143rd Meeting of SEAC-1 (Day-2)

SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Ewaste management

1.Name of Project	Mahalaxmi e Recyclers Pvt.Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Manoj Mehta
4.Name of Consultant	NA
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	NA
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No J-5, MIDC, Gokulshirgaon,
9.Taluka	Karveer
10.Village	Gokulshirgaon
Correspondence Name:	Manoj Mehta
Room Number:	171,A, Ganesh Peth, SUgandha Chambers Flat no 13
Floor:	5thi Floor
Building Name:	Sugandha Chambers
Road/Street Name:	Ganesh Peth
Locality:	Govind Halwai Chowk
City:	Pune-411002
11.Area of the project	Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	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)	0
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0
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
2	NA	NA	NA

23.Number of tenants and shops	Na

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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)	NA
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	Ewaste	60	60	60

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

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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	0.5	0.5	0.5	0	0	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 :	Na

35.Storm water drainage	**Natural water drainage pattern:**	Na
	Quantity of storm water:	Na
	Size of SWD:	Na

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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:	Na
	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			

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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	Ewaste	31 (1)	M.T.	2	2	2	Manual dismantling

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	Na	Na	Na	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

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Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NaA
	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	0

50.Details of pollution control Systems

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

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

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

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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	Na
	Court cases pending if any	Na
	Other Relevant Informations	Na
	Have you previously submitted Application online on MOEF Website.	Yes

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	Date of online submission	26-07-2017

Brief information of the project by SEAC

PP remained absent.

DECISION OF SEAC

The proposal is deferred till PP submit request for reconsideration.

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

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Subject: Environment Clearance for Expansion project of manufacturing of Polymers based on Vinyl Acetate Monomer, Acrylate, styrene, Ethylene monomers & Adhesives based on PVA at Plot No. A-22/1 & A-21/2, Mahad MIDC, Raigad

1.Name of Project	Expansion project of manufacturing of Polymers based on Vinyl Acetate Monomer, Acrylate, styrene, Ethylene monomers & Adhesives based on PVA at Plot No. A-22/1 & A-21/2, Mahad MIDC, Raigad
2.Type of institution	Private
3.Name of Project Proponent	Pidilite Industries Limited.
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial Estate
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, SEAC-2012/CR-201/TC-2 dt. 31/12/2015
8.Location of the project	A-22/1 & A-21/2, Mahad MIDC
9.Taluka	Mahad
10.Village	Kamble via Birwadi
Correspondence Name:	Rakesh Kaushal
Room Number:	A-22/1 & A-21/2, Mahad MIDC
Floor:	Ground Floor
Building Name:	Admin bldg.
Road/Street Name:	Kamble village Road
Locality:	Kamble via Birwadi
City:	Mahad, Raigad
11.Area of the project	Other
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 13462.98
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.)	28744 Sq.m
16.Deductions	2171.12
17.Net Plot area	26572.88
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26572.88
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 14487.98
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	166300000

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

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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)	6m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Admin Building, Manufacturing unit, Storage Yards, etc..
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	Polymers based on VAM, Acrylate, Styrene monomers, Ethylene monomer and Adhesive based on PVA	41100 MT/A	24900 MT/A	66000 MT/A

32.Total Water Requirement

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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	10	2	12	2	1	3	8	1	9
Industrial Process	110	66	176	80	48	128	30	18	48
Cooling tower & thermopack	70	42	112	57.5	34.5	92	12.5	7.5	20
Gardening	12	11	23	12	11	23	0	0	0

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Fresh water requirement	202	121	323	151.5	94.5	246	50.5	26.5	77

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 to 8 m
	Size and no of RWH tank(s) and Quantity:	700 KL raw water tank
	Location of the RWH tank(s):	Behind MCC room
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected water will be reused
	Budgetary allocation (Capital cost) :	System already available
	Budgetary allocation (O & M cost) :	25000 Rs/Annum
	Details of UGT tanks if any :	700 Kl Raw water + Fire Hydrant tank.
35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	9
	STP technology:	STP
	Capacity of STP (CMD):	1 No. 15 CMD
	Location & area of the STP:	Near Tank farm
	Budgetary allocation (Capital cost):	Rs. 20,00,000/-
	Budgetary allocation (O & M cost):	Rs. 50,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Negligible
	Disposal of the construction waste debris:	Within premises in low lying area
Waste generation in the operation Phase:	**Dry waste:**	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	1. Spent oil: Existing 400lit/ annum+ proposed 242 LIT/annum= Total 642 L/Annum, 2. Waste residue containing oil: Existing 3 kg/ annum + Proposed 2.0kg/annum= Total 5kg/Annum, 3. Waste/residue (Adhesive) & residue including filters: Existing 50MT/ month & 6.714 T/annum + Proposed 30.2MT/month & 4 T/annum= Total 80.2 MT/month & 10.7 T/Annum, 4. Discarded containers/barrels liners used for HW/Chemicals: Existing 1855 no./ annum & 4017no. / annum + proposed 1125 no/annum/ & 2433Mos/Annum= total
	Biomedical waste (If applicable):	3 kg/Annum
	STP Sludge (Dry sludge):	Wet sludge is used as manure within premises.

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Mode of Disposal of waste:	**Dry waste:**	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	CHWTSDF/co Processing
	Biomedical waste (If applicable):	Authorized site
	STP Sludge (Dry sludge):	Gardening
	Others if any:	Nil
Area requirement:	**Location(s):**	Near ETP
	Area for the storage of waste & other material:	Existing -150 M2. Additional not required
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Existing
	O & M cost:	50 Lacs/ Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	8.0-9.0	6.5-7.5	5.5-9
2	Total Suspended Solids (TSS)	mg/L	1200-1300	<100	100
3	COD	mg/L	8000-10000	<250	250
4	BOD 3 days @ 27oc	mg/L	3500-4800	<100	100
5	Total Dissolved Solids (TDS)	mg/L	3000-3500	<2100	2100
6	Oil & Grease	mg/L	4-5	<10	10

Amount of effluent generation (CMD):	68.0
Capacity of the ETP:	80 CMD
Amount of treated effluent recycled :	20 CMD
Amount of water send to the CETP:	48.0 CMD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Effluent treatment plant of designed capacity 50.0 CMD consisting primary, secondary and tertiary treatment followed by RO and Evaporator. During proposed expansion it will be upgraded to Capacity of 80.0 CMD for the treatment of 68.0 CMD. Out of total effluent 48.0 CMD effluent will be sent to CETP and 20 CMD will be treated in RO and evaporator. Permeate will be reused for the cooling tower and gardening
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	Lit/ A	400	242	642	Sale to authorized recycler
2	Waste residue containing oil	5.2	MT/A	0.003	0.002	0.005	Sale to authorized recycler

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3	Waste/residue (Adhesive) & residue including filters	23.1	MT/A	600 & 6.7	362.4 & 4.0	962.4 & 10.7	CHWTSDF
4	Discarded containers/barrels & liners used for HW/Chemicals	33.3	Nos./ A	1855 & 4017	1125 & 2433	3000 & 6450	Sale to authorized recycler
5	ETP Sludge and Salts from evaporator	35.3	MT/A	38.6	24.0	62.6	CHWTSDF
6	Spent Carbon from ETP	28.3	MT/A	--	8.0	8.0	CHWTSDF
7	Non Hazardous and Other Wastes	--	--	--	--	--	--
8	Waste paper, Pallet, Sweeping material, Etc	--	MT/M	5.0	--	5.0	Sale
9	E-Waste	--	MT/A	--	0.3	0.3	Sale to authorized dismantlers / Recyclers.
10	Battery waste	--	MT/A	--	0.4	0.4	Returned to battery manufacturer through authorized dealer on buy back procurement

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development

Total RG area :	585.0 Sq.m
No of trees to be cut :	No
Number of trees to be planted :	250
List of proposed native trees :	Pimpal, Bahava , Neem, Banyan etc.
Timeline for completion of plantation :	6 Month After EC

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjun	20	Pollution resistant and Local variety

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2	Bauhinia racemosa	Apta	20	Pollution resistant and Local variety
3	Ficus religiosa	Pipal	10	Pollution resistant and Local variety
4	Ficus benghalensis	Banayan	10	Pollution resistant and Local variety
5	Azardirachta indica	Neem	25	Pollution resistant and Local variety
6	Neolamarckia cadamba	Kadamb	25	Pollution resistant and Local variety
7	Polyalthia longifolia	Ashok	50	Pollution resistant and Local variety
8	Cassia fistula	Bahava	20	Pollution resistant and Local variety
9	Lagerstroemia speciosa	Taman	20	Pollution resistant and Local variety
10	Bougainvillea spectabilis	Bauganvel	15	Pollution resistant and Local variety
11	Hibiscus rosa sinensis	Jaswand	15	Pollution resistant and Local variety
12	Calatropis gigentia	Rui	15	Pollution resistant and Local variety
13	Nerium indicum	Kaner	10	Pollution resistant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Nil
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Existing will be utilized. Existing connected load is 1750 KW
	During Operation phase (Demand load):	Demand load will not be increased. However, additional connected load will be 250 KW
	Transformer:	Power supply from sister concern.
	DG set as Power back-up during operation phase:	Yes. From sister concern.
	Fuel used:	--
	Details of high tension line passing through the plot if any:	Not Applicable

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48.Energy saving by non-conventional method:

Solar 50 KW plant is installed and is in operation.

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	Scrubber to Reactor	Nil
Water	ETP, Membrane Bio Reactor, RO and evaporator	Up gradation of existing
Noise	No noise creating equipment	No noise creating equipment
Solid Waste	Disposing to authorized site	Disposing to authorized site

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Already Installed
	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	Noise	Not Applicable	Not Applicable as existing will take care
2	Water	Not Applicable	Not Applicable as existing will take care
3	Air	Not Applicable	Not Applicable as existing will take care

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	Amb air quality Measurement	5	0.36
2	Water pollution control	ETP operation cost	60	43.2
3	Noise pollution Control	Monitoring	0	0.15
4	Green belt	Maintenance	2	1.5
5	Hazardous waste Storage & disposal	Transportation and disposal	0	37

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
Styrene	Liquid	Tanks	46.7X2	93.4	16	Local	Road
Dibutyl Maleate	Liquid	Tanks	15.7X2	31.4	1.6	Local	Road

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Dibutyl Pthalete	Liquid	Tanks	15.7	15.7	0.8	Local	Road
Diocyl Maleate	Liquid	Tanks	15.7	15.7	0.8	Local	Road
Vinyl Acetate Monomer	Liquid	Tanks	193	193	12	Local	Road
Methyl Methacrylate	Liquid	Tanks	15	15	3.2	Local	Road
Butyl acrylate	Liquid	Tanks	200	200	24	Local	Tanker
2-Ethyl Hexyl acrylate	Liquid	Tanks	15	15	4.8	Local	Tanker
Ethyl acrylate	Liquid	Tanks	87	87	8	Local	Tanker
Polyvinyl Alcohol	Solid	Bags	35	35	4.8	Local	By Truck
Acrylonitrile	Liquid	Tanks	15	15	1.6	Local	Tanker
Acrylic acid	Liquid	Tanks	50	50	3.2	Local	Tanker
Methacrylic acid	Liquid	Tanks	25	25	2	Local	Tanker

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	3200 sqm
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	Not Applicable

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	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-08-2017

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 for expansion of their activities. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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

DECISION OF SEAC

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 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. SEAC-2012/CR-20/TC-2 dated 31.12.2015 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017
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, 33% green belt, rain water harvesting etc
3) PP to submit structural stability certificate of existing buildings.
4) PP has obtained earleir Environment Clearance for plot No. A-22, now PP applied for expansion on plot No. A-22/2 and A-21/2. PP to submit clarification on the EC issue and status of amalgamation of both the plots.
5) PP to submit storm water drain design and impact of proposed activity on existing nallah passing through the plot.
6) PP to submit detailed ETP design along with drawings.
7) 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.
8) PP to carry out HAZOP and QRA and submit report along with copy of disaster management plan.
9) PP to submit hazardous chemical handling protocol
10) PP to submit plan for water conservation/harvesting.

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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.

143rd Meeting of SEAC-1 (Day-2)

SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Expansion of sugar mill from 3,500 TCD to 5,500 TCD and cogeneration unit from 12 MW to 27 MW

1.Name of Project	M/s. Kukadi Sahakari Sakhar Karkhana Ltd
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Kukadi Sahakari Sakhar Karkhana Ltd
4.Name of Consultant	Vasantdada Sugar Institute, Majari (Bk)
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	NOt applicable
8.Location of the project	Gut No. 91 & 92
9.Taluka	Shrigonda
10.Village	Pimpalgaon Pisa
11.Area of the project	Other Area: Grampanchyat
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work has been initiated for said work
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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	717600000

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)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	12075	11625	23700
2	Bagasse	28860	27840	56700
3	Molasses	4200	4050	8250
4	Press Mud	4200	4050	8250
5	Power	12 MW	10.15 MW	22.15 MW (During Season)
6	Power	-	11.66 MW	11.66 MW(During Off Season)

32.Total Water Requirement

Dry season:	**Source of water**	Mohorwadi Reservoir
	Fresh water (CMD):	168
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	168
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	Mohorwadi Reservoir
	Fresh water (CMD):	65
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	65
	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	15	3.5	18.5	1.5	0.15	1.65	13.5	1.35	14.85

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m - 20 m
	Size and no of RWH tank(s) and Quantity:	Size of storage tank : 50 * 60 * 2 m & Capacity: 6000 CM
	Location of the RWH tank(s):	Near Godown No. 102 & 103
	Quantity of recharge pits:	Not any
	Size of recharge pits :	Not any
	Budgetary allocation (Capital cost) :	Rs. 7 .00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakhs
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Study area shows highest order of drainage as 7th order.
	Quantity of storm water:	81033 cum/annum
	Size of SWD:	0.6 m * 0.45 m * 12500 m approx.

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Sewage and Waste water	**Sewage generation in KLD:**	30 KLD
	STP technology:	Domestic sewage will be treated in septic tank and soak pits
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	Rs. 15.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 2.00 lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	In minor quantity
	Disposal of the construction waste debris:	Top soil will be used for gardening purpose and excavated earth , debris will be used within the plot for re-filling and internal road development
Waste generation in the operation Phase:	**Dry waste:**	Ash: 4284 MT (During Season) & 664 MT(During Off Season)
	Wet waste:	ETP Sludge: 80 TPA
	Hazardous waste:	Spent Oil will be very minor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Domestic sludge will be mixed into soil and disposed off
	Others if any:	Not any
Mode of Disposal of waste:	**Dry waste:**	The bagasse ash is usually rich in potash; hence, it will be directly applied into agriculture field or sold to the brick manufacturer as per their demand.
	Wet waste:	ETP sludge will be organic in nature; hence it is used as manure as a soil enriching materials.
	Hazardous waste:	Spent oil can be disposed off safely by giving it to authorized hazardous waste oil dealer. Alternatively, it will be burnt in the boiler along with bagasse.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Domestic sludge will be mixed into soil and disposed off
	Others if any:	Not any
Area requirement:	**Location(s):**	--
	Area for the storage of waste & other material:	Approx. 1.5 acre
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 140.00 Lakhs
	O & M cost:	Rs. 5.00 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4 - 5.5	6.5 - 8.5	5.5 - 9.0

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2	BOD	mg/lit	1500 - 3000	<30	30
3	COD	mg/lit	2500 - 60000	< 250	250
4	Total Dissolved Solids	mg/lit	1800 - 2500	< 2100	2100
5	Total Suspended Solids	mg/lit	600 - 800	< 100	100

Amount of effluent generation (CMD):	700 CMD
Capacity of the ETP:	Existing capacity of ETP 500 CM which will be enhanced to treat the effluent of 700 CMD from proposed capacity
Amount of treated effluent recycled :	Approx. 690 CMD
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Activated Sludge process
Disposal of the ETP sludge	ETP sludge will be organic in nature; hence it is used as manure as a soil enriching materials.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	lit/annum	110	50	160	Spent oil can be disposed off safely by giving it to authorized hazardous waste oil dealer. Alternatively, it will be burnt in the boiler along with bagasse.

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 (Existing 40 TPH X 2)	Bagasse- 12075 MT/M	1	65	3.5 m	90
2	Boiler (Proposed 85 TPH)	Bagasse - 11625 MT/M	2	75	3.5 m	90

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	12075 MT/M	11625 MT/M	23700 MT/M
41.Source of Fuel		Own sugar gactory		
42.Mode of Transportation of fuel to site		Fuel is available within the factory hence transportation is not required		

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43.Green Belt Development	**Total RG area :**	20 Acre: Existing 19 acre & Proposed 1 acre
	No of trees to be cut :	Not any
	Number of trees to be planted :	Existing: 1600 No. of trees and 1000 no of trees will be planted
	List of proposed native trees :	Babhul, Subhabul, Bel, Shirish, Sita Phal, Kadamba, Neem, Knchan etc trees will be planted in the factory premises
	Timeline for completion of plantation :	Approx. 2 to 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	70	Dust tolerant, very common in the region
2	Acacia leucophloea	Subhaul	110	Tolerant to air pollution, very common in the region
3	Aegal marmalose	Bel	95	Tolerant to air pollution, common in the region
4	Albizia saman	Shirish	130	Tolerant of CO2
5	Anona squamosa	Sita Phal	75	Fly ash tolerant
6	Azadiracta indica	Neem	140	Fly ash tolerant ,Tolerant of alkaline and Saline soil, common in the area
7	Bauhinia purpurea	Kanchan	60	Dust tolerant, cultivated near residential areas
8	Bauhinia variegata	Kachnar	40	Soluble sodium 1.0 to 2.0
9	Butea monosperma	Palas	50	--
10	Cassia fistula	Bahava	70	pH 7.5 to 8.4, cultivated near residential areas
11	Cordia spp	Bokar	50	Dust Tolerant
12	Delonix regia	Gulmohor	50	Fly ash tolerant
13	Emblica officinalis	Avala	60	--
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	Hibiscus	1 X 1 m	25
2	Shankasur	1 X 1 m	20
3	Ixora	1 X 1 m	15
4	Tagar	1 X 1 m	15
5	Powder Puff	1 X 1 m	20
6	Alamanda	1 X 1 m	25
7	Hemalia petans	1 X 1 m	30
8	Chitrak (Plumbago)	1 X 1 m	25
9	Gardenia lucida	1 X 1 m	20
10	Cassia biflora	1 X 1 m	15

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47.Energy

Power requirement:	**Source of power supply :**	Captive
	During Construction Phase: (Demand Load)	From captive source
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	7.50 MW
	During Operation phase (Demand load):	--
	Transformer:	NA
	DG set as Power back-up during operation phase:	DG set will be used only in case of total power failure i.e. captive as well as electricity board power supply
	Fuel used:	Diesel
	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
Boiler	Wet Scrubber	Electro Static Precipitator

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control Equipments	Electro Static precipitator	132	-
2	Ash & Bagasse Handling	-	115	-

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3	Cooling Tower	-	180	-
4	Fire Proection	-	25	5.0
5	RCC Stack	-	100	-
6	Greenbelt	-	14	1.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m wide
	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: For Sugar: 5 (j), For Thermal Project: 1 (d)

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	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	10-07-2017

Brief information of the project by SEAC

PP earlier presented proposal to the SEAC-1 in 132nd meeting held on 4th and 5th August,2016 wherein committee decided to approve the TOR for the preparation of EIA/EMP report. PP conducted Public Hearing on 21st April 2017. The proposal is for increase in the crushing capacity from 3500 TCD to 5500 TCD and cogeneration unit from 12 MW to 27 MW.

Now PP submitted EIA rerpot to the committee.

The proposal was considered in 141st meeting of SEAC-1 and was deferred till PP submits complaince of following points,

1. PP to submit commitment for achieving 100% drip irrigation for cane farming in their scope.

2. PP to comply with the standard parameters to reuse treated ETP water for on-land irrigation; PP to submit an undertaking in this regard.

3. PP to submit layout plan of the factory approved by District Collector/Competent Authority.

4. PP to submit structural stability of the existing buildings on site.

5. During deliberation PP informed that 500 KLD treated water will be used by the distillery where as the distillery is not existing on site and is proposed activity for which PP has submitted application for prior EC to the MoEF&CC. Looking at the same PP to submit revised water budget showing consumption and reuse of water considering available resources.

6. PP to submit copy of agreement made with Irrigation Department for lifting water from Morwadi Dam.

7. PP to revise EMP costs and include the cost required for ETP installation and operation and maintenance.

8. PP to add clear cut conclusions of the EIA studies carried out including socioeconomic impacts of the proposed activity.(Qualitative and Quantitative)

9. PP to submit point wise reply of the issues raised in the Public Hearing.

Now PP submitted the complaince report.

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DECISION OF SEAC

After detailed deliberations SEAC-1 observed that PP has not submitted pointwise and relevant complaince of the issues raised in earleir meetings and also the quality of the compliance submitted is poor and hence decided to defer the the proposal till PP submits the compliacne.

Specific Conditions by SEAC:

1) PP to submit methodology to achieve 100% drip irrigation for sugar cane cultivation in their factory jurisdiction. PP to include details of financial arrangements through bank loans, Government subsidy, factory share etc. to achieve the same and submit resolution from the board of directors of the factory in this regard.
2) PP to submit lay out plan duly approved by the competent authority indicating therein internal roads, 33% green belt, location of pollution control equipment, parking areas etc.
3) PP to submit structural stability certificate of the existing building to ascertain that existing buildings can take the load of proposed constructions.
4) PP to include in EIA report the socio economic impact of the proposed activity.

FINAL RECOMMENDATION

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

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SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Pigments Manufacturing Plant (Synthetic Organic Chemical Industry: 5(f))

1.Name of Project	Pigments Manufacturing Plant
2.Type of institution	Private
3.Name of Project Proponent	Sapphire Pigments Private Limited., Mr. Hetal Shah Managing Director A-1/12 phase II, GIDC, Vatva, Ahmedabad – 382 445 hetal1961@gmail.com Phone: 9825009313 Fax: 9140099313
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. FS- 34, Mahad Five star Industrial area, MIDC, Mahad, Raigad, Maharashtra
9.Taluka	Mahad
10.Village	Amshet
11.Area of the project	MIDC Mahad
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 2191.59
13.Note on the initiated work (If applicable)	No work Initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	8000 Sq.m.
16.Deductions	00
17.Net Plot area	8000
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** --
	b) Non FSI area (sq. m.): --
	c) Total BUA area (sq. m.): 2191.59
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	50000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg 1	G+2	20
2	Bldg 2	G+2	20

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

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	More than 100 ft
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	15m
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	CPC Blue	NA	100	100
2	Alpha Blue	NA	40	40
3	Beta Blue	NA	40	40
4	Green 7	NA	25	25
5	Turquoise Blue	NA	10	10
6	Total	Total	215	215
7	Byproducts from CPC Blue - NH4 Solution	NA	3000 Ltr/batch	3000 Ltr/batch
8	Byproducts from CPC Blue- 3-5% spent of H2SO4	NA	4570 Ltr/batch	4570 Ltr/batch
9	Byproducts from Alpha Blue - 15 - 18 % H2SO4	NA	13500 Ltr/batch	13500 Ltr/batch
10	Byproducts from Beta Blue - Fiter and washing water	NA	23000 Ltr/batch	23000 Ltr/batch
11	Byproducts from Green 7- HCL from Scrubber	NA	3700 Ltr/batch	3700 Ltr/batch
12	Byproducts from Green 7- PACL3 Mother Liquor	NA	4470Ltr/batch	4470Ltr/batch
13	Byproducts from Blue 86 - 5 % spent of oleum	NA	4275 Ltr/batch	4275 Ltr/batch

32.Total Water Requirement

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Dry season:	**Source of water**	MIDC, Five star Mahad
	Fresh water (CMD):	93
	Recycled water - Flushing (CMD):	49.5 (used in process)
	Recycled water - Gardening (CMD):	17.5
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	93
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	25
Wet season:	**Source of water**	MIDC, Five star Mahadlicable
	Fresh water (CMD):	93
	Recycled water - Flushing (CMD):	49.5 (used in process)
	Recycled water - Gardening (CMD):	17.5
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	93
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	25
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	2.5	2.5	0	0	0	0	2.5	2.5
Industrial Process	0	90.5	90.5	0	34.5	34.5	0	72	72
Gardening	0	17.5	17.5	0	0	0	0	0	0

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10- 15 m
	Size and no of RWH tank(s) and Quantity:	50 Cum
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 10 Lacs
	Budgetary allocation (O & M cost) :	Rs. 3 lacs/annum
	Details of UGT tanks if any :	3 Cum
35.Storm water drainage	**Natural water drainage pattern:**	Towards south west
	Quantity of storm water:	Quantity of storm water: 100 m3/hr (max.)
	Size of SWD:	500 mm
Sewage and Waste water	**Sewage generation in KLD:**	2
	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:**	19
	Wet waste:	8
	Hazardous waste:	15 MT/day
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Coal ash – 200 kg/day Plastic drum – 2 no./day spent oil 0.2 MT/year

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Mode of Disposal of waste:	**Dry waste:**	Handed over to the authorised recyclers
	Wet waste:	Composting
	Hazardous waste:	Disposal at CHWTSDF / Brick Manufacturing
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Authorised recycler
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:**	Rs. 5 Lacs
	O & M cost:	Rs. 8 Lacs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	pH unit	2.5	7.5	5.5 – 9.0
2	Color	Co-pt unit	1810	89	-
3	SS	Mg/l	600	92	Max. 100
4	TDS	Mg/l	3500	2800	-
5	COD	Mg/l	4000	210	Max.250
6	BOD	Mg/l	1100	46	Max. 100
7	Oil & grease	Mg/l	15.0	7.0	Max. 10
8	Copper	Mg/l	12.7	1.8	-
9	Ammonical Nitrogen	Mg/l	2000	45	<50

Amount of effluent generation (CMD):	74.5
Capacity of the ETP:	125 Cum
Amount of treated effluent recycled :	49.5
Amount of water send to the CETP:	25
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Effluent is collected in the collection tank (RCC Brick line underground tank). The collected effluent is then sent for Neutralisation tank, where pH is maintained of the effluent. Neutralisation is done with Hydrated Lime under constant stirring. The neutral water is then clarified in Primary Clarifier. The sludge is the sent to sludge bed where it is dried and Gypsum is formed. The gypsum is sold as by-product or is disposed off to CHWTSDF. Filtrate from Primary Clarifier is sent for Biologica
Disposal of the ETP sludge	will be sent to CHW-TSDF Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal

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1	ETP lime sludge	35.3 Chemical sludge from waste water treatment	-	NA	15 MT/ day	15 MT/ day	Sent to CHW-TSDF Taloja
2	NH4 Liquor sollution from CPC Blue reaction vessel	26.5	-	NA	3000Ltr/batch	3000Ltr/batch	Sale/ Treatment
3	Spent of H2SO4 from CPC blue purification	26.3	-	NA	4570 Ltr/batch	4570 Ltr/batch	Sale/ Treatment
4	Spent of H2SO4 from Alpha Blue Plant used in CPC Blue for Purification	26.3	-	NA	13,500 Ltr/batch	13,500 Ltr/batch	Used in Purification of CPC Blue
5	HCL generated from Green 7 Plant	26.3	-	NA	3700 Ltr/batch	3700 Ltr/batch	Sale/ Treatment
6	PALCL3 from Green 7 plant for Drowning vessel	26.3	-	NA	4470 Ltr/batch	4470 Ltr/batch	Sale/ Treatment
7	5% Spent of Oleum from Blue 86 Drowning Vessel	26.3	-	NA	4275 Ltr/batch	4275 Ltr/batch	Sale/ Treatment
8	Coal Ash from Boiler	26.2	-	NA	200 Kg/day	200 Kg/day	Brick manufacturer/ CHW-TSDF Taloja
9	MISC Sludge of oil/grease in negligible quantity (Dry garbage)	--	-	NA	19 Kg/day	19 Kg/day	CHW-TSDF Taloja
10	MISC Sludge of oil/grease in negligible quantity (Oil/grease waste	35.4	-	NA	0.56 Kg/day	0.56 Kg/day	CHW-TSDF Taloja
11	Drum, HDPE BAGS, LDPE BAGS SALE TO RECYCLERS AND RESELLERS	33.1	-	NA	2 Nos/day	2 Nos/day	Sale to recycler and reseller

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	Stack attached to Boiler & thermax fluid heaterstack	Coal	1	16	1.2	180

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	NA	Coal	Coal
2	Diesel DG set	NA	Diesel DG set	Diesel DG set
41.Source of Fuel		coal		
42.Mode of Transportation of fuel to site		By road		

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43.Green Belt Development	**Total RG area :**	Total RG area: 2797.96 m2
	No of trees to be cut :	-
	Number of trees to be planted :	1200
	List of proposed native trees :	all
	Timeline for completion of plantation :	2 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachtaindica	Neem	100	Large tree, good for roadside plantation
2	Anthocephaluskadamba	Kadamba	90	Shady, large tree, ball shaped flowers.
3	Alstonia scholars	Saptaparni	120	Shady, large evergreen Tree, white fragrant flowers
4	Cassia fistula	Bahava	85	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Mesuaferra	Nagchampa	70	It known for its fragrant flowers,
6	Micheliachampaca	Champa	50	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
7	Mimusopselengi	Bakul	70	Shady tree, small white fragrant flowers
8	Pongamiapinnata	Karanj	85	Shady tree.
9	Bauhineablackeana	Apta / Kanchan	65	Small tree with small white flowers, Butterfly host plant
10	Saracaasoca	Sita Ashok	90	Shady tree with red-yellow flowers.
11	Delonixregia	Gulmohar	90	flowering plant
12	Tectona grandis	Teak	80	tropical hardwood tree species placed in the flowering plant family Lamiaceae
13	Gardenia jasminoides	Ananta	70	evergreen flowering plant
14	Calistemonlanceolatus	Bottle Brush	55	flowering plant
15	Sesamum indicum	Seasam	80	flowering Plant
45.Total quantity of plants on ground				

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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)	49 KW
	DG set as Power back-up during construction phase	50kVA
	During Operation phase (Connected load):	150 KW
	During Operation phase (Demand load):	112 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	50 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

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
ETP	NA	1
DG set	NA	1

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	Dust supression and monitoring	1.92
2	Water	tanker for construction and monitoring	3.6
3	Land	Site sanitation & toilets	3
4	Biological	Plantation	2

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5	Socio-economic env.	Disinfection- Pest Control ,First Aid Facilities , Health Check Up , protective equipment	2.18	

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Emission control	stack	15	10
2	Water & Wastewater management	ETP	50	6
3	Solid Waste	Authorized recycler	5	8
4	Green Belt Development	Plantation	6	2
5	Monitoring	MOEF	2	1
6	Environmental Cell & PR	-	3	2
7	Other aspects like Rain Water Harvesting, Safety, Security etc	RWH tanketc.	10	3
8	Contingency	-	3	2

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
H2SO4 (98%)	Liquid	Near ETP	25KL	50 KL	320	Local	By road, tanker
HCl (30%)	Liquid	Near ETP	20 KL	40 KL	50	Local	By road, tanker
NITROBENZENE	Liquid	Near ETP	10 KL	10 KL	10	Local	By road, tanker
MONOCHLOROBENZENE	Liquid	Near ETP	10 KL	10 KL	2	Local	By road, tanker
LIQUID AMMONIA	Liquid	Near ETP	10 KL	10 KL	100	Local	By road, tanker
NBA	Liquid	Near ETP	5KL	5KL	2	Local	By road, tanker
WATER	Liquid	Different location	5-100 KL	100 KL	240	MIDC	MIDC pipeline
Chlorine	Gas	Separate storage shed	2 MT	2 MT	28	Local	By road, tanker

52.Any Other Information

No Information Available

53.Traffic Management

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

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Parking details:	**Number and area of basement:**	-
	Number and area of podia:	-
	Total Parking area:	960.57 Sq.m.
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	-
	Public Transport:	-
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 Km
	Category as per schedule of EIA Notification sheet	5 (f) B2
	Court cases pending if any	No
	Other Relevant Informations	1) We have submitted the application Form1 along with all necessary annexure and Pre feasibility report to State level Expert appraisal Committee on 19.10.16 vide Proposal no SIA/MH/IND2/17581/2016 through online and in hard copy too. 2) Since the committee dissolved in month of October 2016, we have applied to EAC dated 4th January 2017 vide File No. F.No.- IA-J-11011/8/2017-IA-II(I) for consideration of our proposal. 3) Our Proposal considered in 18th Expert Appraisal Committee (Industry – II) (Item No. 18.10.3) for Terms of Reference (ToR) 4) We have received ToR vide Minutes of meeting of 18th EAC and ToR letter (letter attached herewith) 5) We have startrd preparing EIA report on the basis of the same and submitting herewith the EIA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-10-2016

Brief information of the project by SEAC

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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 isused 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 and TOR granted by MOEF&CC vide letter dated 29.04.2017as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

Now PP submitted the EIA report for appraisal.

DECISION OF SEAC

SEAC - 1 decided to recommend the proposal for prior Environment Clearance to the SEIAA.

Specific Conditions by SEAC:

1) PP to submit their plan to mitigate the issues pointed out in life cycle analysis report to protect the environment.
2) PP to submit an undertaking for achieving ETP out let parameters as stipulated by MPCB/CPCB.

FINAL RECOMMENDATION

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

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SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Khursipar Iron Ore Mine

1.Name of Project	Khursipar Iron Ore Mine
2.Type of institution	Semi Government
3.Name of Project Proponent	Maharashtra State Mining Corporation Limited
4.Name of Consultant	Hubert Enviro Care Systems Pvt Ltd
5.Type of project	others (mining project)
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Survey Nos. 165 and 132
9.Taluka	Amgaon
10.Village	Khursipar
Correspondence Name:	Khanikarm Bhawan, Plot no. 7, Ajni Square, Wardha Road, Nagpur 440 015
Room Number:	NA
Floor:	NA
Building Name:	Khanikarm Bhawan,
Road/Street Name:	Wardha road
Locality:	Ajni Square
City:	Nagpur
11.Area of the project	Municipal
12.IOD/IOA/Concession/Plan Approval Number	lease deed is executed
	IOD/IOA/Concession/Plan Approval Number: Order no: MMN 2281/114370 (2948) / IND 9
	Approved Built-up Area: 4.37
13.Note on the initiated work (If applicable)	LESSEE INTENDS TO CONTINUE TO MINE IRON ORE . THIS IS THE CASE OF EXISTING MINE. THE PIT IS ALREADY OPEN. WORK IS GOING ON FOR MORE THAN 2 DECADE. MINE IS WORKED BY MANUAL METHOD OF WORKING.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Lease Deed is executed
15.Total Plot Area (sq. m.)	Not applicable (4.37 Ha - Lease area)
16.Deductions	NA
17.Net Plot area	NA
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 300
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	2000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA

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24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	10M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Iron Ore	3050 (35, 600 tonnes/annum)	3050 (35,600 tonnes/annum)	3050 (35,600 tonnes/ annum)

32.Total Water Requirement

Dry season:	**Source of water**	tube well
	Fresh water (CMD):	13
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	13
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

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Wet season:	**Source of water**	pit water/ well water
	Fresh water (CMD):	13
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	13
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
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	1	1	NA	NA	NA	NA	NA	NA
Gardening	3	3	3	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	The mine will not intersect groundwater table as mining activity would be restricted to 24m and water table is found to be 26 meters from surface during monsoon period and recedes to a level of 30 meters form surface in dry months.
	Size and no of RWH tank(s) and Quantity:	Existing pits will be used for rain water harvesting.
	Location of the RWH tank(s):	Pit location shown in surface plan and other plans.
	Quantity of recharge pits:	1.5 Ha meter is expected to be rechrged.
	Size of recharge pits :	Average 1.5 Ha with maximum size of 2.23Ha towards the end of the life of mine
	Budgetary allocation (Capital cost) :	NA (it is part of the mining activity)
	Budgetary allocation (O & M cost) :	NA (it is part of the mining activity)
	Details of UGT tanks if any :	NA

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35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainages are made / being made / will be made as part of the mining activity. its layout and design will depend upon mine plan and design.
	Quantity of storm water:	1.5 Ha meter
	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:**	About 13934.88 tons of waste is likely to be generated from the mines (both pits) during plan period.
	Disposal of the construction waste debris:	There will be temporary dumps which will be utilised for backfilling.
Waste generation in the operation Phase:	**Dry waste:**	About 13934.88 tons of waste is likely to be generated from the mines (both pits) during plan period
	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:**	There will be temporary dumps which will be utilised for backfilling.
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Shown in Mining Plan
	Area for the storage of waste & other material:	0.34 Ha (temporary dumps)
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA (IT IS PART OF THE MINING COST)
	O & M cost:	NA (IT IS PART OF THE MINING COST)
37.Effluent Charecterestics		

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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	DIESEL	40-50L/DAY	40-50L/DAY	40-50L/DAY
41.Source of Fuel		NEAREST DEISEL TANKS		
42.Mode of Transportation of fuel to site		AUTHORISED VEHICLES		

43.Green Belt Development	**Total RG area :**	1.5359 Ha
	No of trees to be cut :	NA
	Number of trees to be planted :	3839
	List of proposed native trees :	The species like Nilgiri (Eucalyptus), Ashok (Saraca asoca), Gulmohar (Delonix regia), Mango (Mangifera indica), Amla (Phyllanthus emblica) and Sal (Tectona grandis Linn) (Sakher i.e Shorea robusta) will be planted.
	Timeline for completion of plantation :	PLAN PERIOD

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	Delomix regia	Gul Mohar	349	ORNAMENTAL TREE
2	Emblica officinalis	Amla	349	medicinal tree
3	H. rosa sinensis	jasut	349	medicinal tree
4	Lxora arbprea	Nevari	349	medicinal tree

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5	Murava koenigii	Meetha Neem	349	Medicinal
6	Saraca indica	Asok	349	Medicinal
7	Syzygium cuminii	Jaman	349	Medicinal
8	Tamarindus indica	Imli	349	culinary and medicinal
9	Eucalyptus	Nilgiri	349	Medicinal
10	Mangifera indica	Mango	349	culinary
11	Tectona grandis Linn	sag	349	timber
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Board
	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:	DEISEL
	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:**	2000000
	O & M cost:	4900000

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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, water. noise	given in the mining plan and feasibility report	NA	960000

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 (traffic in the mines will be as per mining plan design)
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Na
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA

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

Brief information of the project by SEAC

DECISION OF SEAC

PP submitted that the proposal is already recommended by SEAC-1 in their 136th meeting held on 5th , 6th , 7th October,2016.

In view of above SEAC-1 decided to forward the proposal to SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

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SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Environmental Clearance for proposed expansion project of M/s SBL Colortech Pvt. Ltd. located at Plot No.C-4, MIDC Industrial Area, Badlapur(E), Dist. Thane,Maharashtra.

1.Name of Project	SBL Colortech Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rakesh Lakhotia
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	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance was accorded by MoEF, Vide Letter No. J-11011/40/2003-IA-II(I). dated 5th June 2003.
8.Location of the project	Plot No : C-4, Badlapur MIDC
9.Taluka	Ambernath
10.Village	Kulgaon-Badlapur Municipal Council
11.Area of the project	Kulgaon-Badlapur Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 3183.46
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.): 3183.46
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	56400000

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)	

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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
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	Reactive Yellow 4G	2.0	6.0	8.0
2	Reactive Red 5B	3.0	1.0	4.0
3	Reactive Scarlet 3G	5.0	10.0	15.0
4	Reactive Blue 3 G	4.0	8.0	12.0
5	Reactive Black ML	6.0	9.0	15.0
6	Reactive Red 6 G	0.0	12.0	12.0
7	Reactive Red GN	0.0	5.0	5.0
8	Reactive Blue 3 RG	0.0	6.0	6.0
9	Reactive Red B	0.0	3.0	3.0
10	Reactive Black DM	0.0	12.0	12.0
11	Reactive Red 2 G	0.0	3.0	3.0
12	Disperse Blue F2GBL	2.0	0.0	2.0
13	Disperse Yellow 3GY	1.0	0.0	1.0
14	Disperse Red F3L	2.0	0.0	2.0

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	3.15	1.35	4.5	0.63	0.27	0.9	2.52	1.08	3.6
Industrial Process	26.33	96.67	123	0	0	0	28.53	105.5	134.03
Cooling tower & thermopack	20.51	63.83	84.34	19.028	42.692	61.72	1.478	6.542	8.02
Gardening	4.21	2.39	6.6	4.21	2.39	6.6	0	0	0

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Fresh water requirement	54.2	164.25	218.45	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.58 mbgl (Thane District- Post Monsoon)
	Size and no of RWH tank(s) and Quantity:	2 tank of 10 KL capacity
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	5.50 Lakh
	Budgetary allocation (O & M cost) :	1.50 Lakh
	Details of UGT tanks if any :	Fire Hydrant Tank 150 KL Capacity
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage system is provided
	Quantity of storm water:	1.87 M3/Hr
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	3.6
	STP technology:	NA. The sewage effluent 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 wastes such as left off concrete, stone, aggregates, wooden piles, excavated material etc.
	Disposal of the construction waste debris:	The solid waste generated in the construction phase would be disposed off through local Municipal Corporation.
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	The overall operation of company involved generation of Hazardous waste like MEE residue, Distillation Residue, ETP Sludge
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	The overall operation of company involved generation of Hazardous waste like MEE residue, Distillation Residue, ETP Sludge which will be disposed through CHWTSDF. The details of HW are given below
	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:	--
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	3.0 Lakh
	O & M cost:	2.0 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4.9	6.5-8.5	6.5-8.5
2	TDS	mg/l	67737.3	<2100	<2100
3	COD	mg/l	24450.5	<250	<250
4	BOD	mg/l	7689.6	<100	<100
5	TSS	mg/l	5606.3	<100	<100

Amount of effluent generation (CMD):	145.92 CMD
Capacity of the ETP:	110 CMD ETP with 50 CMD MEE & RO System
Amount of treated effluent recycled :	130.17 CMD
Amount of water send to the CETP:	It will be ZLD project
Membership of CETP (if require):	Company has membership of Badlapur CETP
Note on ETP technology to be used	The effluent streams from manufacturing process will be classified as HCOD/TDS and LCOD/TDS streams. The HCOD effluent from process will be subjected to the primary treatment followed by MEE with pusher centrifuge. The condensate from MEE will be directly utilized as cooling tower feed water. while, . The LCOD/TDS effluent from process will be treated along with cooling tower and boiler blowdown effluent in ETP comprises of Primary, Secondary & Tertiary treatment facility. The Domestic effluent
Disposal of the ETP sludge	The sludge from ETP will be disposed through TTCWMA-CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue	20.3	MT/M	0.0	1.21	1.21	CHWTSD Facility TTCWMA, Maharashtra.
2	ETP Sludge	35.3	MT/M	1.0	9.0	10.0	CHWTSD Facility TTCWMA, Maharashtra.

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3	MEE Residue	37.3	MT/D	0.0	2.63	2.63	CHWTSD Facility TTCWMA, Maharashtra.

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 (850 Kg/hr)	FO : 1.31 KL/D	01	30	0.45	113
2	Boiler (850 Kg/Hr X 2 Nos)	FO : 1.8 KL/D	02	30	0.45	113
3	Hot Air Generator	FO: 1.2 KL/D	03	30	0.5	120
4	Spray Dryer	--	04	3 m above roof	--	--
5	DG Set (100 KVA & 200 KVA)	HSD : 68 L/Hr	05	3.5 m above roof	0.15	80
6	DG set (200 KVA)	HSD : 46 L/Hr	06	3.5 m above roof	0.15	80
7	Two Stage Alkali Scrubber	--	07	8	0.2	35

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO	0.75 KL/D	3.56 KL/D	4.31 KL/D
2	HSD	68 L/Hr	46 L/Hr	114 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 :**	1320
	No of trees to be cut :	--
	Number of trees to be planted :	119
	List of proposed native trees :	Ixora coccinea, Oroxylum indicum, Schleichera oleosa, Albizia lebbeeck, Neolamarckia cadamba, Terminalia arjuna, Bougainvillea spectabiis, Canna indica , Plumeria rubra, Azadirachta indica
	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	Ixora coccinea	Rukmini/Bakavali	12	A native shrub blooming throughout the year usually visited by nectar feeding birds & butterflies.
2	Oroxylum indicum	Tetu	12	A native ornamental tree
3	Schleichera oleosa	Kusum	12	A native tree found in abundance in Sahyadris.
4	Albizia lebbeeck	Sirish	12	A native tree with thick canopy.

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5	Neolamarckia cadamba	Kadamba	12	A native evergreen tree with thick canopy.
6	Terminalia arjuna	Arjun	12	A native evergreen tree with large canopy
7	Bougainvillea spectabiis	Booganvel	11	An ornamental tree blooming throughout the year
8	Canna indica	Kardal	12	A perennial shrub used in phyto remediation
9	Plumeria rubra	Chafa	12	An evergreen brilliantly flowering shrub
10	Azadirachta indica	Neem	12	A native evergreen tree known for plantation in polluted area.
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	Existing DG set of 100 & 200 KVA capacity
	During Operation phase (Connected load):	500 KW
	During Operation phase (Demand load):	400 KVA
	Transformer:	500 KW
	DG set as Power back-up during operation phase:	1No D.G. set of 100 KVA and 2 Nos DG set of 200 KVA capacity
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of transparent roof sheets utilises natural lighting during day & saving of electricity.

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

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Process Emission	Two stage Water/ Alkali Scrubber is provided	Existing scrubber is sufficient to take further emission load
Boiler Emission	Stack of 20m & 25 m is provided	All boiler stacks will be replaced by 30 m height
Hot Air Generator	Stack of 20 m	Existing stack will be replaced by 30 m height
D.G.	stack of 3.5 m above roof is provided	New stack of 3.5 m will be provided for new DG set
ETP	50 CMD (Primary, Secondary & Tertiary Treatment)	110 CMD ETP with 50 CMD MEE & RO System

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Replacement of 3 existing stacks up to 30 meters, for boilers (1 for 850 Kg/Hr Capacity X 2 nos & 1 for 850 Kg/Hr Capacity X 1 nos) and Hot Air generator respectively.	55	3
2	Water Pollution Control	Up gradation of ETP to 110 CMD capacity comprising of primary, secondary & tertiary treatment along with installation of MEE & RO of 50 CMD capacity	160	7
3	Noise Pollution Control	Installation of anti-vibration pads, & Enclosures for DG set & Boiler.	0.8	0.2
4	Environment Monitoring and Management	Quarterly Environment Monitoring	0	3
5	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers	4.50	2

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

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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
1 hydroxy 7 amino Naphthalene 3 sulphonic acid (Gamma Acid)	Solid	Bags	3.0	3.0	8.820	Local	Road
2 amino naphthalene 6 sulophonic acid	Solid	Bags	2.50	2.50	4.320	Local	Road
2,3 Dibromo Propionyl Chloride	Liquid	Tank	3.0	3.0	57.560	Local	Road
2-5 Dichloro SPMP	Solid	Bags	1.5	1.5	4.80	Local	Road
Acid Blue 40	Solid	Box	2.5	2.5	9.0	Local	Road
Amino K - Acid	Solid	Bags	1.5	1.5	1.5	Local	Road
Aniline	Liquid	Drum	1.8	1.8	4.06	Local	Road
Benzene Sulphonamide	Solid	Bags	0.6	0.6	1.232	Local	Road
Boric Acid	Solid	Bags	0.172	0.172	0.172	Local	Road
Bromo amine acid	Solid	Bags	2.66	2.66	2.66	Local	Road
Caustic Soda	Solid	Bags	10	10	18.925	Local	Road
Chloro Sulphonic Acid	Liquid	Drum	2.140	2.140	2.140	Local	Road
Copper Powder	Solid	Bags	0.02	0.02	0.02	Local	Road
Cyanuric Chloride	Solid	Drum	0.3	0.3	0.77	Local	Road
Di nitro Cherysazine	Solid	Bags	1.738	1.738	1.738	Local	Road
Ferric Chloride (FeCl3)	Solid	Bags	8.0	8.0	15.60	Local	Road
1hydroxy 7amino Napthalein3,6 disulphonic acid (H-Acid)	Solid	Bags	4.50	4.50	9.975	Local	Road
HCL 30%	Liquid	Tank	10	10	61.130	Local	Road
Maleic Anhydride	Solid	Bags	0.25	0.25	0.54	Local	Road
Meta Phenyl Diamine Sulphonic Acid	Solid	Bags	4.0	4.0	16.140	Local	Road
Metachloride	Solid	Bags	0.9	0.9	1.8	Local	Road
Methanol	Liquid	Drum	2.0	2.0	8.66	Local	Road
N Ethyl Aniline	Liquid	Drum	0.2	0.2	0.415	Local	Road
N methyl gama acid	Solid	Bags	0.8	0.8	1.680	Local	Road
Octonol	Liquid	Drum	0.340	0.340	0.725	Local	Road
Oleum 23%	Liquid	Tank	14	10	94.80	Local	Road
Ortho Nitro Chloro Benzene	Liquid	Drum	0.4	0.4	0.5	Local	Road
Para Phenylene Diamine Sulphonic Acid	Solid	Bags	1.5	1.5	2.567	Local	Road
Para Phenylene Diamine	Soild	Bags	2.0	2.0	3.396	Local	Road
Para Toluene Sulphonamide	Solid	Drum	0.4	0.4	1.320	Local	Road

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Para Toluene Sulphonic Chloride	Solid	Bags	2.0	2.0	6.396	Local	Road
Potassium Hydroxide	Solid	Bags	1.3	1.3	4.320	Local	Road
Reactive Blue 49 Base	Solid	Bags	1.0	1.0	4.002	Local	Road
Sodium Chloride (NaCl)	Solid	Bags	22	22	208.150	Local	Road
Soda Ash (Na2CO3)	Solid	Bags	4.50	4.50	11.135	Local	Road
Sodium Acetate Trihydrate	Solid	Bags	5.0	5.0	22.460	Local	Road
Sodium Bicarbonate	Solid	Bags	12.0	12.0	29.516	Local	Road
Sodium Nitrite	Solid	Bags	2.0	2.0	9.460	Local	Road
Sodium Sulphate	Solid	Bags	5.0	5.0	13.850	Local	Road
Sulphamic Acid	Solid	Bags	0.1	0.1	0.224	Local	Road
Sulphuric acid	Liquid	Tank	12	10	32.40	Local	Road
Vinyl Sulphine Para Ester	Solid	Bags	3.4	3.4	6.720	Local	Road
Sodium Sulphite	Solid	Bags	5.0	5.0	8.796	Local	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:	959 sq m
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--

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	Category as per schedule of EIA Notification sheet	5(f) Cat: 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

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PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. The proposal was considered by earlier SEAC-1 in their 137th meeting held on 14th to 18th October, 2016 where in ToR was granted to the project. Now PP submitted the EIA/EMP reprot for the appraisal.

In 140th meeting of SEAC-1, After detaile deliberation with PP and his accrediated consultant SEAC-1 decided to defer the proposal till PP submits compliacne of following points.

1. PP to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc.

2. PP to submit structural stability certificate of existing buildings.

3. PP to mention specific impacts of proposed activity on the surface water in the study area like river, lakes etc. in their EIA report along with mitigation measures.

4. PP proposes Zero Liquid Discharge and also proposes fresh water water for gardening; PP to submit clarification on the same.

5. PP to submit design details of scrubbing system proposed in the project along with calculations and nature of pollutants.

6. PP to submit compliance report of earlier EC No. J-11011/40/2003-IA II (I) dated 05.06.2003.

7. 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.

8. The online EIA submitted by PP is not having annexures; PP advised to check the same and upload correct documents for further appraisal.

Now in 143rd meting PP submitted compliance report.

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DECISION OF SEAC

SEAC-1 decided to recommend the proposal to SEIAA subject to compalince of following points.

Specific Conditions by SEAC:

1) PP to provide a day storage capacity tank for the storage of ETP treated water to handle the situation of ETP failure.
2) As the project is Zero Liquid Discharge no fresh water use permitted for gardening.
3) PP to provide a stand by scrubber to mitigate scrubber failure scenario.
4) PP to recheck the design of spray dryer to avoid back pressure due to system failure and differential velocities of liquid droplets and gas.

FINAL RECOMMENDATION

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

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143rd Meeting of SEAC-1 (Day-2)

SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Aarti Industries Limited . Plot No. 55, 56, 57, 59 & 60 M.I.D.C. phase II Dombivali, Dist.- Thane

1.Name of Project	Proposed expansion project of manufacturing of API intermediates and Specialty Chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Narendra Salvi
4.Name of Consultant	Goldfinch Engineering Systems Private Limited, Thane
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. D- 55, 56, 57, 59 & 60
9.Taluka	Kalyan
10.Village	Sagarli
11.Area of the project	Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1914
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	3760 m2
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	322800000

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)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	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	Bambuterol Hydrochloride	00	0.42	0.42
2	R-Salbutamol Sulphate	00	0.83	0.83
3	Deferiprone	00	0.42	0.42
4	Ranolazine	0.2	(-)0.2	00
5	Phenylpherine Hydrochloride	0.4	0.85	1.25
6	Budesonode (TTR)	0.03	(-)0.03	00
7	PAN-IV (1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)	0.03	(-)0.03	00
8	FLY -X (N-[(S)-1-Carbethoxy-1-butyl]-(S)-alanine)	0.03	0.29	0.32
9	BA - III (N-[4-cyano-3-(trifluromethyl)phenyl]-2-methyl[(4-flurophenyl)-thio]]-2-hydroxy-2-methylproponamide)	0.03	(-)0.03	00
10	TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate)	0.03	0.47	0.5
11	Peridopril Erbumine	00	0.17	0.17
12	TTR IV ((1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)	00	0.1	0.1
13	FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H- Indole-2-carboxylate 4-Methylbenezenesulfonate)	00	0.43	0.43
14	PR-38 - 4-[2-(1-Azepanyl)Ethoxy] Benzyl Chloride Hydrochloride	--	--	--
15	PR-86 - t-butyl-hydroxycyclohexyl methacrylate	--	--	--
16	PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE)	--	--	--
17	PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE)	--	--	--
18	PR-91 - (S)-2-AMINO-5-METHOXYTETRALINE HYDROCHLORIDE	--	--	--
19	PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride	--	--	--
20	PR-115 (N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate)	--	--	--
21	PR-116 (S)-(TETRAHYDROFURAN-3-YL) HYDRAZINE HYDROCHLORIDE	--	--	--
22	PR-156 - (2-Bromo-4-nitro imidazole)	--	--	--
23	PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane	--	--	--
24	PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE	--	--	--
25	PR-181 - CHLOROMETHYL CHLORO SULFATE	--	--	--
26	Note - Combine production capacity of PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 2.25 TPM	00	2.25	2.25
27	Total	0.748	5.922	6.67

32.Total Water Requirement

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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	5.5	13	18.5	1.1	2.9	4	4.4	10.1	14.5
Industrial Process	21	14	35	8.6	5.8	14.4	12.4	8.2	20.6
Cooling tower & thermopack	4	1.5	5.5	3.2	1.2	4.4	0.8	0.3	1.11
Gardening	2	4	6	2	4	6	0	0	0

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Fresh water requirement	32.5	37.5	65	14.9	13.9	28.8	17.8	18.6	36.2

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	will submit in EIA report
	Size and no of RWH tank(s) and Quantity:	will submit in EIA report
	Location of the RWH tank(s):	will submit in EIA report
	Quantity of recharge pits:	will submit in EIA report
	Size of recharge pits :	will submit in EIA report
	Budgetary allocation (Capital cost) :	will submit in EIA report
	Budgetary allocation (O & M cost) :	will submit in EIA report
	Details of UGT tanks if any :	1. Methanol (25 KL) 2. IPA (25 KL) 3. Toluene (25 KL) 4. Acetone (25 KL) 5. Ethyl Acetate (25 Kl)
35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	20
	STP technology:	Conventional technology will be used
	Capacity of STP (CMD):	1 No. 25 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	Rs 2500000
	Budgetary allocation (O & M cost):	100000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Nil
	Disposal of the construction waste debris:	Nil
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	kindly refer point no. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	250 kg
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be use as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Production Area, Raw Material & Products Storage Area, Office Building, STP & ETP , Parking
	Area for the storage of waste & other material:	Dedicated area is allocated near ETP
	Area for machinery:	1914 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 342300000
	O & M cost:	Rs 3400000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7-8	ZLD	5.5-9.0
2	BOD	mg/lit	2500-3500	ZLD	<100
3	COD	mg/lit	5000-6000	ZLD	<250
4	TDS	mg/lit	2000-300	ZLD	<2100
5	Oil & Grease	mg/lit	<20	ZLD	<10

Amount of effluent generation (CMD):	21.7 CMD
Capacity of the ETP:	35 CMD
Amount of treated effluent recycled :	35 CMD
Amount of water send to the CETP:	ZLD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Primary, Secondary, Tertiary , MEE & ZLD
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Carbon	28.2	MTPA	6.18	00	6.18	CHWTSDF
2	Spent Mother Liquor	28.4	MTPA	12	6	18	Sale to authorized party
3	ETP Sludge	34.3	MTPA	8.6	8.1	16.7	CHWTSDF
4	MEE Salts	37.3	MTPA	90	179	269	CHWTSDF
5	Distillation Residue	20.3	MTPA	0	1.2	1.2	CHWTSDF
6	Process Waste & Residue	28.1	MTPA	0	3	3	CHWTSDF
7	Contaminated Filter Bags	36.1	MTPA	0	1.2	1.2	CHWTSDF

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8	Used/spent oil	5.1	MTPA	0	5.4	5.4	Sale to authorized party

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (one stand by & one operating)	FO = 2.04 T/Day	01 combined stack	30	0.4	125 deg. C
2	Thermo pack (one stand by & one operating)	LDO = 510 lit/day	01 combined stack	22	0.25	150 deg. C
3	DG Sets (no 02)	HSD = 600 lit/month	042separate stack	4.2-5	0.15	135 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	L.D.O	150 lit/day	360 lit/day	510 lit/day
2	FO	00	2040 kg/day	2040 Kg/day
3	HSD	420 lit/month	180 lit/month	600 lit/month
41.Source of Fuel		Oil companies		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	612 sq. m.
	No of trees to be cut :	No tree will be cut
	Number of trees to be planted :	150
	List of proposed native trees :	Tectona grandis, terminalia arjuna, Ficus bengalensis, Ficus religiosa, Azardirachta indica, Sizigium cumini, Cassia fistula, Bougainvillea spectabillis, Lantana camara, etc.
	Timeline for completion of plantation :	Within Five year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjun	25	pollution resistant and Native
2	Tectona grandis	Teak, saag	25	pollution resistant and Native
3	ficus bengalensis	Vaad	7	pollution resistant and Native
4	Ficus religiosa	Pimpal	8	pollution resistant and Native
5	Azardirachta indica	Neem	15	pollution resistant and Native
6	Syzigium cumini	Jamun	15	pollution resistant and Native
7	cassia fistula	Bahava	15	pollution resistant and Native
8	Bougainvillea spectabillis	Bouganvel	15	pollution resistant and Native
9	Lantana camara	Ghaneri	25	pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing : 500 KW ;Proposed : 1060 KW
	During Operation phase (Demand load):	Existing : 350 KW; Proposed : 750 KW
	Transformer:	Existing : 515 KVA ;Proposed : 1130 KVA
	DG set as Power back-up during operation phase:	Existing 02 DG with capacity 250 KVA (2 No.) ; 200 KVA (1 no); 250 KVA Replaced by 380 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension line passing through through the plot

48.Energy saving by non-conventional method:

Nil

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Stack of adequate height	Stack of adequate height
Water	ETP ,RO and MEE	ETP ,RO and MEE
Noise	Acoustic enclosure	Acoustic enclosure
Solid Waste	Disposal to MWML	Disposal to MWML

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	35 lac
	O & M cost:	7 lac

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	2 no. stacks	10	0.5
2	Water Pollution	ETP	340	16
3	Domestic Effluent	STP	20	1
4	Noise	Acoustic enclosures	5	nil
5	Process emmisions	3 no. Scrubbers	16.5	3.3

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
IPA	Liquid	Under Ground	25 KL	25 KL	10	Local	Road
Toluene	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Acetone	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
Ethyl Acetate	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Ammonia	Liquid	Tank farm	5 KL	5 KL	1	Local	Road
MDC	Liquid	Tank Farm	5 KL	5 KL	2	Local	Road
Acetic Anhydride	Liquid	Tank Farm	5 KL	5 KL	1	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

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

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Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	414
	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):	3 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	no protected area in 10 km circle
	Category as per schedule of EIA Notification sheet	5 (f) B (1)
	Court cases pending if any	Nil
	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 provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006

DECISION OF SEAC

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

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, 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 submit copy of structural stability certificate of existing structures.
5) PP to submit design details of ETP and submit an undertaking for achieving Zero Liquid Discharge.
6) PP to submit hazardous chemical handling protocol.
7) PP to submit design details of scrubber and boiler stack.
8) PP to carry out HAZOP and QRA and submit report. PP to submit copy of on site/off site emergency plan.
9) PP to provide adequate lightening arrestors.
10) PP to submit qualitative and quantitative socio economic impact study report.

FINAL RECOMMENDATION

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

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143rd Meeting of SEAC-1 (Day-2)

SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Mining Project

1.Name of Project	HIWARDARA LIMESTONE & DOLOMITE MINE
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prashant V. Deshmukh
4.Name of Consultant	Srushti Seva private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey No 103
9.Taluka	Wani
10.Village	Hiwardara
Correspondence Name:	C/o Mr. R.H. Rathi 308, Shankar Nagar, Nagpur
Room Number:	Not Available
Floor:	Not Available
Building Name:	Not Available
Road/Street Name:	Not Available
Locality:	Shankar Nagar
City:	Nagpur
11.Area of the project	Grampanchayat area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from Grampanchayat
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	6000000

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

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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	Limestone and Dolomite	Nil	0.6 MTPA	0.6 MTPA

32.Total Water Requirement

Dry season:	**Source of water**	The total water requirement - 40 m^3/day, 30 m3/day for dust suppression, plantation from borewell initially and later water collected in mine pit. Drinking water 10 m3/day - borehole.
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	30 m3/day for dust suppression, plantation from borewell initially and later water collected in mine pit.
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	40 m^3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	Drinking water 10 m3/day - borehole.
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	10 m^3/day
	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**
Fresh water requirement	Nil	10	10	Nil	5	5	Nil	5	5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.2 m to 11.1 m
	Size and no of RWH tank(s) and Quantity:	Garland drains , gully checks, retention wall etc.
	Location of the RWH tank(s):	Northern boundary of mining lease area
	Quantity of recharge pits:	500 m
	Size of recharge pits :	Section 2 m width x 1 m depth
	Budgetary allocation (Capital cost) :	5
	Budgetary allocation (O & M cost) :	1
	Details of UGT tanks if any :	Not Applicable

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35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable. However, the storm water due to rainfall will be channelized to the natural water courses like gullies and depression through appropriate drainage system with check bunds.
	Quantity of storm water:	Rainfall runoff
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Not Applicable
	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:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	120000 cum upto coneptual period
	Wet waste:	Nil
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Top soil will be used for plantation and waste materials will be dumped on non-mineral area which will be biologically stabilized
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Within lease area
	Area for the storage of waste & other material:	52500 sqm
	Area for machinery:	Nil
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Nil
	O & M cost:	Nil
37.Effluent Charecterestics		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amount of effluent generation (CMD):		Not Applicable			
Capacity of the ETP:		Not Applicable			
Amount of treated effluent recycled :		Not Applicable			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Not Applicable			
Disposal of the ETP sludge		Not Applicable			

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Nil	Nil	Nil	Nil
41.Source of Fuel		Not Applicable		
42.Mode of Transportation of fuel to site		Not Applicable		

43.Green Belt Development	**Total RG area :**	52500
	No of trees to be cut :	Nil
	Number of trees to be planted :	10500
	List of proposed native trees :	Awala, Behada, Kadulimb, Karanj, Moha Sag, Kawath and Peru
	Timeline for completion of plantation :	Upto 7 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	Emblica officinalis	Awala	1500	Created to intercept dust, gaseous pollutants and noise and Fruits
2	Cassia fistula	Bahava	1000	Created to intercept dust, gaseous pollutants and noise

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3	Azadirachta indica	Kadulimb	1500	Created to intercept dust, gaseous pollutants and noise
4	Pongamia pinnata	Karanj	1000	Created to intercept dust, gaseous pollutants and noise
5	Madhuca indica	Moha	1500	Created to intercept dust, gaseous pollutants and noise
6	Tectona grandis	Sag	2000	Created to intercept dust, gaseous pollutants and noise
7	Feronia limonia	Kavath	1000	Created to intercept dust, gaseous pollutants and noise
8	Psidium guajava	Peru	1000	Fruit plant
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

It is proposed to install 5 solar light poles within mining lease area to saving energy by non-conventional method.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar lights	5

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

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Fugitive dust emission	Nil	Water tankers

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50,000/-
	O & M cost:	Rs. 5,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Pollution Control	Garland drains, gully checks, retention wall etc.)	5	1
2	Pollution Monitoring	Air, Noise monitoring Water, Soil sample analysis	0	1
3	Occupational Health	Regular health chechup of Mine workers	0	1
4	Green Belt	Plantation of 10500 trees within 7 tears within and outside thelease boundary	0	1
5	Others	Wild life management	0	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
Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

52.Any Other Information

No Information Available

53.Traffic Management

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

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Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category 'B1'
	Court cases pending if any	No
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-11-2016

Brief information of the project by SEAC

PP has obtained ToR in 98th meeting of SEAC-1 held on 26th , 27th March, 2015 under category 1(a)B1.. Now PP submitted EIA report for apprasial.

DECISION OF SEAC

During deliberations it was observed that, PP has not submitted correct project cost.

After detaield deliberation PP agreed to relook into the project cost submiited along with the application and will submit a fresh application for furhet appraisal.

Specific Conditions by SEAC:

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FINAL RECOMMENDATION

Kindly find SEAC decision above.

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SEAC Meeting number: 143 **Meeting Date** October 12, 2017

Subject: Environment Clearance for Industrial Project- Mettalurgical Unit

1.Name of Project	M/s Kalika Steel and Alloys Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ghansyam C Goyal
4.Name of Consultant	Ultra-Tech
5.Type of project	Industrial Estate- Metallurgical Unit
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	Earlier EC obtained from SEAC, vide letter No. SEAC-2014/CR-32/TC-2 dated 30.09.2014
8.Location of the project	C-7,8,9,10/2,10/3 & 11, Phase I, Additional MIDC, Jalna
9.Taluka	Jalna
10.Village	--
Correspondence Name:	C-7,8,9,10/2,10/3 & 11, Phase I, Additional MIDC, Jalna
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	Jalna
City:	Jalna
11.Area of the project	MIDC, Jalna
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 28905.00
13.Note on the initiated work (If applicable)	for proposed expansion work is not initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	65055
16.Deductions	NA
17.Net Plot area	65055
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 28905
19.Total ground coverage (m2)	35204
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	~54 %
21.Estimated cost of the project	219.89

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA

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24.Number of expected residents / users	~900 Nos.
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	yes, we have received earlier EC, so existing structure is there
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	M.S. Billets and/or MS Structural Bar, Angle & Channels	800 MTD	1000 MTD	1800 MTD

32.Total Water Requirement

Dry season:	**Source of water**	MIDC and artificial lake
	Fresh water (CMD):	257
	Recycled water - Flushing (CMD):	23
	Recycled water - Gardening (CMD):	10 –recycle + 35 fresh
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	326
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	0

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Wet season:	**Source of water**	MIDC and artificial lake
	Fresh water (CMD):	257
	Recycled water - Flushing (CMD):	23
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	281
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	0
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	14	27	41	3	3	8	11	22	33
Cooling tower & thermopack	110	90	200	90	200	0	0	0	0
Industrial Process	20	20	40	2	2	4	18	18	36
Gardening	20	25	45	20	25	45	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 m
	Size and no of RWH tank(s) and Quantity:	10X10X5m Tanks 2 Nos.
	Location of the RWH tank(s):	Near Shed and office building
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.10,00,000/
	Budgetary allocation (O & M cost) :	Rs.1,50,000/
	Details of UGT tanks if any :	3 Nos. 40 m3 each

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35.Storm water drainage	**Natural water drainage pattern:**	as per contour
	Quantity of storm water:	~1233 m3
	Size of SWD:	0.6x1.2 m
Sewage and Waste water	**Sewage generation in KLD:**	41
	STP technology:	extended aeration
	Capacity of STP (CMD):	40
	Location & area of the STP:	near plot C-7, area - 55.74 m2
	Budgetary allocation (Capital cost):	Rs. 35,00,000/-
	Budgetary allocation (O & M cost):	Rs. 7,20,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Only foundation & fabrication work
	Disposal of the construction waste debris:	Reused at site
Waste generation in the operation Phase:	**Dry waste:**	284 kg/d
	Wet waste:	121 kg/d
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	approx. 5 kg/d
	Others if any:	Slag 90 TPD
Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized vendor
	Wet waste:	Will be treated by vermicomposting
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	used as manure
	Others if any:	After crushing will be used for building and road construction.
Area requirement:	**Location(s):**	near STP
	Area for the storage of waste & other material:	100 m2
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60,00,000/-
	O & M cost:	Rs. 1,75,000 /- per month

37.Effluent Charecterestics

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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	Furnace	Electricity	1	35	1.6	114
2	Furnace	Electricity	1	45	1.6	122

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	26,600 KVA	33,250 KVA	59,850 KVA
41.Source of Fuel		MSEDCL		
42.Mode of Transportation of fuel to site		NA		

43.Green Belt Development		
	Total RG area :	15,500 m2
	No of trees to be cut :	0
	Number of trees to be planted :	250
	List of proposed native trees :	Neem,Peepel,Audumber,Mango and Other native trees
	Timeline for completion of plantation :	Around 6 months

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	Azadirctca indica	Neem	20	medicinal plant
2	Neolamarkia cadamba	Kadamb	60	Tropical fruit tree & bird attracting tree
3	Vitex negundo	Nirgudi	30	medicinal plant
4	Syzygiam cumini	Jambhul	25	fruit tree & bird attracting

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5	Saracaindica	Sitaashok	55	Evergreen medicinal plant
6	Mimusopeselengi	Bakul	35	Evergreen tree, timber yielding and medicinal plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	60 KVA
	During Operation phase (Connected load):	26600 KVA
	During Operation phase (Demand load):	59850 kVA
	Transformer:	--
	DG set as Power back-up during operation phase:	Total 3 Nos. 1500, 500 & 200 kVA
	Fuel used:	Diesel
	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
Furnace	Wet scrubber with stack	Wet scrubber with stack

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)

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1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air environment	Stack - emission control	280.00	12.00
2	water & waste	water & waste	35.00	7.20
3	Green belt	Green belt	20.00	4.8
4	Envt. monitoring	Envt. monitoring	--	2.64
5	Envt.cell & PR	Envt.cell & PR	--	12.00
6	other aspects like RWH, safety, security etc.	other aspects like RWH, safety, security etc.	10.00	3.00
7	Contingency	Contingency	30.00	3.00

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	2 Gates IN-OUT Adjusent/adjoining Roads

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7855.00
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	NA
	Width of all Internal roads (m):	6-9m
	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	Schedule 3(a), Cat. B
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(a)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

Public hearing is applicable.

DECISION OF SEAC

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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 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. SEAC-2014/CR-32/TC-2 dated 30.09.2014 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017
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, 33% green belt, rain water harvesting etc.
3) PP to submit copy of amalgamation order of all the plots C-7,8,9.10/2,10/3 and 11 situated in additional MIDC, Jalna.
4) As the industry is having energy intense operation; PP PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
5) PP to provide necessary arrangements for protection against lightening.
6) PP to carry out heat integration study and include details of heat recovery in the EIA report.
7) PP to carry out QRA and submit copy of on site/off site emergency plan.
8) PP to include chapter on storage and disposal of waste slag.

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.

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