146th SEAC -1 Meeting.

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for Proposed Synthetic Organic Chemical (Poly Carboxylate) Manufacturing Unit of M/s Aezis Global Pvt. Ltd. at Plot No: K-4/3, Addl. MIDC Mahad, Kalij Village, Tal: Mahad, Dist: Raigad and State Maharashtra.

1.Name of Project	M/s Aezis Global Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kookin Han
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No : K-4/3, Addl MIDC Mahad
9.Taluka	Mahad
10.Village	Kalij
11.Area of the project	Addl. Mahad MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 5128.461
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.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.):
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	470000000

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)	6 meters
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, since it is a green field project.
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	Poly Carboxylate (A-Type Product)	0	1666.67	1666.67
2	Poly Carboxylate (B-Type Product)	0	583.34	583.34
3	Poly Carboxylate (C-Type Product)	0	166.67	166.67
4	Defoamer (D-Type Product)	0	3.34	3.34

32.Total Water Requirement

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

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	2.25	2.25	0	0	0	0	2.25	2.25
Industrial Process	0	39.52	39.52	0	38.93	38.93	0	0.59	0.59
Cooling tower & thermopack	0	40.77	40.77	0	36.46	36.46	0	4.31	4.31
Gardening	0	19	19	0	19	19	0	0	0
Fresh water requirement	0	101.54	101.54	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	approx 20 m below ground
	Size and no of RWH tank(s) and Quantity:	RWH tank of 350M3 Capacity will be installed
	Location of the RWH tank(s):	South site of the main gate. The harvested water will be used for ground water recharging.
	Quantity of recharge pits:	350
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	6 Lakh
	Budgetary allocation (O & M cost) :	1 Lakh
	Details of UGT tanks if any :	UG tank for MIDC water storage will be provided
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage line will be provided along with the plot boundary.
	Quantity of storm water:	4.32 M3/Hr
	Size of SWD:	Storm Water Storage pit : 2 Nos X 50M3
Sewage and Waste water	**Sewage generation in KLD:**	2.25
	STP technology:	Domestic effluent will be treated in Septic tank, the overflow from septic tank will be treated in aeration tank of 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 waste such as left off concrete, stone, aggregates, wooden piles, excavation material etc.
	Disposal of the construction waste debris:	The solid waste genereated during construction phase will be disposed off through local body.
Waste generation in the operation Phase:	**Dry waste:**	Dry waste like PE drums, paper,plastic, steel will be generated
	Wet waste:	Domestic wet waste will be generated from canteen facility
	Hazardous waste:	The overall operation of company involves generation of hazardous waste like MEE residue, ETP Sludge, PE Bags & Steel drums.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Through MPCB authorized recycler
	Wet waste:	Through local municipal body.
	Hazardous waste:	Hazardous waste will be disposed through CHWTSDF, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	As per plot layout
	Area for the storage of waste & other material:	Dedicated and demarcated area will be provided for storage of HW
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.5 Lakh
	O & M cost:	18.6 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5.8	6.5-7.5 (It will be ZLD project)	6.5-7.5
2	COD	mg/l	5000	<250 (It will be ZLD project)	<250
3	BOD	mg/l	1800	<100 (It will be ZLD project)	<100
4	TDS	mg/l	4500	<2100 (It will be ZLD project)	<2100
5	O&G	mg/l	3.0	<10 (It will be ZLD project)	<10

Amount of effluent generation (CMD):	7.15 CMD including Domestic, Reactor/container/floor washing & Blowdown effluent from Boiler and cooling tower.
Capacity of the ETP:	It will be ZLD project. ETP of 8.5 CMD Capacity, comprises of Primary, Secondary and Tertiary Treatment facility will be provided. The domestic effluent load will be connected to the aeration tank of ETP. For further purification of treated effluent from tertiary treatment facility, two stage RO systems will be provided. • To treat reject from RO system, MEE of 1.5 CMD capacity will be installed.
Amount of treated effluent recycled :	I will be ZLD project. The total amount of treated effluent recycled will be 6.51 CMD (5.23 CMD RO Permeate & 1.28 CMD MEE condensate)
Amount of water send to the CETP:	Not Applicable. Since it will be ZLD project.
Membership of CETP (if require):	Not Applicable. Since it will be ZLD project.
Note on ETP technology to be used	The project will be operated on the basis of Zero Liquid Discharge system. • The effluent from Reactor/Container/ Floor washings will be treated along with Boiler and cooling tower blowdown in ETP comprises of Primary, Secondary and Tertiary treatment facility. • The domestic effluent load will be connected to the aeration tank, where it will be treated along with LCOD effluent from primary treatment facility. • The treated effluent from ETP will be passed through two stage RO system for its f
Disposal of the ETP sludge	Sludge generated from ETP will be disposed through CHWTSDF,Taloja. The total quantum of ETP sludge will be around 3.0 TPA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal

1	PE Bags	33.1	TPA	0	46	46	CHWTSDF
2	PE & Steel Drums	33.1	TPA	0	392	392	MPCB authorized recycler
3	Paper, Plastic, Steel (Non Hazardous)	-	TPA	0	7	7	MPCB authorized recycler
4	Domestic Waste (Non Hazardous)	-	TPA	0	7	7	To Local municipal body
5	ETP Sludge	35.3	TPA	0	3	3	CHWTSDF
6	MEE Residue	37.3	TPA	0	6	6	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	Common Stack for 2 Nos X 3MT/Hr Steam Boiler (One boiler will be on standby mode)	LDO: 1.72 KLD	01	31	0.5	230
2	D.G. set (1250 KVA)	HSD : 261 L/Hr	02	7 m above roof	0.2	80
3	Activated Carbon Filter	--	03	16	0.1	34

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	0	1.72 KLD	1.72 KLD
2	HSD	0	261 L/Hr	261 L/Hr
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development

Total RG area :	6381.9 Sq.m.
No of trees to be cut :	It is a green field project. presently land is devoid of any vegetation.
Number of trees to be planted :	1595
List of proposed native trees :	Azadirachta indica, Neolamarckia cadamba, Ixora coccinea, Oroxylum indicum, Schleichera oleosa, Terminalia paniculata, Helicteres isora, Bougainvillea spectabiis, Clerodendrum inerme, Calotropis gigentia, Plumeria rubra, Canna indica, Moullava spicata, Terminalia arjuna, Bombax ceiba
Timeline for completion of plantation :	1 year after approval of Environmental Clearance

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	200	A native evergreen tree known for plantation in polluted area.
2	Neolamarckia cadamba	Kadamba	50	A native evergreen tree with thick canopy.

3	Ixora coccinea	Rukmini/Bakavali	50	A native shrub blooming throughout the year usually visited by nectar feeding birds & butterflies.
4	Oroxylum indicum	Tetu	50	A native ornamental tree.
5	Schleichera oleosa	Kusum	50	A native tree found in abundance in Sahyadris.
6	Terminalia paniculata	Kindal	45	Kindal is a tropical tree with a large natural distribution in Western Ghats
7	Helicteres isora	Murudsheng	200	A native shrub extensively found in the tracts & plains of sahyadri used as roost plant by variety of birds.
8	Bougainvillea spectabiis	Booganvel	50	An ornamental tree blooming throughout the year
9	Clerodendrum inerme	Vanjai	150	A native evergreen shrub with fragrant flowers
10	Calotropis gigentia	Rui	150	A native evergreen shrub with thick leaves which helps in dust settling
11	Plumeria rubra	Chafa	100	An evergreen brilliantly flowering shrub
12	Canna indica	Kardal	100	A perennial shrub used in phyto remediation
13	Moullava spicata	Waghati	100	A native evergreen shrub usually visited by birds and abundantly found in Sahyadris
14	Terminalia arjuna	Arjun	200	A native evergreen tree with large canopy
15	Bombax ceiba	Sawar	100	A native tree with large showy flowers visited by birds.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1000 KW
	During Operation phase (Demand load):	1000 KW
	Transformer:	1000 KW
	DG set as Power back-up during operation phase:	1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process Emission	NA (Its Green Field Project)	Activated carbon filtration system will be provided to cater VOC emissions from process.
Boiler Emission	NA (Its Green Field Project)	Common Stack of 31 meter height will be installed
D.G. set	NA (Its Green Field Project)	Stack of 7 meter height above roof will installed.
ETP	NA (Its Green Field Project)	8.5 CMD ETP with 1.5 CMD stripper MEE with ATFD and Two stage RO filtration system

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water sprinkling, wind Barrier to control dust emissions	2.0
2	Water Environment	Mobile toilets will be arranged for workers	1.0

3	Noise Environment	PPEs for workers, enclosures to all noise generating equipment's	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Construction of new stack, Activated Carbon filtration system	45	3
2	Water Environment	Construction of ETP, Installation of MEE and RO Unit	70	5
3	Noise Environment	PPEs for workers, enclosures to all noise generating equipment's	1	8
4	Solid waste management	Disposal of HW and pavement of HW storage area with HDPE lining	18.6	2.5
5	Environment Monitoring	Environmental Monitoring during operational phase	-	3.50
6	Occupational Health	Glares, Breathing Masks,Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers, Occupational Health (training, OHC center)	10	3
7	Green Belt	Development and maintenance of green belt	8.50	2.13
8	Rain water harvesting	Construction and maintenance of RWH system	6	1

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Polyethylene glycol methyl ether	Liquid	Tank	80 KL	80 KL	575 KL	Import	By Ship & Road
Methacrylic acid	Liquid	Tank	50 KL	50 KL	82.5 KL	Import	By Ship & Road
Acrylic acid	Liquid	Tank	50 KL	50 KL	2.5 KL	Import	By Ship & Road
Caustic soda	Liquid	Tank	20 KL	20 KL	62.5 KL	Local	By Road
Methyl acrylate	Liquid	Tank	2 KL	2 KL	40 KL	Import	By Ship & Road

P-Toluene sulfonic acid	Solid	PE Bag	18 MT	18 MT	15 MT	Import	By Ship & Road
2-Mercaptoethanol	Liquid	Tank	20 KL	20 KL	7.5 KL	Import	By Ship & Road
Toluene	Liquid	Tank	30 KL	30 KL	2.5 KL	Local	By Road
Ammonium persulphate	Solid	PE Bag	4 MT	4 MT	2.5 MT	Import	By Ship & Road
Hydrogen peroxcide	Liquid	PE Drum	2.3 MT	2.3 MT	1.75 MT	Import	By Ship & Road
L-ascorbic acid	Solid	PE Bag	0.5 MT	0.5 MT	0.5 MT	Import	By Ship & Road
Phenothiazine	Solid	PE Bag	0.3 MT	0.3 MT	0.25 MT	Import	By Ship & Road
3-Mercaptopropionic acid	Liquid	Tank	2 KL	2 KL	1 KL	Import	By Ship & Road
4-Methoxyphenol	Solid	PE Bag	0.015 MT	0.015 MT	0.25 MT	Import	By Ship & Road
Polyoxyethylene alkyl allyl ether	Liquid	Tank	20 KL	20 KL	225 KL	Import	By Ship & Road
Polyethylene glycol methyl ether	Liquid	PE Drum	70 MT	70 MT	57.5 MT	Import	By Ship & Road
Phosphorous acid	Liquid	PE Drum	0.6 MT	0.6 MT	0.5 MT	Import	By Ship & Road
polyoxyakylene glycol	Liquid	PE Drum	1.6 MT	1.6 MT	1.25 MT	Import	By Ship & Road
Palm stearine based hydrogenated fatty acid	Liquid	PE Drum	0.4 MT	0.4 MT	0.25 MT	Import	By Ship & Road
Sulfuric acid, diethyl ester	Liquid	Bottle	0.05 MT	0.05 MT	0.25 MT	Import	By Ship & Road
Methyloxirane polymer with oxirane	Liquid	PE Drum	0.2 MT	0.2 MT	0.25 MT	Import	By Ship & Road
Polyoxypropylene glycol butyl ether	Liquid	PE Drum	1 MT	1 MT	0.75 MT	Import	By Ship & Road
Propylene glycol	Liquid	PE Drum	0.2 MT	0.2 MT	0.25 MT	Import	By Ship & Road
Isopropyl Alcohol	Liquid	PE Drum	0.8 MT	0.8 MT	0.5 MT	Import	By Ship & Road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	2313.24
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	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	5 (f) - 'B1'
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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 provisiosn as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

Draft Terms of Reference (TOR) have been discussed and finalized during 140th 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.

During deliberations PP informed that the project is Zero Liquid Discharge.

PP submitted EIA /EMP report in 144th meeting wherein the proposal was deferred till PP submits the compliance of following points,

1.PP to provide separate entry/exit gates and internal access roads having six meter width and nine meter turning radius; PP to submit revised layout plan.

2. PP to use solar energy for office buildings and street lights.

3. PP to explore possibility to reduce impact on environment identified in the life cycle analysis by procuring domestic raw material etc.

Now PP submitted the compliance of above points in the 146th meeting.

DECISION OF SEAC

After detailed deliberations with the PP and his accrediated consultant SEAC decided to recommend the proposal to SEIAA for the grant of prior Environment Clearance.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

146th SEAC -1 Meeting.

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for Proposed Intermediate Chemical Manufacturing Industry, M/s. MASCOT FINOCHEM

1.Name of Project	M/S. MASCOT FINOCHEM
2.Type of institution	Private
3.Name of Project Proponent	Mr. Osmanuddin Aminuddin Khaja
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Industry - Synthetic Organic Chemical (5f)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Gut No.98, Village-Chittegaon, Taluka-Paithan, District-Aurangabad-431105
9.Taluka	Paithan
10.Village	Chittegaon
Correspondence Name:	Mr. Osmanuddin Aminuddin Khaja
Room Number:	214
Floor:	Arif Colony
Building Name:	Arif Colony
Road/Street Name:	Arif Colony
Locality:	Arif Colony
City:	Aurangabad
11.Area of the project	Grampanchayat- Chittegaon
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 1261.79
13.Note on the initiated work (If applicable)	None
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NoC from Chittegaon Grampanchayat -Industrial Unit Establishment
15.Total Plot Area (sq. m.)	3921
16.Deductions	0
17.Net Plot area	3921
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1261.79
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 1262
19.Total ground coverage (m2)	1200
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	36000000

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)	ROW-6 meter and Nearest Fire Station - Aurangabad
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. Proposed land is barren land
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	N-Phenyl Piperazine	0	10	12
2	Benzhydrol	0	22	22
3	Sachcharin	0	14	14
4	Methyl Hexanoic Acid	0	5	5
5	2-Amino-4-Chlorophenol	0	22	22
6	Methyl Anthranilate	0	20	20
7	Calcium Propionate	0	10	10
8	Cetyl Lactate	0	10	10
9	Sodium-2-Ethyl Hexonate	0	10	10

32.Total Water Requirement

Dry season:	**Source of water**	Tanker Water
	Fresh water (CMD):	4
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4
	Fire fighting - Underground water tank(CMD):	80,000 Liter One Time Storage
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Tanker Water
	Fresh water (CMD):	4
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	1.5	1.5	0	0.3	0.3	0	1.2	1.2
Cooling tower & thermopack	0	1.2	1.2	0	1.0	1.0	0	0.2	0.2
Industrial Process	0	1.0	1	0	0.2	0.2	0	0.8	0.8
Gardening	0	1.0	1.0	0	1.0	1.0	0	0	0

Fresh water requirement	0	4.7	4.7	0	2.5	2.5	0	2.2	2.2

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8-10 meter
	Size and no of RWH tank(s) and Quantity:	1
	Location of the RWH tank(s):	Near Godown area
	Quantity of recharge pits:	3 nos.
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 35,000/-
	Budgetary allocation (O & M cost) :	Rs. 3,000/ Year
	Details of UGT tanks if any :	80,000 Liters underground tank will be constructed for firefighting.
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained.
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	1.2
	STP technology:	Not applicable . Sewage will led down to the septic tank followed by soak pit
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	During construction of the project there will be marginal solid waste in form of construction waste viz. debris, top soil, rebars, tin sheets, corrugated box, plastic, wooden box, etc.
	Disposal of the construction waste debris:	Top soil will be preserved for green belt. Debris will use for leveling of site.
Waste generation in the operation Phase:	**Dry waste:**	3.5 kg/day
	Wet waste:	2.0 kg/day
	Hazardous waste:	Average - Sludge in the form of Salt - 320 kg/day
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	Segregated as per characteristics of waste and disposed off through authorized vendor
	Wet waste:	Domestic wet waste send to Local Grampanchayat- Chittegaon
	Hazardous waste:	Multi-effect evaporator system will be installed on site to achieve Zero Liquid Discharge. Hazardous waste will send to CHWTSDF for final disposal at MEPL, Ranjangaon
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Gat No.98, Chittegaon village, Plot Area- 3921.00 Sq.M.
	Area for the storage of waste & other material:	Waste Storage Area- 500 Sq.M., Finished Good Storage Area- 108 Sq.M. Raw Material Storage Area- 114.48 Sq.M.
	Area for machinery:	352.04 Sq.M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Capital Cost of the Project- Rs. 3, 60,00,000/-
	O & M cost:	Not applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	3.0-4.0	7.0-8.0	6-8.5
2	TDS	mg/l	2000 - 2100	1600 - 1900	<2100
3	BOD	mg/l	2000 - 3000	80 - 90	< 100
4	COD	mg/l	5000 - 6000	200 - 240	< 250
5	O & G	mg/l	20 - 25	5 - 6	<10

Amount of effluent generation (CMD):	1
Capacity of the ETP:	5 CMD with Multi-Effect Evaporator with RO System will be provided to achieve Zero Liquid Discharge Scheme.
Amount of treated effluent recycled :	--
Amount of water send to the CETP:	--
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Primary treatment + RO + Multi Effect Evaporator
Disposal of the ETP sludge	ETP sludge will send to CHWTSDF , MEPL Ranjangaon

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Catalyst	28.2	MT/Month	0	0.4	0.7	Collect and send to CHWTSDF
2	SEE Residue	37.3	MT/Month	0	0.002	0.002	Collect and send to CHWTSDF
3	Sludge from Primary Tank	35.3	MT/Month	0	0.02	0.02	Collect and send 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	1 TPH steam boiler & 1 lakh kilo calorie/hour thermic fluid heater	Coal OR Briquette - 160 kg/hr OR 180 kg/hr	1	32	0.6	200C
2	DG Set	HSD	1	3 meter above the roof	0.3	350
3	HCl Scrubber	Not Applicable	1	12.0	0.1	40

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal OR Briquette	0	160 kg/hr OR 180 kg/hr	160 kg/hr OR 180 kg/hr
2	HSD	0	12.5 lit/hr	12.5 lit/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		By Tuck		

43.Green Belt Development	**Total RG area :**	1200
	No of trees to be cut :	None
	Number of trees to be planted :	100
	List of proposed native trees :	--
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Bel	3	--
2	Azadirachta indica	Neem	2	--
3	Bauhinia racemosa	Aapta	3	--
4	Cassia fistula	Bahawa	2	--
5	Cordia dichotoma	Bhokar	4	--
6	Ficus racemosa	Umbar	4	--
7	Ixora arborea	--	2	--
8	Ficus religiosa	Pimpal	2	--
9	Mangifera Indica	Aamba	5	--
10	Syzygium cumini	Jambhul	5	--
11	Ziziphus mauritiana	Bor	4	--
12	Butea monosperma	Palas	3	--
13	Citrus sp	Limbu	3	--
14	Santalum album	Chandan	2	--

15	Terminalia elliptica	Ain	4	--
16	Terminalia catappa	Jangli Badam	3	--
17	Tamarandus indica	Chinch	1	--
18	Punica granatum	Dalimb	5	--
19	Tectona grandis	Sag	4	--
20	Neolamarckia cadamba	Kadamb	2	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	12.5 kVA
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	125 kVA
	During Operation phase (Demand load):	125 kVA
	Transformer:	150 KVA
	DG set as Power back-up during operation phase:	62.5 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Solar lights will be provided for road & common area

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar lights for common area	5 nos.

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Emission from Boiler	Not applicable	Cyclone separator with stack

Effluent from process	Not applicable	Primary Treatment+ RO+ Multi Effect Evaporator

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.15000
	O & M cost:	Rs. 2000

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 repression	Water Sprinkling	0.6
2	Construction Waste Management	Dry & Wet Waste	0.5
3	Sewage	Septic Tank & Soak Pit	0.4
4	8 Feet Tin Sheet	Noise barrier	0.3
5	PPE's	Air & Noise	0.3
6	Green Belt Development	Plantation	0.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Cyclone	to control particulate matter emission	10	2
2	Primary Treatment + RO+ MEE	to achieve Zero Liquid Discharge	20	4
3	Green Belt Maintainance	Sapling and maintenance of existing green belt	0.7	0.25

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Benzophenone	Hazardous	Storage Area	12	0	24	Local Market	By HDPE lined drum
Methanol	Hazardous	Storage Area	22	0	44	Local Market	By HDPE lined drum
Sodium hydroxide	Hazardous	Storage Area	12	0	24	Local Market	In bags
2-Ethyl Hexanoic acid	Flammable	Storage Area	4	0	9	Local Market	By HDPE lined drum
4 chloro-2-nitro phenol	Hazardous	Storage Area	14	0	29	Local Market	In bags
HCL	Hazardous	Storage Area	14	0	28.6	Local Market	By HDPE lined drum

O-Toluene Sulfonamide	Flammable	Storage Area	7	0	15.4	Local Market	By HDPE lined drum
Sulfuric Acid	Hazardous	Storage Area	7	0	28	Local Market	By HDPE lined drum
Chromic Acid	Hazardous	Storage Area	2	0	16.8	Local Market	By HDPE lined drum
Sodium Carbonate	Hazardous	Storage Area	1	0	5.6	Local Market	In bags
Anthranilic Acid	Hazardous	Storage Area	5	0	19	Local Market	By HDPE lined drum
Acetic Acid	Flammable	Storage Area	0.38	0	0.38	Local Market	By HDPE lined drum
Sodium Bi Carbonate	--	Storage Area	1.9	0	1.9	Local Market	n bags
Dichloromethane	Hazardous	Storage Area	19	0	38	Local Market	By HDPE lined drum
Calcium Hydroxide	Hazardous	Storage Area	2	0	4	Local Market	In Bags
Propionic acid	Flammable	Storage Area	4	0	8	Local Market	By HDPE lined drum
Aniline	Flammable	Storage Area	4	0	8	Local Market	By HDPE lined drum
Bis ethyl Amino chloride hydrochloride	Hazardous	Storage Area	7	0	15	Local Market	By HDPE lined drum
Toluene	Flammable	Storage Area	20	0	50	Local Market	By HDPE lined drum
Cyanoacetamide	Hazardous	Storage Area	1	0	3.6	Local Market	In Bags
Isovaleraldehyde	Flammable	Storage Area	0.5	0	1.8	Local Market	By HDPE lined drum
Piperidine	Inflammable	Storage Area	0.5	0	1.8	Local Market	By HDPE lined drum
Urea	Hazardous	Storage Area	1.2	0	1.2	Local Market	In Bags
Lactic acid	Hazardous	Storage Area	1.5	0	2.8	Local Market	By HDPE lined drum
Cetyl alcohol	Hazardous	Storage Area	4	0	7.7	Local Market	In Bags

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 No. to Aurangabad to Paithan Road

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	800 Sq.M.
	Area per car:	12 Sq.M.
	Area per car:	12 Sq.M.
	Number of 2-Wheelers as approved by competent authority:	10 nos.
	Number of 4-Wheelers as approved by competent authority:	10 nos.
	Public Transport:	5 nos.
	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	Not Applicable
	Category as per schedule of EIA Notification sheet	Category "B", 5 (f)- Synthetic Organic Chemical
	Court cases pending if any	Not Applicable
	Other Relevant Informations	It is proposed intermediate drug manufacturing industry. A site is located on private barren land at Chittegaon Village, Aurangabad District. A site is well connected to the Aurangabad-Paithan road. Site is well surrounded by other industrial units such as Videocon, R.L. Steels & Energy Ltd, Cement Manufacturing, and other stone crusher unit etc.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-04-2017

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.

The proposal was considered in 143rd meeting of SEAC-1 the observations of the committee were as below,

During deliberations it was observed that the proposal submitted is on non MIDC area. PP was not sure whether the land use in proposed gut number is allowed for chemical industry as per approved Regional Plan of Aurangabad district.

PP has not indicated the quantity and source of water required for production, utility and domestic use.

In view of above SEAC directed PP to submit authentic documents confirming the land use and also submit water requirement calculation to decide on the category of the industry.

SEAC-1 decided to defer the proposal till PP submits above information.

DECISION OF SEAC

PP remained absent for the meeting, However PP uploaded following request on web site dated 06.12.2017

" ***Our proposal (SEIAA-Statement-0000000698) for securing ToR was apprised in 143rd SEAC meeting dated 11th October 2017. After detailed discussion and deliberation in the referenced meeting, committee defer our proposal subject compliance of observations sought by the committee. We are in the process to compliance of observations and it will get submit shortly, until that time we request you keep our proposal in abeyance. Kindly acknowledge our request and do the needful.***"

In view of above request from the PP SEAC-1 decided to keep the proposal in abeyance till PP informs readyness for the presentation.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

146th SEAC -1 Meeting.

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for Proposed Expansion of Sugar plant from 7000TCD to 9000TCD at Viilage Bhende,Newasa, Ahemdnagar, Maharashtra

1.Name of Project	Proposed Expansion of Sugar plant from 7000TCD to 9000TCD at Viilage Bhende,Newasa, Ahemdnagar, Maharashtra
2.Type of institution	TOR
3.Name of Project Proponent	Mr.Anil Pandit Shewale
4.Name of Consultant	Ultra- Tech Environment consultancy and Lab (Lab. MoEF gazetted).
5.Type of project	Industry
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Survey NO 320 & 334
9.Taluka	Newasa
10.Village	Bhende (Bk)
Correspondence Name:	Post Bhende Bk, Taluka Newasa, District Ahmednagar
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	Ahmednagar
11.Area of the project	Grampanchayat Bhende (Bk)
12.IOD/IOA/Concession/Plan Approval Number	Grampanchayat Bhende (Bk)
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1320000
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.)	1320000
16.Deductions	Not Applicable
17.Net Plot area	1320000
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18000
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 18000
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	80000
21.Estimated cost of the project	0

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)	Own Fire Station with well equipped arrangements
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6m
29.Existing structure (s) if any	existing Sugar Unit
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	25200 MT/Month	7200 MT/Month	32400MT/Month
2	Co-gen Power	31.5MW/Hr	0	0

32.Total Water Requirement

Dry season:	**Source of water**	Mula Dam Right Cannal
	Fresh water (CMD):	700
	Recycled water - Flushing (CMD):	3850
	Recycled water - Gardening (CMD):	850
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4550
	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**	Mula Dam Right Cannal
	Fresh water (CMD):	15
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	25
	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**
Industrial Process	665	185	850	0	1083	3789	0	0	0
Fresh water requirement	35	15	50	0	0	0	0	0	0
Gardening	761	89	850	0	0	0	0	0	0
Industrial Process	3850	1100	4950	3789	1211	5000	761	89	850

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 to 5m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	60
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 70KL
	Location & area of the STP:	near colony
	Budgetary allocation (Capital cost):	5 lacs
	Budgetary allocation (O & M cost):	1.0Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Negligible
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	350kg/day
	Wet waste:	150kg/day
	Hazardous waste:	0.30 MT/Month Reused in own boiler as fuel
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	5kg/day Used as manure
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	sent to authorized contractor
	Wet waste:	sent for composting
	Hazardous waste:	Reused in own boiler as fuel
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not any
Area requirement:	**Location(s):**	south of layout
	Area for the storage of waste & other material:	20m2
	Area for machinery:	Not any
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5lacs
	O & M cost:	1 lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not Applicable	3.5-4.5	6-7	5.5-8.5
2	BOD	Mg/lit	719	89	100
3	COD	Mg/lit	1682	238	250
4	TSS	Mg/lit	126	84	100
5	Oil & grease	Mg/lit	6	<2	10

Amount of effluent generation (CMD):	417 m3
Capacity of the ETP:	1800 KL
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	Nil
Note on ETP technology to be used	This is sober water except temperature, comes from cooling-purging and boiler blow-down. A detention tank with suitable holding capacity and shallow depth shall be provided. The water after cooling will be suitable for irrigation purpose. As an alternative, this will be used as diluents to moderate effluent, stream (B) below and further treated. The Moderately polluted wastewater is the floor vessel washing, de-min plant, laboratory and process, which has low pH and has organic matter. After
Disposal of the ETP sludge	To be sent to Composting

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/ spent oil	5.1	MT/Month	11	0	11	Reused in own boiler as fuel

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 40 TPH	Bagasse	1	65	3.0	120

2	Boiler 80 TPH	Bagasse	2	76	3.33	120
3	Boiler 110 TPH	Bagasse	3	85	3.45	120

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	1761MT/Day	0	1761 MT/Day
41.Source of Fuel		Own bagasse available from sugare cane crushed		
42.Mode of Transportation of fuel to site		Conver Belt		

43.Green Belt Development	**Total RG area :**	4,50,000m2
	No of trees to be cut :	No
	Number of trees to be planted :	40000
	List of proposed native trees :	40000 nos.
	Timeline for completion of plantation :	Till the completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifer indica	Mango	500	Fruit bearing evergreen tree
2	Polyalthia longifolia	Ashok	2000	evergreen tree
3	Ficus bengalensis	Wad	50	Fruit bearing evergreen tree
4	Coccos nucifera	Nariyal/coconut	4000	Fruit bearing evergreen tree
5	Eucalyptus	Nilgiri	5000	deciduous MEDICINAL TREE
6	Annona sp	Sitafal	1000	Fruit bearing evergreen tree
7	Terminalia catappa	Badam/Almond	3800	Fruit bearing evergreen tree
8	Delonix regia	Gulmohar	500	Flower bearing deciduous tree
9	Ficus recemosa	Pimpal	50	Fruit bearing evergreen tree
10	Tamarindus indica	Chinch	3000	Fruit bearing evergreen tree
11	Ficus glomerata	Umbar	100	Fruit bearing evergreen tree
12	Accacia	Babhul	6000	Deciduous tree
13	Citrus reticulata	Santra/Orange	100	Fruit bearing tree
14	Papaya	Papaya	2000	Fruit bearing tree
15	Citrus	Lemon,	1000	Fruit bearing tree
16	Syzium	Jamb/Guava	200	Fruit bearing evergreen tree
17	Tectona gradis	Sag	8000	Deciduous tree
18	Phylanthus emblica	Aavla	700	Fruit bearing evergreen tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Own Power Generation / MSEDCL
	During Construction Phase: (Demand Load)	40KVA
	DG set as Power back-up during construction phase	100KVA
	During Operation phase (Connected load):	3700KVA
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	2 no. of 400KVA & 1 no. of 1000KVA DG sets
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

planetary drive for boiling house equipment's and Variable feed drive(VFD)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	planetary drive for boiling house equipment's and Variable feed drive(VFD)	3%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Conventional STP outlet water used for gardening	NA
ETP	ETP	NA
Boiler Stack 1	Wet Scrubber	NA
Boiler Stack 2	ESP	NA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	RSPM, SO2, NOx	1.0
2	Noise	Decibel	05

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	RSPM, SO2, NOx	300	30
2	Green Belt	Landscaping	75	10
3	Online Monitoring	Air and water	60	6
4	ETP	Effluent	200	25
5	STP	waste water	25	1.5
6	Occupational Health	LABOUR Halth check up	5	10
7	Rainwater Harvesting	tank for rain water harvesting	5	5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	well connected to sate highway about 500m from site
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	3ha
	Area per car:	60m2
	Area per car:	60m2
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	well connected to sate highway about 500m from site
	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	Not applicable
	Category as per schedule of EIA Notification sheet	5 (j) –B, 1(d)-
	Court cases pending if any	NA
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-10-2015

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. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 146th meeting of SEAC-1.

DECISION OF SEAC

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

PP to carry out Public Hearing as per EIA Notification ,2006 and submit the reprot along with final EIA/EMP report.

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

Specific Conditions by SEAC:

1) PP to submit certified copy of compliance of earlier EC No. 00000167 dated 23.10.2017 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017
2) PP to include detailed material balance charts showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
3) PP to carry out HAZOP and QRA and submit report
4) PP to submit detailed water balance calculations showing water required for domestic and industrial use, generation of sewage and effluent and also submit design details of ETP.
5) PP submit copy of agreement made with the competent authority for lifting of water from Mula Dam Right Canal.
6) PP to submit detailes of sugar cane cultivation in the factory area giving details of consumption of water, fertilizers, pesticides, insecticides etc. and its impact on surrounding environment. PP to submit their plan to achieve 100% drip irrigation for the sugar cane cultivation in the factory area.
7) PP to submit specific CSR activities prepared in consultation with the District Collector and CEO Z.P. with funds allocation and time limits for implementation.
8) PP to include technical note on the proposed requirement of modernization in the EIA reprot.

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.

146th SEAC -1 Meeting.

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for Environmental Clearance for M/s. N. N. Global Mercantile Pvt. Ltd. at Survey no. 131/1 (Part) & 131/2 (Part), Muthara Village, Taluka - Rajura, District - Chandrapur, Maharashtra

1.Name of Project	PROPOSED EXPANSION AND MODERNIZATION TO 0.96 MTPA WET DE-SHALING PLANT
2.Type of institution	Private
3.Name of Project Proponent	Shri Inish Pal Singh Bhatia and Mr. Ravinder Pal Singh Bhatia
4.Name of Consultant	Green Circle, Inc. and Mantras Green Resources Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Expansion & Modernization Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance was not required, CTE was obtained on dated 10.10.2014 Consent no. : MPCB/14/09396 & CTO was obtained on dated 16.02.2016 Consent no. MPCB/16/02297/ROC/218/2016.
8.Location of the project	Survey no. 131/1 (Part) & 131/2 (Part), Muthara Village, Taluka - Rajura, District - Chandrapur, Maharashtra
9.Taluka	Rajura
10.Village	Rajura
Correspondence Name:	Pasricha Building, Opp. Janta collage , Civil Line, Nagpur Road, Chandrapur - 442401
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	Civil Line, Nagpur Road,
Locality:	Chandrapur
City:	Chandrapur
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 1273.75
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.)	16187.4 sq. m.
16.Deductions	Not applicable
17.Net Plot area	16187.4 sq. m.
18.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.): 1273.75
19.Total ground coverage (m2)	8843.4
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not Applicable
21.Estimated cost of the project	12500000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	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)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7 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	Wet De-shaling Plant Capacity	0.5 MTPA	0.46 MTPA	0.96 MTPA

32.Total Water Requirement

Dry season:	**Source of water**	low height bund over nearby nallah, Storage pond for process water and existing tube wells for domestic use
	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**	low height bund over nearby nallah, Storage pond for process water and existing tube wells for domestic use
	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**
Industrial Process	-	-	200	-	-	200	-	-	0.0
Fresh water requirement	-	-	5.0	-	-	5.0	-	-	0.0
Domestic	-	-	0.5	-	-	0.1	-	-	0.4
Gardening	-	-	2.0	-	-	2.0	-	-	0.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	18.00 to 450.54 m bgl
	Size and no of RWH tank(s) and Quantity:	Harvested water will be collected in bund for storage, which will be utilized in the plant
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 5 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakhs
	Details of UGT tanks if any :	Harvested water will be collected in bund for storage, which will be utilized in the plant
35.Storm water drainage	**Natural water drainage pattern:**	Towards North
	Quantity of storm water:	0.148 m3/sec
	Size of SWD:	1.5 m x 1.5 m
Sewage and Waste water	**Sewage generation in KLD:**	0.4 KLD
	STP technology:	NA as it will be disposed off into Soak Pit.
	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:**	Stones & Shales
	Wet waste:	-
	Hazardous waste:	Used oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Stones will be used for paving of the surrounding area and for making of approach road and Shales will be disposed off by selling it to the owners of brick Kilns
	Wet waste:	-
	Hazardous waste:	will be sold off to authorized re-processor
	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	Phenolic Compound	mg/l	<0.001	<0.001	1.0

Amount of effluent generation (CMD):	0.4 KLD of Domestic effluent will be generated.
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	Used oil	5.1	Litres per annum	-	60	60	sold off to authorized re-processor

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 sets: 125 KVA	Diesel: 26.25 Litres/hr	1	7 m	0.2	100 °C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	-	26.25 Litres/hr for D.G set of 125 KVA	26.25 Litres/hr

41.Source of Fuel	Local Market
42.Mode of Transportation of fuel to site	Road Transport

43.Green Belt Development	**Total RG area :**	5344 sq. m. (Existing: 1584 sq.m. & Proposed: 3760 sq. m.)
	No of trees to be cut :	NA
	Number of trees to be planted :	150
	List of proposed native trees :	Neem, Nilgiri, Babool, Saras, Kachnar, Jamun, Ashok etc.
	Timeline for completion of plantation :	1 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	Acacia arabica	Babool	10	it is a medium sized, thorny, nearly evergreen tree that can reach a height of 20-25 m
2	Acacia catechu	Khaie	10	this tree is deciduous & has short hooked spines that reach up to the height of 9 to 12 m
3	Acocia leucophloea	Hiwar	10	The tree is harvested from the wild for a range of purposes, including edible seeds, useful timber, tannins and gum.
4	Adina Cordifolia	Haldu	10	Haldina cordifolia is a deciduous tree with a large crown; generaly growing from 18 - 30 metres tall. The plant is harvested from the wild for its useful timber.
5	Aegle marmelos	Bel	10	Bael or Aegle marmelos is a spiritual, religious and medicinal plant, native of India and Bangaladesh and spread throughout South East Asia. The fruit balances Kaph and Vata doshas, its roots improve digestion, leaves are good for pain, stem for heart and bel flower's for curing of diarrhea.
6	Albizia lebbeck	Saras	10	it is a very fast-growing deciduous tree with an open, large, spreading crown; it usually reaches a height of 15 - 20 metres, with exceptional specimens growing up to 30 metres.
7	Azadirachta indica	Neem	15	All parts of Neem tree used as anthelmintic, anti-fungal, anti-diabetic, antibacterial, antiviral, contraceptive and sedative. Neem tree is used in many medicinal treatment like skin diseases, healthy hair, improve liver function, detoxify the blood, Pest and disease control, fever reduction, dental treatments, cough, asthma, ulcers, piles, intestinal worms, urinary diseases etc.

8	Bauhinia malabarica	Amli	10	It treats oral disorders, helps to cure toothache, Aids in headache, treats hunch back, Aids in wounds, helps in bleeping piles, cures burning sensation.
9	Bouhinia purpurea	Kachnar	10	Bauhinia purpurea is an erect, evergreen shrub or tree with a very bushy crown; it can grow 7 - 10 metres tall.
10	Bouhinia Racemosa	Apta	10	it is a rare medicinal species of flowering shrub with religious significance.
11	Eucalyptus hybrida	Nilgiri	10	Tall evergreen tree with smooth and greyish bark, bark exfoliates in plates or strips.
12	Eugenia Jambolana	Jamun	10	Fruit, fodder, poles, timber, fuel,medicinal (flowers fruits)
13	Ficus religiosa	Peepal	10	Avenue trees, fuel, fodder
14	Saraca asoka	Ashok	15	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Existing facility will be utilized
	DG set as Power back-up during construction phase	Existing facility will be utilized
	During Operation phase (Connected load):	Electricity is already available at site; Enhanced requirement shall be obtained from MSEDCL and total Power requirement is 0.6 MW.
	During Operation phase (Demand load):	Electricity is already available at site; Enhanced requirement shall be obtained from MSEDCL and total Power requirement is 0.6 MW.
	Transformer:	-
	DG set as Power back-up during operation phase:	D. G sets: 125 KVA (For Emergency use only)
	Fuel used:	Diesel will be used in D.G set. (Quantity: 26.25 Litres/hr)
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Emission	-	• Water shall be sprayed on the coal during the unloading of trucks to prevent fugitive dust emission. • All screens shall be provided with top hood to arrest any fine dust generated during the screening operation. • All transfer points of the belt conveyors shall be provided with water mist sprays to prevent formation of dust. • Prior to the crusher, atomized water spray nozzles shall be installed so as not to allow any generation of dust during the crushing. • Enclose chutes shall be used
Water	-	The wet de-shaling process will be operated in closed water circuit hence there is no process effluent generation from the proposed project. It is proposed to use Powdered Coal (-200 Micron) as the washing Media. The media will be recollected from below the de-watering screens and taken to a conical vessel. Since the screens are fitted with showers for washing off the Media, the collected media would be diluted, so to maintain the required gravity in the system, fresh Media will be added from an
Solid/ Hazardous waste	-	• The solid wastes generated during the course of operation are mostly shale and small quantity of stones associated with the mining operation. • The stones having no calorific value will be used for paving of the surrounding area and for making of approach road. • The shale which has low calorific value is a good fuel for brick kilns and will be disposed-off by selling it to the owners of brick Kilns.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust suppression	Water sprinkling, dust mask	0.5
2	Green Belt development	Tree plantation	2.0
3	Solid waste management facility	Solid waste collection and disposal facility	0.5

4	Environment Monitoring	Monitoring charges of Air, water, noise	0.5
5	Occupational Health	Health check-up, PPEs	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Rain Water Harvesting	1.0	0.25
2	Air Pollution Control	Pollution control measures	5.0	0.5
3	Water Pollution Control	Pollution control measures	10.0	1.0
4	Noise Pollution Control	Pollution control measures	0.5	0.5
5	Environment Monitoring and Management	Environment Monitoring and Management	-	0.5
6	Health & safety	Occupational Health & Safety	1.5	0.5
7	Green Belt	Green belt development	2.0	0.5
8	Solid /Hazardous waste	Solid waste management	0.5	0.25
9	CSR Activity	-	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
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:	One No.

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	806 sq. m.
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	1 Km away from the plant boundary
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category "B"
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-02-2016

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 2(a)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 131st meeting of SEAC-1 where in ToR was granted with few additional points. A site visit was conducted on 09.06.2016 by the committee.

Now PP submitted the EIA/EMP reprot for appraisal.

DECISION OF SEAC

During deliberations with the PP and his accrediated consultant it was observed that PP neither complied with the ToR points nor having adequate information regarding the project.

In view of inadequate compliance and information provided by the PP, SEAC decided to defer the proposal till PP submits adequate information.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

146th SEAC -1 Meeting.

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for New 21 MW Co-generation project

1.Name of Project	New 21 MW Co-generation project
2.Type of institution	Private
3.Name of Project Proponent	Prasad Sugar & Allied Agro Products Ltd.
4.Name of Consultant	Vasantdada Sugar Institute
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	New 21 MW Co-generation project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	N.A.
8.Location of the project	Survey number 912-915, Vambori
9.Taluka	Rahuri
10.Village	Vambori
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	NOC from village Panchayat dated 03/03/2011
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 18211
13.Note on the initiated work (If applicable)	No work has been initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from villlage Panchayat dated 03/03/2011
15.Total Plot Area (sq. m.)	1,29,499 sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): 18211
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	101140000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Electricity	N.A.	21 MW	-

32.Total Water Requirement

Dry season:	**Source of water**	Mula Right bank Canal water
	Fresh water (CMD):	138 CMD (During season) & 209 CMD (During off-season)
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	20 CMD ETP treated water
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	347 CMD
	Fire fighting - Underground water tank(CMD):	200 CM
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	437 CMD

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	N.A.	5.0	5.0	N.A.	3.0	3.0	N.A.	3.0	3.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 and 40 m
	Size and no of RWH tank(s) and Quantity:	17,655 sq.m.-01 No., Quantity- 6000 cu.m.
	Location of the RWH tank(s):	Roof top area of Sugar unit
	Quantity of recharge pits:	01
	Size of recharge pits :	50x60x2m
	Budgetary allocation (Capital cost) :	Rs. 4682.89 Lakhs
	Budgetary allocation (O & M cost) :	Rs.84 Lakhs
	Details of UGT tanks if any :	One under groundwater reservoir of capacity 200 cu.m.

35.Storm water drainage	**Natural water drainage pattern:**	Mixture of dentritic and trellis type of drainage
	Quantity of storm water:	3485 cu.m. per annum
	Size of SWD:	1500 m X 0.450 m X 0.600 m

Sewage and Waste water	**Sewage generation in KLD:**	4
	STP technology:	Septic tank-soak pit
	Capacity of STP (CMD):	Not available
	Location & area of the STP:	N.A.
	Budgetary allocation (Capital cost):	N.A.
	Budgetary allocation (O & M cost):	N.A.

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Soil and grits
	Disposal of the construction waste debris:	Internal roads and minor leveling work
Waste generation in the operation Phase:	**Dry waste:**	Fly ash (8482 MT/Year)
	Wet waste:	ETP sludge (10.35 MT/Year)
	Hazardous waste:	Spent oil (2 MT/ Year)
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Mode of Disposal of waste:	**Dry waste:**	Used for compost making process or sold to brick manufacturer
	Wet waste:	Used for composting
	Hazardous waste:	Burnt in the boiler as fuel
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Area requirement:	**Location(s):**	Within factory premises
	Area for the storage of waste & other material:	Approx. 0.5 acre=2000sq.m.
	Area for machinery:	9637 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7138 Lakhs for machinery
	O & M cost:	80 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	3.5-5.0	6.5-8.0	6.5-8.0
2	BOD	mg/l	600-800	<100	100
3	COD	mg/l	1600-3000	<250	250
4	Oil & Grease	mg/l	100-130	<10	10

5	Total Suspended Solid	mg/l	1500-2000	<200	-
6	Total Dissolved Solid	mg/l	1500-2000	< 2100	2100

Amount of effluent generation (CMD):	310 (during season) and 138 (during off season)
Capacity of the ETP:	500 CMD
Amount of treated effluent recycled :	3160
Amount of water send to the CETP:	N.A.
Membership of CETP (if require):	N.A.
Note on ETP technology to be used	Anaerobic USBR followed by activated sludge process. ETP treated water will be reused for cooling activities and/ or for greenbelt/irrigation • Hot water will be collected and cooled in separate ponds/tanks and recycled after cooling. Hence, Zero Liquid Discharge (ZLD) will be achieved
Disposal of the ETP sludge	ETP Sludge will be used as manure

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	MT/Y	-	2 MT/Y	2 MT/Y	Burnt in boiler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	Bagasse 41 TPH (for season) & 21.1 TPH (For off-season)	01	72	3.5	80

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	N.A.	During Crushing season: 984 During off season: 21.1	984 TPD

41.Source of Fuel	Own Sugar factory
42.Mode of Transportation of fuel to site	Conveyor

43.Green Belt Development	**Total RG area :**	4046.86 sq.m.
	No of trees to be cut :	No tree cutting required
	Number of trees to be planted :	Approx. 2500-3000
	List of proposed native trees :	Babhul, Subabhul, Neem, Gulmohar, Aavala, Karanj, Shisham, Pimpal, Kanher 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	Acacia nilotica	Babhul	130	Dust tolerant, very common in the region
2	Acacia leucophloea	Subabhul	90	Tolerant to air pollution, very common in the region
3	Aegal marmalose	Bel	80	Tolerant to air pollution, very common in the region
4	Azadiracta indica	Neem	100	Fly ash tolerant ,Tolerant of alkaline and Saline soil, common in the area
5	Cordia spp.	Bhokar	50	Dust tolerant
6	Delonix regia	Gulmohar	100	Fly ash tolerant
7	Ficus bengalensis	Wad	90	Fluoride tolerant, common in the region
8	Ficus religiosa	Pimpal	80	Tolerant of CO2, common
9	Tamarindus indica	Chinch	110	Tolerant to acidic soil
10	Nerium odoratum	Kanher	120	Tolerant of SO2, common
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	N.A.	N.A.	N.A.

47.Energy

Power requirement:	**Source of power supply :**	Captive
	During Construction Phase: (Demand Load)	Captive apprx. 0.5 MW
	DG set as Power back-up during construction phase	DG set of 750 KVA capacity
	During Operation phase (Connected load):	Captive power requirement (Sugar+co-generation) =5.70 MW
	During Operation phase (Demand load):	N.A.
	Transformer:	N.A.
	DG set as Power back-up during operation phase:	DG set of 750 KVA capacity
	Fuel used:	Diesel for DG
	Details of high tension line passing through the plot if any:	N.A.

48.Energy saving by non-conventional method:

The project is going to use captive power hence use of non-conventional energy is not considered

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	N.A.	N.A.

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Flue gas/stack gas emission	Multi-cyclone dust collector, Wet scrubber	ESP for proposed boiler
Effluent	500 CMD ETP for Sugar and Co-gen unit	500 CMD or Sugar and Co-gen unit

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 998 Lakhs
	O & M cost:	Rs. 84 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	Sprinkling of water on roads	For controlling dust (SPM)	Approx. 4.00
2	Electricity	Diesel for captive DG	Approx. 4.50

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 & Noise Pollution Control	-	132.00	22.00
2	Water pollution control	-	-	34.00
3	Environment monitoring and management	-	690.00	1.50
4	Occupational Health	-	41.00	5.00
5	Green Belt	-	12.00	1.50
6	Solid waste management	-	12.00	12.00
7	Fire protection	-	37.00	4.00
8	Ash handling and disposal	-	74.00	4.00
9	Total	-	998	84

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
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	N.A.
Parking details:	**Number and area of basement:**	N.A.
	Number and area of podia:	N.A.
	Total Parking area:	6070 sq.m.
	Area per car:	N.A.
	Area per car:	N.A.
	Number of 2-Wheelers as approved by competent authority:	N.A.
	Number of 4-Wheelers as approved by competent authority:	N.A.
	Public Transport:	Available
	Width of all Internal roads (m):	6 m wide
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km radius of the project site
	Category as per schedule of EIA Notification sheet	Category- B, Item no. 1 (d)
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-02-2016

Brief information of the project by SEAC

The ToR for the project was granted in the 125th meeting f SEAC-1 held on 12th March, 2016 under category 1(d)B1 to establish 21 MW cogeneration plant using bagasse as a fuel.

Now PP submitted EIA /EMP report for appraisal.

DECISION OF SEAC

After detailed deliberations with the PP and his accredited consultant, SEAC decided to defer the proposal till the submission of complaince of following points.

Specific Conditions by SEAC:

1) PP to submit detailed point wise compliance of the issues raised during the Public Hearing in consultation with the District Authorities.
2) PP to submit excess baggase management plan.
3) PP to submit water balance calculations indicating water required for existing activities, water required for proposed co generation plant , quantity of generation of waste water its treatment and disposal mechanism.
4) PP to submit details of water source being used for existing water demand and also submit copy of an agreement/permission obtained from competent authority for sustained water supply.
5) PP to submit detailed rain water harvesting calculations.
6) PP to submit proposed CSR activity plan in consultation with District Authorities with funds availability and schedule for its implementation.
7) PP to submit revised EIA/EMP report considering above points for further appraisal.

FINAL RECOMMENDATION

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

146th SEAC -1 Meeting.

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for Environmental Clearance Proposed Expansion of existing Manufacturing unit of M/s. V.V.L.Pharma Pvt.Ltd. at W-230 G, MIDC, Taloja, Tal Panvel, Dist. Raigad (410208) Maharashtra

1.Name of Project	Proposed Expansion of existing Manufacturing unit of M/s. V.V.L.Pharma Pvt.Ltd. at W-230 G, MIDC, Taloja, Tal Panvel, Dist. Raigad (410208) Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s. V.V.L.Pharma Pvt.Ltd.
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	M/s. V.V.L.Pharma Pvt.Ltd. at W-230 G, MIDC, Taloja, Tal Panvel, Dist. Raigad (410208) Maharashtra
9.Taluka	Panvel
10.Village	Taloja MIDC
Correspondence Name:	M/s. V.V.L.Pharma Pvt.Ltd. at W-230 G, MIDC, Taloja, Tal Panvel, Dist. Raigad (410208) Maharashtra
Room Number:	W-230
Floor:	Ground Floor
Building Name:	--
Road/Street Name:	Near Deepak Fertilizer Ltd.
Locality:	NA
City:	Panvel
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Plan Approved from MIDC
	IOD/IOA/Concession/Plan Approval Number: BE/TMJ/SPA/BO5597
	Approved Built-up Area: 1223.50
13.Note on the initiated work (If applicable)	1261.30
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1500.00 sq. mtr
16.Deductions	Not applicable
17.Net Plot area	1500.00 sq.mtr
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1223.5 sq.mtr
	b) Non FSI area (sq. m.): 37.80
	c) Total BUA area (sq. m.): 1261.30
19.Total ground coverage (m2)	630.65
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42.04
21.Estimated cost of the project	3540000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg.1,1 No.	G+1	8.5 mtr.

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Width of Road - 20 mtr. first right from Deepak Fertilizer & then second left
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	--
29.Existing structure (s) if any	One Building
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	Polymethacrylate Beeds	1.0	-	1.0
2	Phosphoric acid	66.0	-	66.0
3	3,3 Bis (4-hydroxy phenyl)-1-(3H)-(iso Benzofuranon)	5.0	-	5.0
4	Para Hydroxy Acetophenone	-	5.0	5.0
5	2-phenyl Benzimidazole-5-sulphonic acid	-	6.0	6.0
6	Theo bromine	-	5.0	5.0
7	2-Cyano-4-Bromo Methyl Biphenyl (Bromo OTBN)	-	5.0	5.0
8	o-benzyl salbutamol	-	5.0	5.0
9	3-hydroxy Acetophenone	-	5.0	5.0
10	Albendazole	-	3.0	3.0
11	Triclabendazole	-	2.0	2.0
12	2,3,4 Trimethoxy Benzaldehyde	-	6.0	6.0
13	[2,6-dimethoxy-4-[(Z)-(4-pyridin-2-ylpiperazin-1-yl)iminomethyl]phenyl] acetate (Toldimphos sodium)	-	1.0	1.0
14	4-methoxy Propiophenone	-	2.5	2.5
15	Metformin hydrochloride	-	40.0	40.0
16	Piperazine Hydrochloride	-	4.0	4.0
17	Etofyline	-	3.0	3.0
18	2-Amino 3, 5 Dibromo Benzaldehyde	-	2.0	2.0
19	Cistosylate	-	5.0	5.0
20	Lumefantrine	-	6.0	6.0
21	4-methoxy Propiophenone	-	2.5	2.5
22	Telmisartan	-	3.0	3.0
23	Oxyfendazole	-	2.0	2.0
24	Alpha Pinene Epoxide	-	40.0	40.0
25	Nitroxynil	-	2.0	2.0
26	Salbutamol Sulphate	-	4.0	4.0
27	6-Chloro-5(2,3-dichlorophenoxy) 1H- benzimidazole-2-thiol	-	2.0	2.0
28	Cis-Imidazole alcohol	-	4.0	4.0

29	Ethyl Hexyl Triazone	-	5.0	5.0
30	Tritylchloride	-	3.0	3.0
31	Parabromo Benzaldehyde	-	5.0	5.0
32	Imidazole	-	4.5	4.5
33	3,4 Dihydroxy 5-Nitro Benzaldehyde	-	2.5	2.5
34	2-bromanylbenzoate	-	3.5	3.5
35	methyl N-(6-phenylsulfanyl-1H-benzimidazol-2-yl)carbamate	-	1.5	1.5
36	4-(3-Aminobutyl) phenol	-	4.0	4.0
37	Cyromazine	-	2.0	2.0
38	Organic & inorganic chemicals	-	5.0	5.0
39	Bromo hexane hydrochloride	-	4.0	4.0
40	Ricobendazole	-	2.0	2.0
41	3,4 Dichlorophenyl-3-4 Dihydro 1,2H Napthalenone	-	8.0	8.0
42	Nitroxynil	-	2.0	2.0

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	60.00
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	60.00
	Fire fighting - Underground water tank(CMD):	60.00
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	Not applicable
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	60.00
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	60.00
	Fire fighting - Underground water tank(CMD):	60.00
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	Not applicable
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
Industrial Process	18	30	48	9	15	24	9	15	24
Cooling tower & thermopack	2	2	4	0.5	0.5	1.0	-	-	-
Domestic	3	1	4	0.5	0.5	1.0	-	-	-
Gardening	2	2	4	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	5000 Lit capacity HDPE tank for storage of RWH
	Location of the RWH tank(s):	Near ETP Side
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	0.10 Lakh
	Budgetary allocation (O & M cost) :	0.01 Lakh
	Details of UGT tanks if any :	2 Tanks - One is for MIDC Water storage tank and another is for Fire Hydrant system.
35.Storm water drainage	**Natural water drainage pattern:**	SWD has been provided along the periphery of site
	Quantity of storm water:	-
	Size of SWD:	600 mm X 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	The Septic Tank followed by Soak pit has been provided
	STP technology:	--
	Capacity of STP (CMD):	--
	Location & area of the STP:	16.00 sq. mtr west side of the company
	Budgetary allocation (Capital cost):	4.5 Lakh
	Budgetary allocation (O & M cost):	0.48 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Yes, generated
	Disposal of the construction waste debris:	We have used debris for land filling purpose
Waste generation in the operation Phase:	**Dry waste:**	3.0 kg per day
	Wet waste:	2.0 kg per day
	Hazardous waste:	0.78 MT/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.78 MT/A ETP Sludge
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	by hand send to Mumbai waste management
	Wet waste:	by hand send to Mumbai waste management
	Hazardous waste:	will be disposed through CHWTSDF, Taloja
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	ETP sludge will be disposal through CHWTSDF, Taloja
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Not Applicable
	Area for the storage of waste & other material:	Scrap yard Near ETP
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0.50 Lakh
	O & M cost:	0.01 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	8.25	6.62	5.5-8.5
2	Suspended Solids	mg/l	120	62	100.00
3	BOD	mg/l	--	--	100.00
4	COD	mg/l	5493	948	250.00
5	Oil & Grease	mg/l	--	--	10.00
6	Chloride (as Cl)	mg/l	--	--	600.00
7	Sulphate (as SO4)	mg/l	--	--	1000.00
8	TDS	mg/l	--	--	2100.00

Amount of effluent generation (CMD):	24.00
Capacity of the ETP:	45.00
Amount of treated effluent recycled :	Not Applicable
Amount of water send to the CETP:	22.00
Membership of CETP (if require):	CETP Membership Obtained

Note on ETP technology to be used	1. Removal of Oil & Grease 2. Neutralization by Acid/alkali 3. Reduction of COD by Aeration & Bio degradation 4. Removal of TSS by settling in separation tank 5. drain treated effluent to CETP pipe line
Disposal of the ETP sludge	ETP sludge will be disposal through CHWTSDF, Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	HW	MT/A	0.18	0.60 MT/A	0.78 MT/A	To Mumbai waste management
2	ETP sludge	HW	MT/A	0.06 x 3	--	0.18 MT	To Mumbai waste management
3	ETP sludge	HW	MT/A	--	0.015 x 39	0.60 MT/A	To Mumbai waste management

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	FO/LDO	1	18.00	0.30	200
2	Scrubber	Caustic Solution	1	10.00	0.25	40
3	D.G Set	Diesel	1	2.24	0.15	185

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	F.O	4.00 KL	10.00 KL	14.00 KL
2	L.D.O	2.00 KL	5.00 KL	7.00 KL
41.Source of Fuel		HPCL		
42.Mode of Transportation of fuel to site		By Road transport through Tanker		

43.Green Belt Development	**Total RG area :**	35.00 sq.mtr
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	12 Nos. of Trees
	List of proposed native trees :	List attached
	Timeline for completion of plantation :	Already done

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	Mango	Mangifera indica	2	fruit Bearing Trees
2	Peepal Tree	Ficus religiosa	2	Everegreen tree
3	Chafa	Michelia champaca	2	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
4	Coconut	Cocos nucifera	2	fruit Bearing Trees
5	jamun	Syzyum cumini	2	fruit Bearing Trees

6	Neem	Azadirrachta indica	2	Evergreen Tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50.25 Kw
	DG set as Power back-up during construction phase	1 DG of 125 KVA installed on site
	During Operation phase (Connected load):	275.54 kw
	During Operation phase (Demand load):	160.25 kw
	Transformer:	250 kw
	DG set as Power back-up during operation phase:	110 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. 4 capacitor in main panel board for control power factor
2. 100 CFL bulb applied in hundey to save electricity
3. VFD (varible frequency device) to control speed as well as electricity.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	4 capacitor in power supply panel board and100 CFL bulb in plant and 5 VFD s applied for centrifuge and reactor motor to control electricity	Capacitor=4 + CFL blub=100 Nos + VFD=5 Nos

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process Reactor	Alkali scrubber	--
Effluent	ETP of 15.00 KLD Capacity	ETP Capacity to be increased by 30.00 KLD & Total Capacity of 45.00 KLD

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	4.85 Lakh
	O & M cost:	0.25 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	Budgetary Allocation	Capital+Operation & Maintenance Cost	27.202 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	ETP	45 KLD capacity	15.0 Lakh	2.0 Lakh
2	RWH	1 PVC Tank of 5000 lt	0.50 Lakh	0.20 Lakh
3	Air Pollution Control System	Scrubber system provided	3.5 Lakh	1.2 Lakh
4	Septic tank & Soak Pits	16.5 sq. m area acquired	4.5 Lakh	0.48 Lakh
5	Noise pollution control	----	-----	-----
6	Green Belt Development/ Maintenances	35.0 sq m area acquired	-------	0.60 Lakh
7	Environmental monitoring / Environmental Management	Equipments	3.5 Lakh	1.2 Lakh
8	Occupational health & safety	Medicines,PPES fire extingushers & fire hydrent system	18.0 Lakh	2.5 Lakh

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

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

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:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	25.00 sq.mtr
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	5 Nos.
	Number of 4-Wheelers as approved by competent authority:	2 Nos.
	Public Transport:	--
	Width of all Internal roads (m):	--
	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	B
	Court cases pending if any	Yes;A case has been filed by MPCB under Section 15 & 16 of Environment (Protection Act.), 1986 in the Court of First Judicial Magistrate at Panvel on 02.03.2017 as regular criminal case number 136 of 2017.
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

The proposal was earlier listed for appraisal in the 143rd meeting held on 11th October, 2017 wherein PP remained absent.

DECISION OF SEAC

Now in this meeting PP submitted letter dated 29.01.2018 requesting leave of absensee.

In view of above SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

146th SEAC -1 Meeting.

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for EXTENSION OF VALIDITY OF ENVIRONMENTAL CLEARANCE

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.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
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	-

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 till PP submits the additional information as per above conditions within 30 days

SEAC Meeting number: 146 **Meeting Date** January 30, 2018

Subject: Environment Clearance for Environmental Clearance for proposed Production Capacity enhancement of Unilex Colours And Chemicals Ltd.

1.Name of Project	Unilex Colours And Chemicals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Narendra K.P.
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. E-10/2
9.Taluka	Palghar
10.Village	Salwad
Correspondence Name:	Mr. Narendra K. P.
Room Number:	106/107
Floor:	1st
Building Name:	Advent Atria
Road/Street Name:	Chincholi Bunder Road
Locality:	Malad (W)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 949.91
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.)	1275.00 sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): 949.91
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	20000000.00

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)	10 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal roads of 5 m width are provided
29.Existing structure (s) if any	Yes
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	Beta Blue	24.80	100.00	124.80
2	Pigment Yellow - 12, 13, 14, 74, 83, 168, 191/Pigment Red - 3, 4, 8 , 112, 48.2, 48.3, 12, 53.1, 57.1, 146,170/Pigment Orange - 05, 13, 34/Lemon Chrome/Middle Chrome/Pigment Green-7/Pigment Blue/Violet-27	00	40.0	40.0

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	1.0	1.5	2.5	0.2	0.3	0.5	0.8	1.2	2.0
Industrial Process	13.0	58.87	71.87	0.3	50.7	51.0	12.7	8.17	20.87
Cooling tower & thermopack	6.0	12.0	18.0	5.0	10.3	15.3	1.0	1.7	2.7
Gardening	0.5	0.5	1.0	0.5	0.5	1.0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	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 :	Fire fighting water tank of 50.0 KL capacity
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drains of adequate capacity will be provided
	Quantity of storm water:	0.98 m3/hr.
	Size of SWD:	The SWD will be designed as per the quantity of storm water to be received during the rainy season
Sewage and Waste water	**Sewage generation in KLD:**	2.0
	STP technology:	Sewage waste water will be treated in aeration tank of the effluent treatment plant
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	No construction activities are involved hence such waste generation is not envisaged
	Disposal of the construction waste debris:	No construction activities are involved hence generation and disposal of such wastes is not envisaged
Waste generation in the operation Phase:	**Dry waste:**	Office waste such as papers and other domestic waste
	Wet waste:	NA
	Hazardous waste:	ETP sludge: 14.0 MT/A, Mechanical Evaporator Residue: 133.7 kg/day, Empty bags: 2.5 kg/M, Empty drums: 25 no./M, Empty Carboys: 35 no./M
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Through local muinicipal waste disposal system
	Wet waste:	NA
	Hazardous waste:	ETP Sludge & Mechanical Evaporator Residue to Mumbai Waste Management Ltd. - CHWTSDF at Taloja and Empty bags, Empty drums, Empty carboys will be sold to authorized recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Dedicated hazardous waste storage area will be provided as per the project plot layout paln
	Area for the storage of waste & other material:	5.0 sq.m.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1,50,000.00
	O & M cost:	30,000.00

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.75	7.05	6-8.5
2	TDS	mg/l	1987.00	1901.00	<2100
3	BOD	mg/l	194.00	39.00	<100
4	COD	mg/l	600.00	136.00	<250
5	O&G	mg/l	4.0	BDL	<10

Amount of effluent generation (CMD):	23.57
Capacity of the ETP:	20.0 CMD
Amount of treated effluent recycled :	13.37 CMD
Amount of water send to the CETP:	10.2 CMD
Membership of CETP (if require):	Company is having membership of TIMA CETP Co-Op. Society Ltd.
Note on ETP technology to be used	Existing: The domestic waste water is subjected to soak pit & the effluent from boiler, cooling tower blow down & process effluent is treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent is further sent to CETP. Proposed: The domestic waste water will be subjected to soak pit & the effluent from boiler & cooling tower blow down will be treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent will be sent to CETP and the
Disposal of the ETP sludge	Mumbai Waste Management Ltd. - CHWTSDF at Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	35.3	kg/annum	2.8	11.2	14.0	Mumbai Waste Management Ltd. - CHWTSDF at Taloja
2	Mechanical Evaporator Residue	37.3	kg/day	--	133.7	133.7	Mumbai Waste Management Ltd. - CHWTSDF at Taloja

3	Empty bags	33.1	kg/month	0.5	2.0	2.5	Sale to authorized recycler
4	Empty drums	33.1	number/month	5.0	20.0	25.0	Sale to authorized recycler
5	Empty carboys	33.1	number/month	7.0	28.0	35.0	Sale to authorized recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	4 lakh kilo calorie/hour Thermic fluid heater	Coal - 1792.00 kg/day	1	20.0	0.5	230.0
2	850 kg/hour steam boiler	Coal - 1716.9 kg/day	2	20.0	0.5	230.0
3	HCl. scrubber	--	3	4.0 (Above roof level)	0.3	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Indonesian coal	1505.7 kg/day	2003.2	3508.9 kg/day
41.Source of Fuel		Local vendor - Gurukrupa Enterpirses, Surat		
42.Mode of Transportation of fuel to site		Road		

43.Green Belt Development	**Total RG area :**	3037 sq.m. (Adjacent to the project plot)
	No of trees to be cut :	NA
	Number of trees to be planted :	62
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleichera oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Trema orientalis, Callicarpa tomentosa, Neolamarckia cadamba, Pterospermum acerifolium
	Timeline for completion of plantation :	1 year after grant of environmental clearance

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	33	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	29	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltonia shcolaris	Saptaparni	23	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index

4	Macaranga peltata	Chandwar	23	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleichera oleosa	Kusum	23	A native deciduous trees of forest tracts of Sahyadri ranges
6	Microcos paniculata	Shirali	23	A native evergreen medium sized tree of forest tracts of Sahyadri ranges
7	Terminalia elliptica	Ain	23	A native evergreen tree of forest tracts of Sahyadri ranges
8	Terminalia paniculata	Kindal	23	A native deciduous tree of forest tracts of Sahyadri ranges
9	Terminalia bellirica	Baheda	23	A native deciduous tree of forest tracts of Sahyadri ranges
10	Cordia dichotoma	Shelu	23	A native deciduous tree of forest tracts of Sahyadri ranges attracting large number of insects
11	Helicteres isora	Murudsheng	23	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
12	Holoptelea integrifolia	Ainsadada	23	A native deciduous tree of forest tracts of Sahyadri ranges
13	Butea monosperma	Palash	23	A native brilliantly flowering tree abundant the Palghar District visited by large number of birds
14	Oroxylum indicum	Tetu	23	A native ornamental tree
15	Erythrina suberosa	Pangara	23	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
16	Azadirachta indica	Kadulimb	23	A native evergreen tree capable of surviving in comparatively polluted environs
17	Dalbergia sissoo	Shisham	23	A native evergreen tree attracting large number of insects
18	Trema orientalis	Ghol	23	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index
19	Callicarpa tomentosa	Aiser	23	A native evergreen medium sized tree of forest tracts of Sahyadri ranges with hairy thick leaves having comparatively higher dust settling index
20	Neolamarckia cadamba	Kadamba	23	A native evergreen tree with tremendous blooms attracting large number of insects
21	Pterospermum acerifolium	Karnikar	23	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	456 KW
	During Operation phase (Demand load):	405 kVA
	Transformer:	500 kVA
	DG set as Power back-up during operation phase:	--
	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
0.6 TPH Steam boiler	Stack of 20.0 m & Multi cyclone separator followed by scrubber	--
2 lakh kilo calorie/hour Thermic fluid heater	Stack of 20.0 m & Multi cyclone separator	--
4 lakh kilo calorie/hour Thermic fluid heater	--	Stack of 20.0 m height & Multi cyclone separator followed by Bag filter
850 kg/hour steam boiler	--	Stack of 20.0 m height & Multi cyclone separator followed by Bag filter
Process emisiions	--	1 no. Hcl. Scrubber with a stack of 4.0 m above roof level

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	Installation of stacks of 20.0 m height & Multi cyclone separator followed by Bag filter for 4 lakh kilo calorie/hour Thermic fluid heater & 850 kg/hour steam boiler and 1 no. HCl. scrubber	20.00	1.0
2	Water	Installation of Mechanical Evaporator of 15.0 KL	15.00	0.50
3	Noise	Development of acoustic enclosures & installation of shock absorbers & vibration absorbing pads	5.0	0.10
4	Occupational health	Purchase of PPE's and health check ups	4.5	0.50
5	Green belt	Development of green belt	7.09	1.44
6	Solid waste	Development of hazardous waste storage area & purchase of solid waste storage bags, containers	1.5	0.30

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
CPC	Solid	Shed	25.0	25.0	125.00	Local	Road
Caustic Soda	Solid	Shed	3.0	3.0	4.0	Local	Road
Gum rosin	Solid	Shed	4.0	4.0	4.5	Local	Road
Xylene	Liquid	Shed	200.00 l	200.00 l	200.00 l	Local	Road
Isobutyl alcohol	Liquid	Shed	400.00 l	400.00 l	400.00 l	Local	Road

Additive -Pthalamide	Solid	Shed	1.0	1.0	1.5	Local	Road
Hydrochloric acid	Liquid	Shed	1000.00 l	1000.00 l	1000.00 l	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	153 sq.m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	5.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	No

	Other Relevant Informations	1. The existing steam boiler of 0.6 TPH & thermic fluid heater of 2 lakh kilo calorie/hour will be sale out after expansion. 2. ETP treatment scheme: Existing: The domestic waste water is subjected to soak pit & the effluent from boiler, cooling tower blow down & process effluent is treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent is further sent to CETP. Proposed: The domestic waste water will be subjected to soak pit & the effluent from boiler & cooling tower blow down will be treated in ETP of 20 CMD capacity comprising of primary treatment scheme & treated effluent will be sent to CETP and the effluent from manufacturing process will be totally recycled through Mechanical Evaporator. The industry will continue to dispose effluent (boiler& cooling tower blow down) to CETP as per the valid CTO. The effluent form manufacturing process will be totally recycled so that there is no additional load subjected to CETP disposal from the proposed expansion project. 3. Green Belt related: The 33% of project plot area is 420.75 sq. m. however green belt will be provided in area of 3037.00 sq. m. adjacent to the project plot.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit lay out plan showing 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.
3) 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.
4) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, energy consumption potential,green house and ozone depletion potential etc.
5) PP to carry out HAZOP and QRA and submit copy of Disaster Management Plan.
6) PP to submit hazardous chemical handling protocol.
7) PP to provide lightening arrestor.
8) PP to submit structural stability certificate of the existing structures on site.
9) PP to submit phase wise CSR plan including aviailabiity of funds , list of proposed activities with time lines for its implementation in consultation with the District Authorities. PP to maintain separate accounts for CSR/EMP funds.
10) PP to submit detailed water balance calculation showing water required for each activity, water required for domestic use , generation of waste water and its treatment and disposal mechanism along with design of Effluent Treatment Plant and commitment for achieving treated effluent parameters.

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.