of STP (CMD):	Not Proposed
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	4 Kg/day
	Disposal of the construction waste debris:	9 Kg/day
Waste generation in the operation Phase:	**Dry waste:**	6 Kg/day
	Wet waste:	3 Kg/day
	Hazardous waste:	25 kg /month ETP Sludge category 35.3
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Segregated at site and will be handover to authorised dealer
	Wet waste:	Segregated at site and will be treated in compost pit
	Hazardous waste:	Membership of CHWTSDF will be taken and will be disposed through them
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Within Factory Boundry
	Area for the storage of waste & other material:	100 sq.ft
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1.0 lakh
	O & M cost:	0.2 lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4.0	Zero liquid Discharge is proposed	ZLD /100% recycled is mentioned in Consent order
2	COD	mg/lit	5000-6000	Zero liquid Discharge is proposed	ZLD /100% recycled is mentioned in Consent order
3	BOD	mg/lit	2500	Zero liquid Discharge is proposed	ZLD /100% recycled is mentioned in Consent order
4	SS	mg/lit	150-200	Zero liquid Discharge is proposed	ZLD /100% recycled is mentioned in Consent order
5	TDS	mg/lit	1000-1500	Zero liquid Discharge is proposed	ZLD /100% recycled is mentioned in Consent order

Amount of effluent generation (CMD):	0.6
Capacity of the ETP:	1.0 CMD
Amount of treated effluent recycled :	ZLD is proposed through MEE
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	ZLD is proposed through MEE
Disposal of the ETP sludge	25 kg/ M will be disposed through CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	kg/M	Not applicable	25	25	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	process vent 9 silver electroplating -B	Not applicable	1	5.0	0.3	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 :**	540.0 sq.mt (33.48%)
	No of trees to be cut :	Nil
	Number of trees to be planted :	26.0
	List of proposed native trees :	Cocos nucifera, Mangifera Indica,Saraca asoca,Delonix regia Rafin,Prunus dulcis,Nyctanthes arbortritis,Michelia champaca,Mimusops elengi,Azadiracta indica
	Timeline for completion of plantation :	Before start of Production

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	5	Kalpavriksha, Ornamental Tree
2	Mangifera Indica	Mango	2	Fruit bearing tree, attracts birds
3	Saraca asoca	Ashok	3	Evergreen tree
4	Delonix regia Rafin	Gulmohar	2	Flowering plant
5	Prunus dulcis	Almond	2	Edible
6	Nyctanthes arbortritis	Parijatak	3	Flowers scented, small and attractive blooms in night. -Tree is large shrub & provides good shade.
7	Michelia champaca	Champa	2	Evergreen tree, Flowering and ornamental
8	Mimusops elengi	Bakul	3	Dense canopy provides cool shade. -sacred tree among hindus.
9	Azadiracta indica	Neem	4	-Fast growing tree grows up to 15-20 m height -Neem having antibacterial and antifungal activities -Used to control pests.
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)	50 KW
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	60 KW
	During Operation phase (Demand load):	50 KVA
	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:

Energy Efficient motors and Energy Efficient lighting is proposed in Factory

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Efficient Motors and Energy Efficient lighting in whole factory layout	10%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Effluent from Industrial Process	Not applicable	ETP with MEE
Sewage	Not applicable	Septic Tank and Soak pit
process vent 9 silver electroplating -B	Not applicable	Scrubber with 5.0 meter height Stack

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	3.0 lakhs
	O & M cost:	0.5 lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust control	Water for Dust Supperession	0.2

2	Site Sanitation	Septic tank	0.3
3	Environmental Monitoring	For Air, Water, soil and Noise anlaysis from MoEF accredited lab	1.3
4	Disinfection at site	use of Disinfectants	0.2
5	Health Check up of Workers	Occupational Safety	1.0
6	DMP Cost	Safety at site	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Scrubber and vent	0.6	0.2
2	Water Pollution Control	ETP with MEE for industrial Effluent along with septic tank and soak pit for sewage	6.0	1.5
3	Noise Pollution Control	Noise barrier and energy efficient less noisy motors	1.2	0.3
4	Solid waste management	ETP sludge disposal through CHWTSDF and Composting	1.0	0.2
5	Environment Monitoring	Air, Water, Noise, Soil Through MoEF lab	-	1.0
6	Occupational Health	Worker's Health monitoring	1.0	0.3
7	Green Belt	Tree plantation and maintenance	0.5	0.3
8	Energy saving	Energy Efficient Motors and Energy Efficient lighting	3.0	0.5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Hydrochloric Acid	Hazardous	Raw Material Storage Area	0.400	0.5	0.4	Local Vendors	By Road
Sulphuric Acid	Hazardous	Raw Material Storage Area	0.02	0.1	0.02	Local Vendors	By Road
CDS	inflammable	Raw Material Storage Area	0.2	0.4	0.2	Local Vendors	By Road
Formaldehyde	Hazardous	Raw Material Storage Area	0.03	0.1	0.05	Local Vendors	By Road

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	9.0 meter internal road meets 24.0 meter kalyan Badlapur road.
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	192.0 sq.mt (12.0 %)
	Area per car:	18.0 sq.mt
	Area per car:	18.0 sq.mt
	Number of 2-Wheelers as approved by competent authority:	5.0
	Number of 4-Wheelers as approved by competent authority:	8.0
	Public Transport:	Bus, Share Rickshaw and Railway transport is easily available
	Width of all Internal roads (m):	6.0
	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) B2
	Court cases pending if any	No
	Other Relevant Informations	EIA is not required as project is under B-2 category & is in Ambernath MIDC area (i.e in notified Industrial Area) Hence Public hearing is not applicable. Project will be assessed base on application form-1 and prefeasibility report
	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 prior Environment Clearance under category 5(f)B2 as per Notification issued by MoEF&CC dated 25th june, 2014

DECISION OF SEAC

After detailed deliberatin with the PP, SEAC decided to defer the proposal till PP submit compliance of following points,

Specific Conditions by SEAC:

1) PP to submit justification along with credible documents showing the proposal submitted can be considered under category "B2" of the EIA Notification.
2) PP to submit permission obtained from competent authority for water supply along with its quantity.
3) PP to submit justification to establish that the proposed project/activity does not fall in the MAH units as per the Management, Storage and Import of Hazardous Chemicals Rules, 1989
4) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
5) PP to submit detailed manufacturing process along with material balance, water balance, waste generation etc.
6) PP to submit list of all raw materials along with its daily consumption quantities.
7) 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.
8) PP to submit Environment Management Plan.

FINAL RECOMMENDATION

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

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for Renewal of existing Environmental Clearance

Is a Violation Case: No

1.Name of Project	M/s. Mazda Colours Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Dhiren Mehta
4.Name of Consultant	Building Environment (India) Pvt. Ltd. Mumbai – 400 614
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA, it is renewal of existing Environmental Clearance
8.Location of the project	Plot 121/1, Dhatav MIDC, Roha, Raigad, Maharashtra
9.Taluka	Roha
10.Village	Dhatav
Correspondence Name:	Mr. Dhiren Mehta [Whole Time Director]
Room Number:	NA
Floor:	NA
Building Name:	N.K.M International House,
Road/Street Name:	178, Backbay Reclamation, Babubhai Chinai Marg
Locality:	NA
City:	Mumbai - 400 020
11.Area of the project	Dhatav MIDC
12.IOD/IOA/Concession/Plan Approval Number	approved plan No. NO/DE/RH/IFMS -A27180 of 14 dated 24.01.2014
	IOD/IOA/Concession/Plan Approval Number: NO/DE/RH/IFMS -A27180 of 14
	Approved Built-up Area: 17077.70
13.Note on the initiated work (If applicable)	17077.70 As per sanctioned plan
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	33970
16.Deductions	0
17.Net Plot area	33970
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):**
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 19000
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 24-01-2014
19.Total ground coverage (m2)	9473.10
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.879
21.Estimated cost of the project	1578175000

22.Number of buildings & its configuration

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

1	NA	NA	NA

23.Number of tenants and shops	NA
24.Number of expected residents / users	167
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.5m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	As per sanctioned plan
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Mazcol Crude Blue (Copper Phthalocyanine)	1000	0	1000
2	Mazcol Blue 15.0 (Alpha Blue)	250	0	250
3	Mazcol Blue 15.3 (Beta Blue)	300	0	300
4	Mazcol Green 706	250	0	250
5	Mazcol Blue and Green colorant	200	0	200
6	Mazcol RMB 650	125	0	125
7	Mazcol MCF 5000	100	0	100
8	Dil. Sulphuric Acid [By.Product]	10	1490	1500
9	Dilute Hydrochloric Acid[By.Product]	10	0	10
10	Aluminum Chloride Solution[By.Product]	80	0	80
11	Ammonium Carbonate Solution[By.Product]	0	1200	1200
12	Ammonium Sulphate[By.Product]	0	500	500

32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	3390
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	3420
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	3066
Wet season:	Source of water	MIDC
	Fresh water (CMD):	3390
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	3390
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	3066
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	30	0	30	5	0	5	25	0	25
Industrial Process	3210	0	3210	75	0	75	3135	0	3135
Cooling tower & thermopack	150	0	150	150	0	150	0	0	0

Gardening	30	0	30	30	0	30	0	0	0
Fresh water requirement	3390	0	3390	260	0	260	3160	0	3160

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8-10
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	1
	Size of recharge pits :	3mx3mx3m
	Budgetary allocation (Capital cost) :	50 Lakh
	Budgetary allocation (O & M cost) :	5Lakh
	Details of UGT tanks if any :	500m3

35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	411m3/hr
	Size of SWD:	600mm

Sewage and Waste water	**Sewage generation in KLD:**	25
	STP technology:	MBBR
	Capacity of STP (CMD):	1 x 40CMD
	Location & area of the STP:	Near Amenity Building
	Budgetary allocation (Capital cost):	20 Lakh
	Budgetary allocation (O & M cost):	1 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	0
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	Dry Waste - 28kg/day, Cola Ash - 6MTD, Waste Paper, Card Boards, waste material, waste glass bottles, glass wares, waste plastic PVC Scrap & metal Scrap - 150MTD
	Wet waste:	23kg/day
	Hazardous waste:	As per point number 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	36MT/A
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Sold to authorized Recycler
	Wet waste:	Shall be handed over to recycler
	Hazardous waste:	AS per Point number 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a Manure
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	66.3m3
	Area for machinery:	Included in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10Lakh
	O & M cost:	7Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	7.8	7.4	5.5 – 9.0
2	TSS	mg/l	28	12.0	100
3	TDS	mg/l	2030	566.0	2100
4	COD	mg/l	1280	136.0	250
5	BOD	mg/l	328	24.0	100
6	O&G	mg/l	BDL	10.0	10
7	Sulphate	mg/l	825	48.0	1000
8	Chloride	mg/l	30	22	600

Amount of effluent generation (CMD):	Presently industry is generating 1050CMD industrial effluent and shall generate total effluent of 3135CMD during operation with full production capacity as granted in EC
Capacity of the ETP:	1500CMD existing and has proposed 1650CMD ETP for full production capacity as granted in EC
Amount of treated effluent recycled :	30CMD for Gardening purpose
Amount of water send to the CETP:	Presently, industry is discharging only 1050CMD as per exiting permission and shall send total of 3066CMD during operation with full production capacity as granted in EC
Membership of CETP (if require):	Yes obtained on 07.01.2011
Note on ETP technology to be used	Membrane Biological Reactor System with MEE & RO
Disposal of the ETP sludge	CHWTSDF / Sale to authorized parties

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	MTA	10	0	10	Authorized Re-processor
2	Oil Soaked Cotton	5.2	MTA	10	0	10	CHWTSDF/Sale to authorized parties
3	Process residue/waste	21.1	MTA	50	0	50	CHWTSDF/Sale to authorized parties

4	Chemical Sludge from ETP	34.3	MTA	1750	0	1750	CHWTSDF/Sale to authorized parties
5	Discarded Containers & Barrels	33.3	MTA	250	0	250	CHWTSDF/Sale to authorized parties
6	Salt Generated from MEE	34.3	MTA	4200	0	4200	MEE salt shall be either converted into by-product or shall be sent to CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler No.1& Thermo pack 2	900 LPH	1	30	1	139
2	Boiler No.1& Thermo pack 4	67 MTD	2	30	1	139
3	DG Set	260LPH	3	6	0.45	340
4	CPC Crude Production	0	4	6.1	0.4	32
5	CPC Crude Production	0	5	4.5	0.3	31
6	Mazcol Blue 150	0	6	3.5	0.3	32
7	CPC SFD Stack	0	7	24	0.65	32
8	BETA SFD Stack	0	8	24	0.5	32
9	ALPHA SFD Stack	0	9	24	0.5	32

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	260 lit/hr	0	260 lit/hr
2	FO	900 lit/hr	0	900 lit/hr
3	Coal	67 MT/D	0	67 MT/D
41.Source of Fuel		Market and local Vendor		
42.Mode of Transportation of fuel to site		Truck and Tanker		

43.Green Belt Development	**Total RG area :**	10000
	No of trees to be cut :	0
	Number of trees to be planted :	1002
	List of proposed native trees :	As mentioned in point 48
	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	Areca Palm	Dypsislutescens	119	Air purifier plant
2	Bottle palm	Hyophorbelagenicaulis	32	Air purifier plant
3	Ashoka	Saracaasoca	32	Medicinal plant

4	Neem	Azadirachtaindica	13	Medicinal Use
5	Mango	Mangifera indica	02	Evergreen foliage, juicy fruit.
6	Karmer	Karmer	01	Evergreen
7	Christmas tree	Araucaria heterophylla	08	Accumulate significant amounts of dust, mold spores, and other irritating detritus
8	Guava	Psidiumguajava	01	Antidiarrheal antibacterial, antioxidant, antispasmodic, anti-inflammatory, anti-anemic, hemostatic and sedative. High in vitamin C.
9	Rajtura	Caesalpinia pulcherrima	20	The infusion of the leaves is used to prevent recurrence like malaria, promote menstrual flow, work as a purgative, and for producing energy.
10	Date palm	Phoenix dactylifera	01	Its gum (exudes from wounds) is used for the treatment of diarrhoea, it can counteract alcoholic intoxication, and its roots are used against tooth ache and pollen supply estrogens.
11	Jack fruit	Artocarpus heterophyllus	01	Its leaves and roots have been used for medicinal purposes.
12	Gulmohar	Delonixregia	01	The oil cake is good fertiliser.
13	Manani	Manani	50	Evergreen
14	Betti	Betti	30	Evergreen
15	ExoraPhilipance Varity Red	Ixora coccinea	50	Several Ixora species are used in traditional medicine, e.g. as an astringent and to treat dysentery and tuberculosis
16	Bitte yellow flowers	Allamanda	30	Allamanda species have been used in systems of traditional medicine for various purposes. A. cathartica has been used to treat liver tumors,jaundice, splenomegaly, and malaria.
17	Double Tagar	Tabernaemontana divaricata	10	The flowers, mixed with oil, are applied to sore eyes
18	Double Exora	Ixora coccinea	10	Several Ixora species are used in traditional medicine, e.g. as an astringent and to treat dysentery and tuberculosis.
19	But Mogra	Jasminum sambac	10	asminum sambac has many medicinal properties like anti-depressant, antiseptic, cicatrisant, aphrodisiac, expectorant, anti-spasmodic, galactogogue, sedative, parturient, uterine etc.
20	Gulab Red	Rosa	30	Rose petals or flower buds are sometimes used to flavour ordinary tea, or combined with other herbs to make herbal teas.
21	Exzoradroff Varity	Exzoradroff Varity	20	Evergreen

22	Mini Exora	Ixora coccinea	100	Several Ixora species are used in traditional medicine, e.g. as an astringent and to treat dysentery and tuberculosis.
23	Bougainvillea	Bougainvillea glabra	225	The flowers and stems are dried, boil in water and drink as tea.Bougainvillea leaves are used to cure variety of disorders like for diarrhea, and to reduce stomach acidity.
24	Musanda	Mussaenda erthrophylla	50	The whole plant of Wild mussenda is used cough, bronchitis, fever, wounds, ulcers, leucoderma, pruritus, jaundice and Leaves make excellent herbal shampoo.
25	Mini Kamini	Murraya exotica	50	This species is used sometimes as an ornamental plant in India and has a medicinal use.
26	Jaswand	Hibiscus rosa-sinensis	20	The roots of the Hibiscus rosa-sinensis are used for cough treatments. The leaves of the Hibiscus rosa-sinensis are used as a laxative.
27	Frangipani white	Plumeria	5	Frangipani flowers, and the tree itself, are known for their beauty and the decorative appeal they add to yards and gardens.
28	Frangipani red	Plumeria rubra	5	It has been used in the folk medicine systems of civilizations for the treatment however as abortifacient, drastic, purgative, blennorrhagia, used in toothache and for carious teeth.
29	Tagar	Tabernaemontana Divaricata	50	The flowers, mixed with oil, are applied to sore eyes
30	Ananta	Gardenia jasminoides	15	It is also used as an antioxidant, to reduce swelling, and to improve the immune system.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	4850kW
	During Operation phase (Demand load):	89000kW
	Transformer:	2500KVA, 22KV/0.433
	DG set as Power back-up during operation phase:	1250KVA
	Fuel used:	FO – 900 LPH HSD – 260 LPH Coal – 67 MTD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Used LED lamp fittings inside the plants, office & for street lighting.
Used IE 2 class motors for rating above 20 HP.
Variable frequency drives have been used to reduce the high starting torque for 240 HP motors of the ball mills.
Use of higher capacity equipment's to optimize the batch sizes.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Used LED lamp fittings inside the plants, office & for street lighting. Used IE 2 class motors for rating above 20 HP. Variable frequency drives have been used to reduce the high starting torque for 240 HP motors of the ball mills. Use of higher capacity equipment's to optimize the batch sizes.	1.25

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
D.G. Set	Acoustic Enclosure with proper stack height	Already provided
Process Stacks	Scrubbers & Bag Filters	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	270 LAKH
	O & M cost:	12 LAKH

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution	Provision of APCEs	70	11
2	Rain Water Harvesting	Rain Water Harvesting	50	5
3	Water Pollution	Installation of STP & ETP	2805	80
4	Solid Waste	Organic Waste Composting	6	1
5	Green Belt	Tree Plantation	12	4
6	Energy Saving	Energy saving	270	12
7	Environment Monitoring	Environment Monitoring	0	4

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
Sulphuric Acid	Liquid	Tank Farm	50 KL	182	562	Market	By Road
Xylene	Liquid	Tank Farm	11 KL	10	5	Market	By Road
Ortho Nitro Toluene	Liquid	Tank Farm	30 KL	28	55	Market	By Road
Isobutyle Alcohol	Liquid	Tank Farm	30 KL	16	5	Market	By Road
Furnace Oil	Liquid	Tank Farm	24 KL	19	615	Market	By Road
Caustic 45%	Liquid	ETP	20 KL	26	125	Market	By Road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	538
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	21
	Number of 4-Wheelers as approved by competent authority:	34
	Public Transport:	NA
	Width of all Internal roads (m):	6 & 9
	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	5f [b]
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their application for the revalidation of earleir EC.

DECISION OF SEAC

During deliberation PP requested to transfer the propsoal to SEIAA as the authority for revalidation lies with the SEIAA.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for EXTENSION OF VALIDITY OF ENVIRONMENTAL CLEARANCE

Is a Violation Case: No

1.Name of Project	SHIVKRIPA MINERALS
2.Type of institution	Private
3.Name of Project Proponent	DHANANJAY BABURAO SHASTRAKAR
4.Name of Consultant	MANTRAS GREEN RESOURCES LTD.
5.Type of project	Mining Lease Area :30.41 Ha. Production Capacity :20000 Tones/year of laterite
6.New project/expansion in existing project/modernization/diversification in existing project	EXTENSION OF VALIDITY OF ENVIRONMENTAL CLEARANCE
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EXTENSION OF VALIDITY OF ENVIRONMENTAL CLEARANCE
8.Location of the project	KH NO: 10
9.Taluka	JIWTI
10.Village	KHADKI-RAIPUR
Correspondence Name:	Dhananjay Baburao Shastrakar
Room Number:	SAI SERVICES STATION
Floor:	GADCHANDUR
Building Name:	TAHESIL: KORPANA
Road/Street Name:	NA
Locality:	NA
City:	CHANDRAPUR
11.Area of the project	GRAMPANCHAYAT: KHADKI-RAIPUR
12.IOD/IOA/Concession/Plan Approval Number	GRAMPANCHAYAT NOC ENCLOSED
	IOD/IOA/Concession/Plan Approval Number: COPY ENCLOSED
	Approved Built-up Area: 30.41
13.Note on the initiated work (If applicable)	YES
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	30.41
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.): 30.41
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	39.40

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)	CHANDRAPUR
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	LATERITE	1666.66	00	1666.6

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	06
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	06
	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):	06
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	06
	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	01	00	01	0.5	00	0.5	0.5	00	0.5
Industrial Process	05	00	05	04	00	04	01	00	01

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	40 METER
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	NA
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	N
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

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

1	NA	NA	NA	NA	NA

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

38.Hazardous Waste Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development

Total RG area :	NA
No of trees to be cut :	NA
Number of trees to be planted :	NA
List of proposed native trees :	NA
Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	BABUL	BABUL	1000	NA
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

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
NA	NA	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	700000
	O & M cost:	320000

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	NA	NA	NA	NA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No

	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP remained absent

DECISION OF SEAC

PP remained absent.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for Application for TOR for, Expansion/ Modernization of sugar factory capacity from 7500 TCD (313 TCH) to 10000 TCD (417 TCH).

Is a Violation Case: No

General Information: Venue: CSIR- National Chemical Laboratory (NCL)Guesthouse, Pashan Road, Pune- 411008,

1.Name of Project	Expansion/ Modernization of sugar factory capacity from 7500 TCD (313 TCH) to 10000 TCD (417 TCH).
2.Type of institution	Private
3.Name of Project Proponent	Sahakar Maharshi Shankarrao Mohite Patil Sahakari Sakhar Karkhana Limited, Shankarnagar, Taluka: Malshiras, District: Solapur.
4.Name of Consultant	Dr. B. Subba Rao
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project/ Modernization.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, J-11011/ 297/ 2007- IA II (I).
8.Location of the project	13/1, 13/2, 28, 29, 30, 69/1/B, 70, 71/1, 71/2, 72/1, 73, 74, 80/3/A, 80/4, 80/5, 80/6/A, 80/9/A, 80/12, 80/13, 81/1, 81/2/A, 81/2/B, 81/3, 81/4, 81/5, 83/2/B, 93/2/A, 93/2/2 (partially), 94, 80/3/B, 82/2/B, 65/1B/2A, 66/2B.
9.Taluka	Malshiras
10.Village	Shankarnagar, Akluj.
11.Area of the project	OTHER AREA
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 70278
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	444150 sqm..
16.Deductions	70278
17.Net Plot area	373872
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 70278
	b) Non FSI area (sq. m.): 373872
	c) Total BUA area (sq. m.): 444150
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	373872
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.8417
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	NA	NA	NA

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	SUGAR	31200	6240	37440
2	REFINED SUGAR	7500	1500	9000
3	MOLASSES	9600	1920	11520
4	BAGASSE	70000	14000	84000
5	PRESSMUD	9600	1920	11520

32.Total Water Requirement

Dry season:	Source of water	Nira Right-bank Canal
	Fresh water (CMD):	2801
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2801
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	1500 m3/day
Wet season:	Source of water	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	220	0	220	44	0	44	176	0	176
Industrial Process	1981	0	1981	1050	0	1050	931	0	931

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10
	Size and no of RWH tank(s) and Quantity:	2 tanks-25m X 40m X 2.5m = 5000 cum.
	Location of the RWH tank(s):	Near E.T.P.
	Quantity of recharge pits:	0
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	6,00,000
	Budgetary allocation (O & M cost) :	65,000
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	Surface Runoffs
	Quantity of storm water:	22488.96 cum.
	Size of SWD:	(1 X 0.5 X 0.3) m
Sewage and Waste water	**Sewage generation in KLD:**	320
	STP technology:	Septic Tank Followed by Anaerobic filters
	Capacity of STP (CMD):	10- 900 cum.
	Location & area of the STP:	individual STP at housing colony
	Budgetary allocation (Capital cost):	10 lakh
	Budgetary allocation (O & M cost):	50,000 per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 MT
	Disposal of the construction waste debris:	Filling low lying area and for construction of road work
Waste generation in the operation Phase:	**Dry waste:**	Refuse- 1 MT/ year, pressmud 10000 MT/month
	Wet waste:	Garbage- 3 MT/month
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	24 MT/year
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Refuse- recycling, Pressmud- Composting
	Wet waste:	Composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Shankarnagar, Akluj
	Area for the storage of waste & other material:	20000 sqm.
	Area for machinery:	45883 sqm.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8,00,00,000
	O & M cost:	1,00,00,000 per annum.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.5-7	7.5	5.5-9
2	BOD	mg/l	800	23.25	<100
3	COD	mg/l	2000	58.125	<250
4	TSS	mg/l	400-500	14.53	<100

Amount of effluent generation (CMD):	Process effluent-750 CMD, Excess condensate-1500 CMD
Capacity of the ETP:	Process effluent-1000 CMD, Excess condensate- 1500 CMD
Amount of treated effluent recycled :	1500 CMD
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	preliminary treatment (Oil & Grease trap, flow meter), Equalization tank, Anaerobic Filter, Aeration tank, Secondary Clarifier, Sludge drying beds and 15 days treated storage tank for no demand period.
Disposal of the ETP sludge	As a manure after sludge drying

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5 (1)	MT/Month	0.1	0	0.1	Mixed with bagasse and burnt in the 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	during season	BAGASSE- 86400 MT/month	I	80	4	112 deg C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

1	BAGASSE	64800 MT/month	21600 MT/month	86400 MT/month
41.Source of Fuel		BAGASSE FROM SUGARCANE CRUSHING IN FACTORY		
42.Mode of Transportation of fuel to site		BY CONVEYOR BELT- SUGAR FACTORY TO CO-GEN BOILER		

43.Green Belt Development	**Total RG area :**	131900 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	26000
	List of proposed native trees :	Aamba, Babhul, Chafa, Badam, Ashoka, Bahava, Chinch, Bamboo, Chandan and Chiku etc.
	Timeline for completion of plantation :	3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	EUCALYPTUS OBLIQUA	GALI (VARIETY OF EUCALYPTUS))	10000	POLLUTION ABSORBING PLANTS
2	AZADIRACHTA INDICA	NEAM	2500	POLLUTION ABSORBING PLANTS
3	TAMRINDAS INDICA	TAMRIND	4500	POLLUTION ABSORBING PLANTS
4	JATROPHA INTEGERRIMA	JITAROPA	800	POLLUTION ABSORBING PLANTS
5	COCUS NUCIFERA L	COCUNUT	3500	POLLUTION ABSORBING PLANTS
6	ARTOCARPUS HETEROPHYLLUS	JACK FRUIT PLANT	2000	POLLUTION ABSORBING PLANTS
7	TECHTONA GRANDIS	TEAK	2700	POLLUTION ABSORBING PLANTS
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	Besharmi	1	20
2	Bor	1	20
3	Dhotara	0.5	20
4	Earand	1	20
5	Ghaneri	0.5	20
6	Kanheri	0.5	20

47.Energy

Power requirement:	**Source of power supply :**	Own generation
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	16 MW
	During Operation phase (Demand load):	10 MW
	Transformer:	1) 3150 kVA - 5, 2) 4000 kVA- 2, 3) 3500- 2 and 4) 2500 kVA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	Bagasse- 2970 MT/day
	Details of high tension line passing through the plot if any:	132 kVA

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
Process efffluent	Anaerobic followed by aerobic	NA
Condensate treatment	Cooling tower followed by aeration	NA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Fugitive emissions	Particulate matter	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Pollutant	Solid and liquid effluent and gaseous emission	300	50

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:	3
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	53298 sqm.
	Area per car:	10 sqm.
	Area per car:	10 sqm.
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Trucks and bullockcarts
	Width of all Internal roads (m):	20
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	CATEGORY- B
	Court cases pending if any	NA
	Other Relevant Informations	NA

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-02-2017

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(j)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 139th meeting of SEAC where in ToR was granted.

The Public Hearing reprot submitted by the PP.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit revised lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, Raw Material and Finished product storage areas, 33% green belt with its dimensions, rain water harvesting pit/tank locations with dimensions, storm water drain lines, along with area statement showing calculations of each area and cross sections of storm water drain and rain water harvesting pits etc.
2) PP to submit an undertaking for not violating any requirement of EIA Notification,2006.
3) PP to prepare and implement plan to achieve 100% drip irrigation for sugar cane cultivation. PP to promote improved cultivation practices so as to enhance sugar cane production and productivity to meet their crushing requirements without bringing additional area under sugar cane cultivation.
4) PP to submit detailed water balance calculations showing quantity of water generating from the process, quantity of fresh water requirement, quantity of waste water generation, quantity of treated waste water generations, point wise recycle /reuse of treated waste water, quantity of waste water remains after recycle/reuse and its disposal mechanism. PP to implement Zero Liquid Discharge for ETP and submit a commitment in this regard.

FINAL RECOMMENDATION

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

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for Proposed Manufacturing of Generic Drug and Active Pharmaceutical Ingredients

Is a Violation Case: No

1.Name of Project	M/s. Glenmark Pharmaceuticals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. John Salave
4.Name of Consultant	JV Analytical Services
5.Type of project	Industrial Project
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	NA
8.Location of the project	Plot No.A-80
9.Taluka	Daund
10.Village	Kurkumbh
Correspondence Name:	Mr. John Salave
Room Number:	Plot No.A-80
Floor:	-
Building Name:	M/s. Glenmark Pharmaceuticals Ltd.
Road/Street Name:	Plot No.A-80
Locality:	MIDC Kurkumbh
City:	Taluka : Daund, Dist : Pune
11.Area of the project	MIDC kurkumbh
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 2919.50
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7200 sqm
16.Deductions	-
17.Net Plot area	-
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing – 3694 + Proposed – 336
	b) Non FSI area (sq. m.): -
	c) Total BUA area (sq. m.): 4030
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2919.50
	Approved Non FSI area (sq. m.): -
	Date of Approval: 22-05-2014
19.Total ground coverage (m2)	2934.55
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.75% of Total Plot Area
21.Estimated cost of the project	206000000

22.Number of buildings & its configuration

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

1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	25 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter
29.Existing structure (s) if any	3694 sqm
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Diacerein	2400 Kg/Annum	-2400 Kg/Annum	0 Kg/Annum
2	Sertaconazole Nitrate(B)	600 Kg/Annum	1900 Kg/Annum	2500 Kg/Annum
3	Sitagliptin Phosphate(B)	1200 Kg/Annum	-200 Kg/Annum	1000 Kg/Annum
4	Strontium Ranelate LRM(B)	1200 Kg/Annum	-650 Kg/Annum	550 Kg/Annum
5	Linezolid(C)	12000 Kg/Annum	-7000 Kg/Annum	5000 Kg/Annum
6	Olmesartan Medoxomil(C)	14400 Kg/Annum	-6400 Kg/Annum	8000 Kg/Annum
7	Lornoxicam(C)	1200 Kg/Annum	-510 Kg/Annum	690 Kg/Annum
8	Roflumilast(B)	240 Kg/Annum	-230 Kg/Annum	10 Kg/Annum
9	Adapalene 10% microsphere(A)	0	100 Kg/Annum	100 Kg/Annum
10	Bisoprolol Fumarate(A)	0	200 Kg/Annum	200 Kg/Annum
11	Palonasartan(A)	0	1 Kg/Annum	1 Kg/Annum
12	Prasugrel HCL(A)	0	10 Kg/Annum	10 Kg/Annum
13	Apremilast(B)	0	1000 Kg/Annum	1000 Kg/Annum
14	Aprepitant (B)	0	30 Kg/Annum	30 Kg/Annum
15	Azelnidipine(B)	0	15 Kg/Annum	15 Kg/Annum

16	Butenafine HCI(B)	0	160 Kg/Annum	160 Kg/Annum
17	Linagliptin LRM(B)	0	14 Kg/Annum	14 Kg/Annum
18	Linezolid water base(B)	0	500 Kg/Annum	500 Kg/Annum
19	Telmisartan L195 (B)	0	7500 Kg/Annum	7500 Kg/Annum
20	Teneligliptin HBr Hydrate (B)	0	10400 Kg/Annum	10400 Kg/Annum
21	Teneligliptin HCI (B)	0	150 Kg/Annum	150 Kg/Annum
22	Teneligliptin Oxalate (B)	0	150 Kg/Annum	150 Kg/Annum
23	Dabigatran Etexilate Mesylate(C)	0	500 Kg/Annum	500 Kg/Annum
24	Rosuvastatin Ca.(GGL-L157) (C)	0	500 Kg/Annum	500 Kg/Annum
25	Adapalene(D)	0	20 Kg/Annum	20 Kg/Annum
26	Luliconazole(D)	0	1000 Kg/Annum	1000 Kg/Annum
27	Intermediates and R & D Products	-	-	-
28	R & D Product & Bilastine (E)	0	1000 Kg/Annum	1000 Kg/Annum
29	Ivacaftor GGL-S103(F)	0	50 Kg/Annum	50 Kg/Annum
30	Canagliflozin Intermediate GGL-S151 (F)	0	100 Kg/Annum	100 Kg/Annum
31	Dapagliflozin Intermediate GGL-S184(F)	0	150 Kg/Annum	150 Kg/Annum
32	Lomitapide Intermediate GGL-5202 (F)	0	150 Kg/Annum	150 Kg/Annum
33	Lornoxicam St. B Int.(F)	0	200 Kg/Annum	200 Kg/Annum
34	Luliconazole Intermediate S160 (F)	0	150 Kg/Annum	150 Kg/Annum
35	Ospemifene Intermediate S211 (F)	0	150 Kg/Annum	150 Kg/Annum
36	Ospemifene Intermediate S166 (F)	0	50 Kg/Annum	50 Kg/Annum
37	Rosuvastatin st. D int.(GGL-D038)(F)	0	500 Kg/Annum	500 Kg/Annum
38	Lacosamide (G)	0	500 Kg/Annum	500 Kg/Annum
39	Apixaben Intermediate (G)	0	100 Kg/Annum	100 Kg/Annum
40	Cilazapril Intermediate (G)	0	340 Kg/Annum	340 Kg/Annum
41	Lacosamide Intermediate GGL-S078(G)	0	600 Kg/Annum	600 Kg/Annum
42	Lomitapide Intermediate GGL-S192(G)	0	100 Kg/Annum	100 Kg/Annum
43	Mirabregron Int.(G)	0	150 Kg/Annum	150 Kg/Annum

44	Rizatriptin St.A Int.(G)	0	60 Kg/Annum	60 Kg/Annum
45	Dydrogestrone (G)	0	500 Kg/Annum	500 Kg/Annum
46	Fingolimod Int.(H)	0	50 Kg/Annum	50 Kg/Annum
47	Ivacaftor (GGL-S131) (H)	0	100 Kg/Annum	100 Kg/Annum
48	Total	33240 Kg/Annum	11760 Kg/Annum	45000 Kg/Annum
49	Note: Total Proposed Production will not cross 45 MT/Year including total quantity for Group A: 311 Kg/Year, Group B: 23979 Kg/Year, Group C: 14690 Kg/Year, Group D: 1020 Kg/Year, Group E: 1000 Kg/Year, Group F: 1500 Kg/Year, Group G: 2350 Kg/Year & Group H: 150 Kg/Year	-	-	-

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Kurkumbh
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	70
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	80 KL
	Excess treated water	-

Wet season:	**Source of water**	MIDC Kurkumbh
	Fresh water (CMD):	70
	Recycled water - Flushing (CMD):	-
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	70
	Fire fighting - Underground water tank(CMD):	-
	Fire fighting - Overhead water tank(CMD):	80 KL
	Excess treated water	-
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Industrial Process	26	8	34	13.5	1.5	15	12.5	6.5	19
Cooling tower & thermopack	17	3	20	16.5	2.2	18.7	0.5	0.8	1.3
Domestic	9	3	12	2	0.3	2.3	7	2.7	9.7
Gardening	2	2	4	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7 meter BGL
	Size and no of RWH tank(s) and Quantity:	8 nos. of RWH tanks will be constructed having capacity 1000 ltr. of each
	Location of the RWH tank(s):	Adjacent to boundary wall of the industry.
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 0.65 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.20 Lakh/Year
	Details of UGT tanks if any :	10 KL x 4 tanks (15 KL x 3 Overhead tank)

35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	5.15 m3/day
	Size of SWD:	-
Sewage and Waste water	**Sewage generation in KLD:**	9.7
	STP technology:	Septic tank overflow will be connected to ETP
	Capacity of STP (CMD):	Treated in ETP -30 KLD- 1 no.
	Location & area of the STP:	ETP Area: 217.83 m2
	Budgetary allocation (Capital cost):	ETP-Rs. 50 Lakh
	Budgetary allocation (O & M cost):	ETP- Rs. 20 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	Office Waste – 0.5 MT/M, Packing Waste -1.0 MT/M
	Wet waste:	Canteen Sludge – 0.5 MT/M and Septic tank sludge 0.5 MT/M
	Hazardous waste:	Details given in Hazardous waste column
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Septic tank sludge 0.5 MT/M
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Sold to outside party
	Wet waste:	After drying sent to authorized recycler
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Sent to authorized recycler
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	4 m X 6 m = 24 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	-
	O & M cost:	Hazardous waste Disposal- Rs. 21 Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.8	7.8	5.5-9.0
2	TSS	mg/lit	363.7	78.8	100
3	TDS	mg/lit	4153.5	1719	2100
4	COD	mg/lit	148646	227	250
5	BOD	mg/lit	55107	86.9	100
6	Chloride	mg/lit	1880	393	600
7	Sulphate	mg/lit	371.8	343.5	1000

Amount of effluent generation (CMD):	30 m3/day (Trade + Sewage)
Capacity of the ETP:	30 m3/day
Amount of treated effluent recycled :	21 m3/day will be recycled and balance 9 m3/day will be evaporated in MEE
Amount of water send to the CETP:	ZLD proposed, however in case of maintain of MEE treated effluent will be discharged to CETP
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Effluent will be treated in ETP plant consisting primary secondary & tertiary treatment followed by RO, MEE.& ATFD. Final Treated effluent will be discharged in the Common Effluent Treatment Plant, if required in case of maintenance of MEE.
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residue and waste	28.1	MT/Y	216	69	285	CHWDSDF
2	Spent catalyst/spent carbon	28.2/28.3	MT/Y	0.15	23.85	24	RReturn to Manufacture for regeneration/ Disposal to CHWTSDF
3	Date expired discarded and off specified drug	28.5	MT/Y	0.15	4.85	5	CHWTSDF
4	Off specification products	28.4	MT/Y	0.8	4.2	5	CHWTSDF
5	Spent mother liquor	28.5	MT/Y	2.55	497.45	500	Sale to MOEF/MPCB approved recyclers
6	Spent organic solvent	28.6	MT/Y	264	86	350	Sale to MOEF/MPCB approved recyclers
7	Chemical containing residue from decontamination and disposal	34.1	MT/Y	0.20	4.8	5	CHWTSDF
8	Sludge from treatment waste water	35.3	MT/Y	72	23	95	CHWTSDF
9	Discarded container /barrels/liners	33.1	Numbers	50	200	250	CHWTSDF or sale to authorized recyclers.
10	Sludge from wet scrubbers	37.1	MT/Y	0.1	1.9	2	CHWTSDF
11	E waste	-	-	-	-	As & when Generated	Sale to Authorised Recycler

12	Lead Acid Batteries waste	-	-	-	-	As & when Generated	Return to Supplier /Dealers
13	Biomedical Waste	-	-	-	-	As & when Generated	Send to Authorized Vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (Capacity 850kg/hr)	LDO- 60 lit/hr	1	11	0.3	170 Degree C
2	Boiler (Capacity 850kg/hr) - Stand by	LDO- 60 lit/hr	2	11	0.3	170 Degree C
3	DG Set 160 KVA	HSD - 26 lit/day	3	3.5(Above the roof)	0.2	170 Degree C
4	Process reactor common vent (Scrubber)	NA	4	15	0.3	NA
5	DG Set 500 KVA	HSD - 74 lit/hr	5	4.5 (Above thr Roof)	Proposed	Proposed
6	Boiler (Capacity-1.5 TPH)	LDO – 90 lit/hr	6	30	Proposed	Proposed
7	Process reactor common vent (Scrubber)	NA	7	15	Proposed	Proposed

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Light Diesel oil (LDO)	60 lit/hr	90 lit/hr	150 lit/hr
2	High Speed Disel (HSD)	26 lit/hr	74 lit/hr	100 lit/hr
41.Source of Fuel		Hindustan Petroleum or any other agency		
42.Mode of Transportation of fuel to site		By road transportation		

43.Green Belt Development	**Total RG area :**	3031.20 m2 (1191.20 m2 inside the plant and 1840 m2 of MIDC land adjacent to our plant) will be maintain as RG permanently with the permission / agreement with MIDC Kurkumbh
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	500 trees will be planted on MIDC plant
	List of proposed native trees :	Listed in tree list column
	Timeline for completion of plantation :	Before completion of proposed project

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

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

1	Azadirachta indica	Neem	35	Medicinal value, To control soil erosion.
2	Bahunia racemosa	Apta	20	Every part of the plant is medicinal, Drought tolerant species.
3	Dalbergia sissoo	Shisav	25	Medicinal value, Bird attracting species
4	Erythrina indica	Pangara	20	Fragrant flowers, Drought tolerant species, Birds attracting
5	Gmelina arborea	Shivan	20	Medicinal value, Drought tolerant species, Bird attracting species.
6	Murraya exotica	Kamini	20	Native species, Fragrant flowers.
7	Aegle marmelos	Bel	20	Medicinal value, Drought tolerant species.
8	Putrnjiva roxburghii	Putrnjiva	28	Medicinal value, Drought tolerant species.
9	Melia Azaradichta	Bakam neem	26	Medicinal value, Native species Bird attracting species.
10	Albizia lebek	Shirish	20	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
11	Cordia dichotoma	Bhokar	15	Medicinal value, Edible fruits,
12	Bauhinia blackiana	Kanchanraj	16	Every part of the plant is medicinal, Drought tolerant species.
13	Ficus glomerata	Umber	15	Medicinal value, Edible fruits, Bird attracting species
14	Buteamono sperma	Palas	12	Medicinal value, Bird attracting species , To control soil erosion.
15	Syzygium cumini	Jamun	12	Medicinal value, Edible fruit.
16	Anthocephalus kadamba	Kadamb	20	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
17	Ficus retusa	Nandruk	25	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
18	Pongamia pinnata	Karanj	15	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
19	Ailanthus excelsa	Maharukh	20	Medicinal value, To control soil erosion.
20	Cassia fistula	Bahawa	15	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
21	Saraca indica	Sita-ashok	21	Medicinal value, Drought tolerant species.
22	Cochlospermum religiosum	Sonsawar	15	Medicinal value, Native species
23	Elaeocarpus sphaericus	Rudraksha	15	Medicinal value, Native species

24	Dalbergia sissoo	Shisav	35	Medicinal value, Bird attracting species
25	Ficus arnottiana	Payar	15	Drought tolerant species, Bird attracting species. To control soil erosion
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing 520 KVA and Proposed 430 KVA
	During Operation phase (Demand load):	Existing 360 KVA and Proposed 490 KVA
	Transformer:	Existing - 500 KVA & Proposed – 1600 KVA
	DG set as Power back-up during operation phase:	160 KVA- 1 No(Existing) and 500 KVA- 1 No(Proposed)
	Fuel used:	HSD and LDO
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar Street light – 12 numbers on solar panel

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar	1 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Wastewater Treatment	For Sewage Septic tank and for Effluent -ETP plant consisting primary treatment and will be discharged in the Common Effluent Treatment Plant	Total effluent generated from the project will be 30 CMD. This will be treated in ETP plant consisting primary secondary & tertiary treatment followed by RO, MEE& ATFD. In case of maintenance will be discharge to CETP
Air Pollution Control	Adequate Height of the Stack, Scrubber with alkaline media	Adequate Height of the Stack, Scrubber with alkaline media

Hazardous Waste management	Process Residues & Wastes, off specification products, ETP Sludge is disposed to CHWTSDF and Spent mother liquor, Spent organic solvent Sale to MoEF&CC/MPCB/CPCB approved recyclers	Process Residues & Wastes, off specification products, ETP Sludge Will be disposed to CHWTSDF and Spent mother liquor, Spent organic solvent Sale to MoEF&CC/MPCB/CPCB approved recyclers
Noise	Most of the noise generating equipments is kept in closed structures. Acoustic systems is provided to D.G. set. The workers are provided with ear muff, ear plug while working at noisy area	Most of the noise generating equipments will be kept in closed structures. Acoustic systems will be provided to D.G. set. The workers will also be provided with ear muff, ear plug while working at noisy area.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.1.20 Lakh
	O & M cost:	-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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 Environment	Air Pollution Control System, Scrubber	66	0.2
2	Water Environment	Septic tank, ETP, RO, MEE and ATFD	320	150
3	Environment Monitoring and Management	Post Project Environmental Monitoring: Ambient Air Quality, Stack Emission, Noise, Effluent Quality, Work Zone Monitoring	0	2.0
4	Occupational Health	Regular Health Checkup	0	1.0
5	Green Belt	3031.20 m2 area is reserved for green belt development.	12	5.50
6	Hazardous Waste Disposal	-	-	21
7	RWH	Rain Water Harvesting	0.65	0.20
8	Solar Panel	Energy Saving	1.20	-

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
Acetonitrile	-	Drum Shed	5	4	1	Apra Enterprises, MASJID BUNDER WEST,MUMBAI	Truck

Cyclohexane	-	Drum Shed	1	0.6	0.5	KETULCHEM PVT LTD BORIVALI –WEST, MUMBAI	Truck
Dimethyl acetamide	-	Drum Shed	5	5	5	Sparchem, BANDRA (EAST),MUMBAI	Truck
Dimethyl Formamide	-	Drum Shed	5	3	3	Chemtrade oversess Pvt Ltd, GHATKOPAR EAST,MUMABI	Truck
Dimethyl Sulfoxide	-	Drum Shed	3	2	2.0	K. Uttamlal & co., P. O. Box No.5174, Mumbai	Truck
Hexane	-	Drum Shed	3	2	0.6	JPB Chemicals Industries Pvt Ltd, R. No.2, D.J. Road, Vile Parle (W), Mumbai	Truck
Industrial Solvent	-	Drum Shed	10	10	10	Shri Venkatesh Organics , Newasa road Shrirampur ,Dist : Ahmednagar,	Truck
Methyl Ethyl Ketone	-	Drum Shed	0.825	0.6	0.4	JPB Chemicals Industries Pvt Ltd, R. No.2, D.J. Road, Vile Parle (W), Mumbai	Truck
Methyl Tert Butyl Ether	-	Drum Shed	2	1	1.0	Vinati Organics Ltd BKC, Bandra (E),Mumbai	Truck
Mixed Xylene	-	Drum Shed	2	1	1	Pioneer Chemical Industries , Vile Parle-(East), Mumbai	Truck
N-Heptene	-	Drum Shed	2	2	1	Vipul Life sciences Ltd , 121/127, KAZI SAYED STREET ,MUMBAI	Truck
Ortho Xylene	-	Drum Shed	5	5	5	Saraswati Chemical Corp. B/1102, NAHUR VILLAGE, MULUND(W), MUMBAI	Truck
Tetra Hydro Furan	-	Drum Shed	5	5	3	Ascus International(S) Pte Ltd PENINSULAR PLAZA, SINGAPORE	Truck
Triethyl Amine	-	Drum Shed	1.5	1.5	1.5	Alkyl Amines Chemicals Ltd Kurkumbh, Taluka Daund,Plot No. D-6/1,Pune	Truck
N-Butanol	-	Drum Shed	1.1	0.8	0.8	SWATI INDUSTRIES, G-39/19 MIDC WALUJ, AURANGABAD	Truck
Toluene	-	UG Tank	15	10	10	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker
Ethyl Acetate	-	UG Tank	15	10	10	GODAVARI BIOREFINERIES LTD, 45/47, M. G. ROAD,FORT MUMBAI	Tanker
Acetone	-	UG Tank	15	10	10	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker
Methanol	-	UG Tank	15	10	8	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker
Methylene Chloride	-	Vertical Tank	18	15	12	GUJARAT FLUOROCHEMICALS LTD., PLOT:12/A, GIDC, DAHEJ, BHARUCH	Tanker
Isopropyl Alcohol	-	Vertical Tank	18	15	12	Dia Chemie,S.V. Road, Goregaon (W), Mumbai	Tanker

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	30 m2
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	2 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 meter
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	5(f)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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

The proposal was considerd in the 152nd meeting of SEAC-1 held on 12th June, 2018 where in the proposal was deferred for following reason,

During deliberations it was observed that PP has not filled correct data in the consolidated statement as well as the layout plan was not adequate.

PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc. to decide on the ToR.

Hence, Deferred.

DECISION OF SEAC

During deliberations it was observed that, PP provided only 11% green belt within the plot area. PP submitted that they have obtained the plot from M/s Quest Organics Pvt. Ltd. in MIDC and their industry is in operation from the year2005 . Now PP has planned for expansion in the existing facility. To achieve 33% green belt, PP have obtianed plot on lease from MIDC adjacent to the approach road.

In view of above SEAC decided to refer the proposal to the SEIAA whether green belt out side the manufacturing plot but within the same MIDC area can be considered for the compliance of condition of 33% green belt development.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

157th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 157th (A) **Meeting Date** November 20, 2018

Subject: Environment Clearance for Environmental Clearance for proposed expansion of M/s. Halides Chemicals Pvt. Ltd. from 636 MT/Year to 3407.26MT/Year

Is a Violation Case: No

1.Name of Project	M/s. Halides Chemicals Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanket .D. Nigudkar
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Industrial Estate-Industry 5 (f) Category
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, As per the EIA Notification the existing project does not need Environmental Clearance
8.Location of the project	Plot No. A-2, MIDC Kurkumbh, Taluka -Daund, Pune
9.Taluka	Daund
10.Village	Not Applicable
Correspondence Name:	Mr. Sanket .D. Nigudkar
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	Neelashri
Road/Street Name:	Off Paud Road
Locality:	Kothrud
City:	Pune
11.Area of the project	Kurkumbh MIDC Area
12.IOD/IOA/Concession/Plan Approval Number	No Industry has applied for revised layout
	IOD/IOA/Concession/Plan Approval Number: No Industry has applied for revised layout
	Approved Built-up Area: 2852.55
13.Note on the initiated work (If applicable)	It is an already existing industry and is in operation since 1995. No activity has been initiated for the proposed expansion.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4050.00 Sq. m.
16.Deductions	Not applicable
17.Net Plot area	4050.00 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1402.23
	b) Non FSI area (sq. m.): Not Applicable
	c) Total BUA area (sq. m.): 1402.23
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1402.23
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34%
21.Estimated cost of the project	90500000

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
2	Not Applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable as it is an industry
24.Number of expected residents / users	This is an industry and Total expected population shall be 50
25.Tenant density per hectare	Not applicable as it is an industry
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius is 9 m
29.Existing structure (s) if any	This is an expansion project in terms of production. All the buildings are already constructed and are in operation . Construction of sheds, storage tanks will be done
30.Details of the demolition with disposal (If applicable)	Not applicable as no demolition activity will be carried out

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	N- Bromosuccinimide	360.00	60.00	420.00
2	N-Chlorosuccinimide	240.00	-120	120
3	N-Iodosuccinimide	36.00	00	36.00
4	Bromo OTBN (2-cyano-4-Bromomethyl biphenyl)	0.00	600.0	600.0
5	2-Bromopropionic Acid	0.00	180.0	180.0
6	Propionyl bromide	0.00	180.0	180.0
7	N- Hexyl bromide	0.00	240.0	240.0
8	tert- Butyl bromoacetate	0.00	240.0	240.0
9	Sodium Bromide Solution	0.00	977.808	977.808
10	Hydrogen Bromide Solution in water	0.00	703.560	703.560
11	Spent Iodine	0.00	21.528	21.528
12	phosphorous Acid	0.00	84.3684	84.3684

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	42.83
	Recycled water - Flushing (CMD):	0.00
	Recycled water - Gardening (CMD):	4.9
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	61.54
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	42.83
	Recycled water - Flushing (CMD):	0.00
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	61.54
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Swimming pool 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	10.50	0	10.5	2.1	Nil	2.1	8.4	0	8.4
Cooling tower & thermopack	0.2	30.39	30.5	0.00	29.89	29.89	0.0	0.603	0.603
Industrial Process	7.0	8.55	15.55	1.5	0.55	2.05	5.5	8.0	13.5
Gardening	0.0	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	50-100m
	Size and no of RWH tank(s) and Quantity:	1 tank of 2.5 m*2.5m*3.20 m
	Location of the RWH tank(s):	Behind parking 2; Near Security cabin
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	100000
	Budgetary allocation (O & M cost) :	12002
	Details of UGT tanks if any :	Two UG tanks are installed : UG water tank of 30,000 Litres capacity is installed for domestic use UG water tanks of 20,000 Litres capacity is installed for fire fighting purpose
35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	543.13
	Size of SWD:	width -340 mm ; depth-260 mm
Sewage and Waste water	**Sewage generation in KLD:**	8.4 KLD
	STP technology:	Currently having Septic tank. Industry has proposed STP with MBBR Technology for proposed expansion
	Capacity of STP (CMD):	1 (Proposed)- 15 CMD
	Location & area of the STP:	Behind L.D.O storage/furnace oil tank
	Budgetary allocation (Capital cost):	85.0 Lakh (Existing +Proposed)
	Budgetary allocation (O & M cost):	6 Lakh (Existing +Proposed)

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris
	Disposal of the construction waste debris:	Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas.
Waste generation in the operation Phase:	**Dry waste:**	Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./Y
	Wet waste:	No wet waste is generated
	Hazardous waste:	Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution - 78 Ton/Y
	Biomedical waste (If applicable):	No Bio-medical waste is generated
	STP Sludge (Dry sludge):	0.15 Ton/Y
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Paper bags and fibre drums will be sold to Authorized recycler ; HDPE drums will be used to refill byproduct; STP sludge will be used as manure
	Wet waste:	Not Applicable
	Hazardous waste:	Used spent oil will be disposed off to Authorized Re-processor; Spent Catalyst, Chemical sludge from waste water and salt solution will be disposed to CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Near STP plant; Behind Boiler room
	Area for the storage of waste & other material:	Separate Hazardous Waste storage area, Segregated metallic scrap yard, Segregated paper and plastic scrap yard is made for storage of waste
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Nil
	O & M cost:	Nil

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	7.22	6.49	5.5-9.0
2	TSS	mg/Lit	<10.0	<10.0	<=100.0
3	BOD	mg/Lit	4400	<10.0	<=100.011
4	COD	mg/Lit	32765.96	34.48	<=250.0
5	Sulphates	mg/Lit	26891.66	<1.0	<1000
6	Chlorides	mg/Lit	8590.91	6.0	<=600

Amount of effluent generation (CMD):	14.103 CMD
Capacity of the ETP:	16.0 CMD
Amount of treated effluent recycled :	13.81 CMD
Amount of water send to the CETP:	Waste water generated in industry is recycled and used for various other processes, gardening etc.
Membership of CETP (if require):	Yes; Industry has obtained CETP membership
Note on ETP technology to be used	Industry has provided RO + MEE of capacity 16.0 CMD
Disposal of the ETP sludge	ETP sludge generated will be disposed to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent Oil	5.1	Lit/Y	100	700	800	Autho. Re-processor
2	Spent catalyst/Spent carbon	28.2	Kg/Y	100	4400	4500	CHWTSDF
3	Chemical Sludge from wastewater treatment	34.3	Ton./Y	360	50	410	CHWTSDF
4	Salt Solution	34.3	Ton/y	Nil	78	78	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler 750kg/Hr	Furnace Oil; 1000 Lit/Day	1	10	0.254	137
2	Boiler+Thermopack 600 kg/Hr	LDO; 1450 Lit/Day	2	14	0.254	110
3	Bromination/Chlorination	Not applicable	3	6	0.1016	54
4	Imide Formation	Not Applicable	4	4.5	NA	NA
5	Drying Section	Not Applicable	5	4.5	NA	NA
6	D. G Set 160 KVA	Diesel	6	2.5	0.1016	112
7	D.G Set 62.5 KVA	Diesel	7	2.5	0.1016	112

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	37 Lit/Hr	Nil	37 Lit/Hr
2	L.D.O	1000 Lit/Day	Nil	1000 Lit/Day
3	Furnace Oil	1450 Lit/Day	Nil	1450 Lit/Day
41.Source of Fuel		Industry /Market		
42.Mode of Transportation of fuel to site		Fuel is brought to site by tankers		

43.Green Belt Development	**Total RG area :**	457.40 Sq. m
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Existing - 37; Proposed - 7
	List of proposed native trees :	List of proposed trees is given below
	Timeline for completion of plantation :	Industry is already having 37 trees planted in project area and has proposed plantation of 7 trees after obtaining EC

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Neem	Azadiractha Indica	5	Neem has emerged to be an ideal source for insecticide and pesticide
2	Sisam	Dalbergia sissoo	1	Sissam enriches soil due to presence of nitrogen fixing bacteria in roots
3	Leman	C. Limon	1	Lemon are rich source of Vitamin C and due to antibacterial and immune stimulant re used in medicinal use
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 as industry is already under operation
	DG set as Power back-up during construction phase	Industry is already having D.G.Set of 62.5 KVA
	During Operation phase (Connected load):	140 KW
	During Operation phase (Demand load):	150 KW (Existing -120 KW +Proposed 30 KW)
	Transformer:	200 KVA
	DG set as Power back-up during operation phase:	160 KVA (Existing DG Set of 62.5 KVA shall be replaced by 160 KVA)
	Fuel used:	37 Lit/Hr
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Halides Chemicals have taken the effort to use natural resources available such as solar heat and light. They have installed solar water heating system which gives heated water for boiler input so that the fuel load of the boiler reduces thereby reducing the pollution. The industry is also using solar street light to lighten up the internal road.

Reduction in energy consumption:8-10%
REduction in fuel consumption:10-11%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Reduction in energy consumption	8-10%
2	Reduce in fuel consumption	10-11%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set 160 KVA	Acoustic enclosure with adequate height	Not applicable
Boiler 1 [750 kg/hr]	Adequate height	Not applicable
Boiler +Thermopack 600 kg	Adequate height	Not applicable
Chlorine Section	Gas Leak System	Not applicable
Bromine Section	Gas Leak System	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1320000
	O & M cost:	50000

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 as industry is already under operation	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control System	Existing +Proposed cost	15	1
2	Water Pollution Control Systems	Existing +Proposed Cost	85.0	6
3	Noise Pollution Control	Existing +Proposed	9.0	0.50
4	Green Belt Development / Maintenances	Exiting +Proposed	2.0	0.25
5	Environmental Monitoring/Environmental Management	Exiting +Proposed	0.00	2.0
6	Occupational health and safety	Exiting +Proposed	4.0	1.5
7	Solid Waste Management	Exiting +Proposed	1.0	0.5
8	Rain Water Harvesting	Exiting +Proposed	1.0	0.12
9	Energy Saving Measures	Exiting +Proposed	13.20	0.50

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Acetic Acid	Liquid	Proposed Storage	2.0	2.0	4.0	Industry/Market	By Road
Chlorine	Gas	900kg Tonner	0.9	0.9	1.8	Industry/Market	By Road
Chlorine	Gas	900kg Tonner	0.9	0.9	1.8	Industry/Market	By Road
Chlorine	Gas	900kg Tonner	0.9	0.9	1.8	Industry/Market	By Road
OTBN	Liquid	RM Store	9.0	9.0	40.0	Industry/Market	By Road
AIBN	Solid	RM Store	0.1	0.1	1.35	Industry/Market	By Road
Propionic Acid	Liquid	RM Store	5.0	5.0	15.74	Industry/Market	By Road
Red Phosphorous	Solis	RM Store	1.0	1.0	2	Industry/Market	By Road
Phospohrous Tribromide	Liquid	RM Store	1.0	1.0	9.0	Industry/Market	By Road
n-Hexanol	Liquid	RM Store	1.0	1.0	13.02	Industry/Market	By Road
Acetyl Bromide	Liquid	RM Store	1.0	1.0	13.62	Industry/Market	By Road
Tert Butanol	Liquid	RM Store	5.0	5.0	10	Industry/Market	By Road
N-BromoSuccinimide	Solid	FG Store	15.0	15.0	30	Industry/Market	By Road
N-Chlorosuccinimide	Solid	FG Store	5.0	5.0	10	Industry/Market	By Road
N-IodoSuccinimide	Solid	FG Store	0.1	0.1	0.2	Industry/Market	By Road

Bromo OTBN	Solid	FG Store	5.0	5.0	10	Industry/Market	By Road
2 Bromo Propionic Acid	Liquid	FG Store	5.0	5.0	10	Industry/Market	By Road
Propionyl Bromide	Liquid	FG Store	1.0	1.0	2.0	Industry/Market	By Road
N-Hexyl Bromide	Liquid	FG Store	1.0	1.0	2.0	Industry/Market	By Road
Tert Butyl Bromo Acetate	Liquid	FG Store	1.0	1.0	2.0	Industry/Market	By Road
Spent Iodide	Crystalline	FG Store	0.3	0.3	0.6	Industry/Market	By Road
H3PO3	Solid	RM Store	2.0	2.0	4.0	Industry/Market	By Road
Diesel	Liquid	DG Set Tank	0.4	0.4	08	Industry/Market	By Road
Furnace Oil	Liquid	FO Tank	10.0	10.0	20.0	Industry/Market	By Road
LDO	Liquid	LDO Storage	5.0	5.0	10.0	Industry/Market	By Road
Sodium Bromide Soultion	Liquid	Conc. Effluent Tank	10.0	10.0	20.0	Industry/Market	By Road
Methylene Dichloride	Liquid	Near HBr Storage Tnank	10.0	10.0	59.2	Industry/Market	By Road
Caustic Soda Iye	Solid	Storage Tank	17.0	17.0	34.0	Industry/Market	By Road
Ethylene Dichloride	Liquid	Storage Tank	12.5	12.5	25.0	Industry/Market	By Road
Sulphuric Acid	Liquid	Storage Tank	10.0	10.0	20.0	Industry/Market	By Road
Succinic Acid	Solid	Proposed Shed	20	20	43.05	Industry/Market	By Road
Iodine	Crystalline Solid	Proposed Shed	0.5	0.5	3.6	Industry/Market	By Road
Liquid Bromine	Liquid	Proposed Storage Shed	10.80	10.80	96.172	Industry/Market	By Road
Sodium Bromate	Solid	Proposed Storage Shed	4.0	4.0	14.0	Industry/Market	By Road
Succinimide	Solid	Proposed Storage	5.0	5.0	10.0	Industry/Market	By Road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	495.69 Sq. m
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	20
	Number of 4-Wheelers as approved by competent authority:	2
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Approx. 6 metre
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No protected areas near project site
	Category as per schedule of EIA Notification sheet	Category B: 5 (f)
	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	24-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.
Solid Waste Management	PP proposes to dispose hazardous waste through authorized vendor and at CHWTSDF.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site. PP to ensure design of scrubber to achieve bromine gas concentration at the out let of the scrubber below the TLV limit.
Energy Management	The electrical demand for proposed project is 150KW, which will be supplied by MSEDCL. PP also proposes to have 160 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP provided 495.69 Sq.m. area for parking along with 6 meter wide roads and nine meter wide turning radius.
Landscape Plan	PP provided 33% green belt within the plot.
Disaster management system and risk assessment	PP prepared on site emergency plan.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.130.20 Lakh as capital cost and Rs.12.27Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

PP has obtained ToR from SEAC-1 in the 108th meeting held on 13-14th August, 2015.

PP submitted their EIA/EMP reprot on 23.05.2018, the proposal was considered in the 151st meeting of SEAC-1 held on 24.05.2018. As EIA/EMP was submitted just before the meeting the proposal was deferred as it was not studied by the expert members.

The proposal was considered in the 153rd meeting of SEAC-1 held on 24.05.2018, where in the proposal was deferred for following reasons,

During deliberations it was observed that PP has not complied with the ToR points given by the MoEF&CC.

In view of above SEAC decided to defer the proposal till PP submits compliance of points rasied in the ToR.

Hence ,Deferred

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit design details of the scrubber to achieve out let exposure levels of bromine gas below the TLV level.
2) PP proposes zero liquid discharge. therefore PP to ensure that no effluent is discharged to the CETP.
3) PP to include water foot print and carbon foot print monitoring in the EMP.
4) PP to prepare and implement CER plan in consultation with the District Authorities as mentioned in the OM dated 01.05.2018

FINAL RECOMMENDATION

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