172nd Meeting of State Level Expert Appraisal Committee – 1 (SEAC-1) (Day - 2)

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Proposed project

Is a Violation Case: No

1.Name of Project	Survival Technologies Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	Survival Technologies Pvt Ltd
4.Name of Consultant	Green Circle Inc.
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. G-1,MIDC Mahad
9.Taluka	Mahad
10.Village	Mahad
Correspondence Name:	Shri Vijay Agrawal , Director
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	MIDC, Mahad
Locality:	Tal.: Mahad
City:	Raigad
11.Whether in Corporation / Municipal / other area	Other Area- Mahad MIDC , Dist. Raigad
12.IOD/IOA/Concession/Plan Approval Number	Plot Plan Approval by MIDC Mahad
	IOD/IOA/Concession/Plan Approval Number: Plot Plan Approval by MIDC Mahad
	Approved Built-up Area: 15189
13.Note on the initiated work (If applicable)	No Any work Initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plot Plan Approved from MIDC Mahad
15.Total Plot Area (sq. m.)	34222 Sq. mtr.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 15189
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
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	383900000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Around 10 M
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	1-ethyl 3-(3-(dimethylamino)propyl) carbodimide hydrochloride (STP - 720)	0	21	MT/M
2	Trifluro Acetic Anhydride (STP-90)	0	3	MT/M
3	3-Ethynyl Aniline (STP-1135)	0	1	MT/M
4	Speciality Chemicals & fine Organic	0	70	MT/M

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Water Supply
	Fresh water (CMD):	437
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	437
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC Water Supply
	Fresh water (CMD):	437
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	437
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	25	25	0	5	5	0	20	20
Industrial Process	0	232	232	0	32	32	0	200	200
Cooling tower & thermopack	0	180	180	0	110	110	0	70	70
Gardening	0	10	10	0	10	10	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Around below 50 ft
	Size and no of RWH tank(s) and Quantity:	4 Nos having size 3 m x 2.5m x 2m
	Location of the RWH tank(s):	within plot
	Quantity of recharge pits:	4
	Size of recharge pits :	3m x 2.5m x 2m
	Budgetary allocation (Capital cost) :	10 Lakhs
	Budgetary allocation (O & M cost) :	0.4 Lakhs
	Details of UGT tanks if any :	Yes
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	25
	STP technology:	Septic Tank will be provided about 25 KLD
	Capacity of STP (CMD):	25 CMD
	Location & area of the STP:	Proposed
	Budgetary allocation (Capital cost):	Proposed Around 50 Lakh
	Budgetary allocation (O & M cost):	Proposed Around 1 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor Quantity of Demolition Waste Debris
	Disposal of the construction waste debris:	Inhouse Low Lying Area
Waste generation in the operation Phase:	**Dry waste:**	Boiler Ash,Wooden Scrap, Plastic Scrap , MS/AS/SS, Paper Waste/Card Board, Used Insulation Material,Safety Helmet ,Safety
	Wet waste:	Canteen/ Kitchen Waste
	Hazardous waste:	Used Oil, Used Batteries, Spent Solvent,Distillation residues, Process Residue, Discarded Drum & ETP Sludge
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Reuse & Recycle or Sale
	Wet waste:	Landfill
	Hazardous waste:	CHWTSDF or Recycle/Reuse as sale to Authorized Processor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Within Plot
	Area for the storage of waste & other material:	Within Plot
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5 Lakhs
	O & M cost:	10 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	NA	6.5-7.2	6.5-8.5
2	Total Suspended Solids	mg/l	2000-5000	100 mg/l	100 mg/l
3	BOD	mg/l	850-1100	100 mg/l	100 mg/l
4	COD	mg/l	1200-1700	250 mg/l	250 mg/l
5	Oil & Grease	mg/l	21-24	10 mg/l	10 mg/l
6	Total Dissolved Solid	mg/l	5000-7000	2100 mg/l	2100 mg/l
7	Sulphates	mg/l	1450-2200	1000 mg/l	1000 mg/l
8	Chlorides	mg/l	1000-1200	600 mg/l	600 mg/l

Amount of effluent generation (CMD):	270
Capacity of the ETP:	325
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	270
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Oil & grease Trap with Mechanical Oil Skimmer, Collection cum Equation Tank ,Neutralization Tank , Primary Clarification System, Chemical Dosing System
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	lit/M	-	100	100	Sale to Authorized reprocessor
2	Used Batteries	9.1	-	-	As and when required	As and when required	Sale to Authorized reprocessor
3	Spent Solvent	28.5	MTD	-	5	5	Recycle/Reuse
4	Distillation Residual	28.1	MTD	-	1.2	1.2	CHWTSDF

5	Process Residue	28.1	MTD	-	5	5	CHWTSDF
6	Discarded Drum	33.3	No./Month	-	1200	1200	Reuse/Recycle
7	ETP Sludge	34.3	MTD	-	11	11	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	4000 Kg/Hr	1	30	3	130
2	Hot oil Generator	4000000 Kcal/Hr	1	15	1.5	100
3	Scrubber-2	200 CFM	2	10	1.5	Ambient
4	DG set- 2	750 KVA	1	7.5	1.0	110

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal or Briquette	0	19 MT/day or 22 MT/day	19 MT/day or 22 MT/day
2	LDO	0	540 Lit/Day	540 Lit/Day
3	HSD	0	41.5 Lit/Hour	41.5 Lit/Hour
41.Source of Fuel		From Nearby Source		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	10500 sq.mt
	No of trees to be cut :	NA
	Number of trees to be planted :	125
	List of proposed native trees :	Neem, coconut, Mango etc
	Timeline for completion of plantation :	2 - 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	Neem	Neem	25	Good for oxygen release
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	2.5 M	100

47.Energy

Power requirement:	**Source of power supply :**	From MSEDCL
	During Construction Phase: (Demand Load)	750 KVA
	DG set as Power back-up during construction phase	750 KVA
	During Operation phase (Connected load):	750 KVA
	During Operation phase (Demand load):	750 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	750 KVA
	Fuel used:	HSD -41.6 Lit/Hr
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Pannels will be installed on Admin Building Rooftop

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
From Fuel burning sources	NA	Effluent Treatment Plant
From Process Emission	NA	Process Scrubber
Effluent from utilities and process, domestic Sewage	NA	Effluent Treatment Plant & Septic Tank
Hazardous waste from Process Operations	NA	CHWTSDF, Authorized Recycler

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	39000000
	O & M cost:	2.1 Cr

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	Process Scrubber, Adequate Stack	5	2
2	Env. Monitoring	Env. Monitoring	5	2
3	Water Pollution Control	ETP	85	25
4	Hazardous Waste & Solid Waste Management	Hazardous Waste Disposal	5	5
5	Green Belt Development	Green Belt Development	25	5
6	Occupational Health & Safety	Occupational Health & Safety	76	26
7	Green initiative	Rain Water Harvesting	12	0.3
8	Green initiative	Solar Power	10	0.4

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	2286 S.mt
	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):	4 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(f)- chemical Industry
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

DECISION OF SEAC

During deliberations, it is observed that, PP has not yet obtained permission from the CETP to discharge their effluent. Also, PP was not having adequate docuemnts like proper layout, area statement etc.

In view of above, SEAC-1 decided to defer the proposal till PP submits permission from the CETP for discharge of their waste water and proper layout as required below,

1. PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, entry/exit gates provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

2. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

172nd Meeting of State Level Expert Appraisal Committee – 1 (SEAC-1) (Day - 2)

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Proposed Active Pharmaceutical Ingredients (API) Manufacturing Facility at plot no. N-26, MIDC additional Patalganga Industrial Estate, Tal. Panvel, Maharashtra by M/s. Cogent Life Science Private Limited.

Is a Violation Case: No

1.Name of Project	Proposed Active Pharmaceutical Ingredients (API) Manufacturing Facility at plot no. N-26, MIDC additional Patalganga Industrial Estate, Tal. Panvel, Maharashtra by M/s. Cogent Life Science Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Cogent Life Science Private Limited
4.Name of Consultant	Ecofootforward Environmental Consultancy and Engineers Private Limited
5.Type of project	Active Pharmaceutical Ingredients (API), API Intermediates and KSM Manufacturing Facility
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. N-26, MIDC Additional Patalganga Industrial Estate, Taluka-Panvel, District-Raigad, State-Maharashtra.
9.Taluka	Panvel
10.Village	Karade
Correspondence Name:	Adarsh Harshad Shah
Room Number:	B-302
Floor:	3rd floor
Building Name:	Shankardhan Plaza
Road/Street Name:	J.N. Road
Locality:	Mulund (W)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	MIDC additional Patalganga Industrial Estate
12.IOD/IOA/Concession/Plan Approval Number	OUTWARDS/MIDC/PATA1/E&MDSDPTLGNGCIV/A94524/2019
	IOD/IOA/Concession/Plan Approval Number: OUTWARDS/MIDC/PATA1/E&MDSDPTLGNGCIV/A94524/2019
	Approved Built-up Area: 10489.95
13.Note on the initiated work (If applicable)	MIDC Lease Agreement with M/s. Infinium Precious Resources Ltd. (28.3.2014). MPCB CTE on 30.8.2016 & amended for Distillation of Solvents (21.9.2016) & had constructed only Industrial Shed. MIDC Letter for Change in Activity from Engineering to Distillation of Solvents (25.1.2017). MIDC transferring Lease to M/s. Cogent Life Science Pvt. Ltd. (06.09.2017). MPCB letter for consent name change to M/s. Cogent Life Science Pvt. Ltd. (24.11.2017). Now, proposing new API manufacturing unit. We intend to use but no work has been initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC/FIRE/C - 40740
15.Total Plot Area (sq. m.)	10697.00 sq.m
16.Deductions	1069.70 sq.m
17.Net Plot area	9627.30 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 9540.67
	b) Non FSI area (sq. m.): 949.28
	c) Total BUA area (sq. m.): 10489.95
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9540.67
	Approved Non FSI area (sq. m.): 949.28
	Date of Approval: 13-03-2019
19.Total ground coverage (m2)	3073.48

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.70
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	API Block	G+ Mezzanine @ G + 2 Floors	14.75
2	Intermediate Plant	G + 2 Floors	14.85
3	Utility Block	G + 2 Floors	14.20
4	ADMIN/QC/WARE HOUSE	G + 2 Floors	13.20

23.Number of tenants and shops	NA
24.Number of expected residents / users	50
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.5 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	Industrial Shed
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	Sertraline	NA	5	5
2	Montelukast Sodium	NA	5	5
3	Duloxetine	NA	5	5
4	Capecitabine	NA	5	5
5	Telmisartan	NA	6	6
6	Clopidogrel	NA	6	6
7	Abacavir Sulphate	NA	10	10
8	Brexpiperazole	NA	18	18
9	Dapagliflozin	NA	20	20
10	Deferasirox	NA	20	20

11	Pregabalin	NA	6	6
12	Linezolid	NA	6	6
13	Rosuvastatin Calcium	NA	6	6
14	Refaximin	NA	6	6
15	Lornoxicam	NA	6	6
16	Sertaconazole Nitrate	NA	6	6
17	Tioconazole	NA	6	6
18	Flubiprofen	NA	6	6
19	Canagliflozin Hemihydrate	NA	6	6
20	Dimethyl Fumarate	NA	6	6
21	Sofosbuvir	NA	6	6
22	Ledipasvir	NA	6	6
23	Pirfenidone	NA	6	6
24	Atazanavir Sulphate	NA	6	6
25	Darunavir Ethanolate	NA	6	6
26	Entecavir	NA	6	6
27	Solifenacine Succinate	NA	6	6
28	Eletriptan Hydrobromide	NA	6	6
29	Fenticonazole Nitrate	NA	6	6
30	Prasugrel Hydrochloride	NA	6	6
31	Ablraterone Acetate	NA	6	6
32	Imatinib Mesylate	NA	6	6
33	Cabazitaxel	NA	6	6
34	Gefitinib	NA	6	6
35	Erlotinib	NA	6	6
36	Dasatinib	NA	6	6
37	Perampanel	NA	6	6
38	Teriflunomide	NA	6	6
39	Pomalidomide	NA	6	6
40	Lenalidomide	NA	6	6
41	Latanoprost	NA	6	6
42	Phenyl Vinyl Sulfone	NA	6	6
43	3- Hydroxy Acetophenone	NA	20	20
44	Maap Sulphate	NA	10	10
45	Di-isopropyl ethylamine	NA	20	20
46	3-3 Dimethyl acrylic acid	NA	20	20
47	Maltol	NA	20	20
48	2,3-Di chloro Acetophenone	NA	25	25
49	3- trifluoromethyl Acetophenone	NA	25	25

50	2-Amino Acetophenone	NA	10	10
51	Para chloro phenone	NA	30	30
52	MEP Derivatives	NA	10	10
53	Citalopram Series	NA	10	10
54	Metoprolol Derivatives	NA	10	10
55	Etodolac Derivatives	NA	5	5
56	Atovaquone Derivatives	NA	5	5
57	Mesalamine Derivatives	NA	5	5
58	Hydrogenation Derivatives	NA	25	25
59	Halogenation Derivatives	NA	25	25
60	Etherification	NA	25	25
61	Specialty Chemicals (Electronic Chemicals, Fragrance & Flavors and Specialty Monomers and Polymers)	NA	20	20
62	Heterocyclic Derivatives / Polycyclic Derivatives	NA	25	25
63	Oxidation Derivatives	NA	30	30
64	Carboxylic Acid Derivatives	NA	25	25
65	Basic Aromatic Intermediates	NA	20	20
66	Chiral Resolution Derivatives	NA	30	30
67	Ethylene Oxide an Isobutylene Intermediastes	NA	20	20
68	Organomettalic Chemistry Derivatives (Grignard, Lithiation, Coupling)	NA	25	25

32.Total Water Requirement

Dry season:	**Source of water**	MIDC, Patalganga
	Fresh water (CMD):	77.35
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	3.15
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	80.5
	Fire fighting - Underground water tank(CMD):	165
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	0
Wet season:	**Source of water**	MIDC, Patalganga
	Fresh water (CMD):	73.5
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	73.5
	Fire fighting - Underground water tank(CMD):	165
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	3.15
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**
Fresh water requirement	NA	40	40	NA	0	0	NA	40	40
Cooling tower & thermopack	NA	30	30	NA	30	30	NA	0	0
Domestic	NA	3.5	3.5	NA	0.35	0.35	NA	3.15	3.15

Gardening	NA	7	7	NA	7	7	NA	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5 m to 4.5 m
	Size and no of RWH tank(s) and Quantity:	1 * 100 CMD
	Location of the RWH tank(s):	Adjacent to Domestic water UG Tank
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	15 lakh
	Budgetary allocation (O & M cost) :	0.5 lakh/year
	Details of UGT tanks if any :	RWH tank : 1 No. * 100 CMD Fire Fighting tank: 1 No. * 165 CMD
35.Storm water drainage	**Natural water drainage pattern:**	South to North West
	Quantity of storm water:	577 cum/hr
	Size of SWD:	1000 mm * 650 mm
Sewage and Waste water	**Sewage generation in KLD:**	3.15
	STP technology:	SBT Bioreactor
	Capacity of STP (CMD):	4 CMD
	Location & area of the STP:	On ground & 25 sq.m
	Budgetary allocation (Capital cost):	6.00 lakh
	Budgetary allocation (O & M cost):	0.12 lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	120 MT
	Disposal of the construction waste debris:	Used for back filling to maintain site contour levels and internal road making.
Waste generation in the operation Phase:	**Dry waste:**	18 kg/day
	Wet waste:	7 kg/day
	Hazardous waste:	ETP sludge : 5TPM; Distillation Residue : 0.25 TPM; MEE Residue : 18.5 TPM; Spent Carbon : 0.25 TPM; Empty Carboys,bags,etc., : 50 kg/month; Drums : 100 Number
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.85 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized MPCB Vendor
	Wet waste:	Organic Waste Convertor (OWC)
	Hazardous waste:	CHWTSDF, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as compost in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Near ETP area
	Area for the storage of waste & other material:	25 sq.m
	Area for machinery:	1.5m * 2m * 1.5m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5 lakh
	O & M cost:	0.5 lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.8- 7.5	6.8-7.5	5.5-9.0
2	COD	mg/l	20000	200	250
3	BOD	mg/l	5000	20	30
4	TDS	mg/l	15000	90	100
5	Oil & grease	mg/l	20	5	10

Amount of effluent generation (CMD):	40
Capacity of the ETP:	50 CMD
Amount of treated effluent recycled :	30 CMD
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Soil Biotechnology or SBT system of waste water recycling has been developed by IITb. The treated effluent from SBT is further treated in tertiary treatment unit including RO system to obtain high quality reusable water (permeate) used in cooling tower and concentrate will be treated in Multi effect evaporator (MEE) to attain ZLD.
Disposal of the ETP sludge	CHWTSDF, Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	TPM	NA	5	5	CHWTSDF, Taloja
2	Distillation Residue	20.3	TPM	NA	0.25	0.25	CHWTSDF, Taloja
3	MEE Residue	35.3	TPM	NA	18.5	18.5	CHWTSDF, Taloja
4	Spent carbon	28.3	TPM	NA	0.25	0.25	CHWTSDF, Taloja
5	Empty Carboys,bags	33.1	kg/month	NA	50	50	Sell to MPCB authorized recycler
6	Drums	33.1	Number	NA	100	100	Sell to MPCB authorized recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1000 KVA x 2 Nos	HSD 130 lit/hr	2	12	0.15	65°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	130 lit/hr	130 lit/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Local supplier		

43.Green Belt Development	**Total RG area :**	1139.95 sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	171
	List of proposed native trees :	171
	Timeline for completion of plantation :	1 year during project construction phase

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	Lagerstroemia speciosa	Tamhan	10	State flower tree of Maharashtra. Fast growing ornamental tree. Beautiful violet flowers.
2	Cassia fistula	Bahava	10	Popularly known as 'Golden shower' tree for its beautiful yellow hanging flowers. Native ornamental tree. Pods are medicinal.
3	Artocarpus heterophyllus	Jackfruit	10	Good foliage and shade. Large leaf surface helpful for absorption of air pollutants.
4	Ficus religiosa	Pimpal	21	Fast growing native tree. Religiously important. Fruits attract variety of birds.
5	Azadirachta indica	Neem	20	Medicinal tree. Native, fast growing tree. Religiously important tree.
6	Bauhinia purpurea	Kanchan	10	Beautiful pink-violet flowers. Native ornamental tree.
7	Pterospermum acerifolium	Muchukund	15	Fast growing native tree. Large leaf surface helpful for absorption of air pollutants. Beautiful flowers.
8	Tectona grandis	Teak	10	Native tree with well-known for its timber value. Fast growing. Beautiful small white flowers.

9	Saraca indica	Sita Ashok	10	Native medicinal tree. Ornamental tree with attractive red-yellow flowers, good foliage.
10	Michelia champaca	Sonchafa	10	Yellow fragrant flowers. Fast growing native ornamental tree.
11	Albizia lebbeck	Shirish	10	Native tree good for shade. Fragrant yellow flowers. Good for roadside plantation.
12	Madhuca latifolia	Moha	10	Important native tree with variety of uses. Good foliage and shade.
13	Neolamarckia cadamba	kadamb	15	Fast growing native tree. Good foliage and attractive flowers. Large leaf surface helpful for absorption of air pollutants
14	Thespesia populnea	Ran Bhend	10	Fast growing native tree. Good foliage and attractive flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Board (MSEB)
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	4624 KW
	During Operation phase (Demand load):	1683.75 KW
	Transformer:	2000 kVA
	DG set as Power back-up during operation phase:	1000 * 2 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Saving in Lighting load due to LED attachments – 30 KW
Installed Solar PV system – 18 KW

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	Maximum savings due to Use of LED	1.78 %
2	Solar PV installations	1.06 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Domestic Sewage	NA	SBT bioreactor (4 KLD capacity)
Process Effluent	NA	Effluent treatment plant (ETP) will be installed having SBT system followed by RO & MEE.
Solid Biodegradable waste	NA	OWC unit will be set up for the treatment of biodegradable waste.
Process Emissions	NA	Air scrubber

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15 lakh
	O & M cost:	0.5 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Mobile Toilet	5 WC	1.50
2	Dust Curtains & Noise Control screens	Particulates and dB(A) levels	5.00
3	Organic waste convertor (OWC) Unit	Biodegradable solid waste management	5.00
4	Environment Monitoring	Ambient Air, Noise, Water & Soil Quality	1.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Domestic Wastewater Management via. SBT	6	0.12
2	Effluent Treatment Plant (SBT system)	Process Effluent Management	53	4.8
3	Reverse Osmosis (RO) system	High Quality permeate	15	2.5
4	Multi Effect Evaporator (MEE)	Concentrate Reject control	25	0.5
5	Rain water Harvesting Tank	Use of incremental runoff	15	0.15
6	Organic waste convertor (OWC) Unit	Domestic Biodegradable Solid Waste Management	5	0.5
7	Landscape / Tree plantation	Green Belt Development	3.42	1.5
8	Solar PV installations	Use of non-conventional source of electricity	15	0.15
9	Air scrubbing system	Dust collector/Process emission control	2	0.15

10	Environment Monitoring	Ambient Air Quality, treated waste water quality, Noise levels, soil quality, stack emissions,	NA	14.25
11	Contingencies	Fire safety training, Environment & Hazard Management Training	5	0.5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Toluene	Hazardous & Toxic	On 1st floor of Amin-QC-Warehouse Block	16	12	51.306	Local Market	Local supplier
Hydrogen	Hazardous & Toxic	On 1st floor of Amin-QC-Warehouse Block	0.07	0.05	1.25	Local Market	Local supplier
Acetone	Hazardous & Toxic	On 1st floor of Amin-QC-Warehouse Block	16	14	52	Local Market	Local supplier
Hexane	Hazardous & Toxic	On 1st floor of Amin-QC-Warehouse Block	16	14	23.2	Local Market	Local supplier
Thionyl Chloride	Hazardous & Toxic	On 1st floor of Amin-QC-Warehouse Block	16	14	0.75	Local Market	Local supplier
Bromine/Halogens	Hazardous & Toxic	On 1st floor of Amin-QC-Warehouse Block	2	1.5	5	Local Market	Local supplier
Acids	Hazardous & Toxic	On 1st floor of Amin-QC-Warehouse Block	10	8	6	Local Market	Local supplier

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	1490.81 sq. m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	30
	Number of 4-Wheelers as approved by competent authority:	10
	Public Transport:	NA
	Width of all Internal roads (m):	6 to 9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	5.35 km
	Category as per schedule of EIA Notification sheet	5 (f) B
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-03-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

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

The proposal was considered in the 167th meeting of SEAC-1 held on 01.08.2019 wherein the proposal was referred to the SEIAA for confirmation of following views,

"During deliberations, it was noticed that, the distance of Karnala Bird Sanctury from the proposed plot is 2.3 KM. Hence, the General Conditions as mentioned in the EIA Notification,2006 are applicable to the project as per Amended Notification No. S.O.3067 dated 01.12.2009 and hence project falls under category "A" for which prior Environemntal Clearance needs to be obtianed from the MoEF&CC, New Delhi.

In view of above, SEAC-1 decided to refer the proposal to the SEIAA for confirmation of above view."

DECISION OF SEAC

SEIAA considerd the proposal in their 180th meeting held on 07.11.2019 wherein following decision was given,

"After deliberations SEIAA decided to confirm the views of SEAC and refer back proposal to the SEAC for further nexessary action."

In view of above, SEAC-1 advised PP to apply to the EAC,MoEF&CC as category "A" proposal for the grant of EC and decided to delist the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Expansion of existing sugar uit from 4000 to 8250 TCD and co-generation from 21 to 35 MW

Is a Violation Case: No

1.Name of Project	Expansion of existing sugar unit from 4000 to 8250 TCD and co-generation from 21 to 35 MW
2.Type of institution	Private
3.Name of Project Proponent	The Malegaon Sahakari Sakhar Karkhana Ltd
4.Name of Consultant	Vasantdada Sugar Institute Manjari (Bk.) Pune
5.Type of project	others
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	NA
8.Location of the project	Shivnagar
9.Taluka	Baramati
10.Village	Malegaon Bk
Correspondence Name:	Mr. V. M. Wable
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Shivnagar, Malegaon (Bk.)
City:	Baramati
11.Whether in Corporation / Municipal / other area	other area
12.IOD/IOA/Concession/Plan Approval Number	NA
	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
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	Total: 724387 sq.m (179 acres) out of which 10842 sq.m allotted for proposed expansion
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 0.0
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
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	955500000.00

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Provision of approx. 9 m width at turn
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	Existing structure is as sugar process building along with co-generation unit, godown, admin building, stack, ETP
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	14175.0	15045.0	29220.0
2	Bagasse	34320.0	36465.0	70800.0
3	Molasses	4800.0	5100.0	9900.0
4	Pressmud	4440.0	4718.0	9158.0
5	Electricity	21 MW	14 MW	35 MW

32.Total Water Requirement

Dry season:	**Source of water**	Nira left bank canal
	Fresh water (CMD):	182.0 (Crushing Season)
	Recycled water - Flushing (CMD):	8294 (Crushing Season)
	Recycled water - Gardening (CMD):	825.0
	Swimming pool make up (Cum):	not applicable
	Total Water Requirement (CMD) :	not applicable
	Fire fighting - Underground water tank(CMD):	34400.0
	Fire fighting - Overhead water tank(CMD):	not applicable
	Excess treated water	not applicable
Wet season:	**Source of water**	Nira left bank canal
	Fresh water (CMD):	536.0 (Non crushing season)
	Recycled water - Flushing (CMD):	1361.0 (Non crushing season)
	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):	34400.0
	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	73	13	86	29	7	36	58.4	10.6	69
Industrial Process	64	32	96	0.0	0	0	64	32	96
Cooling tower & thermopack	400	50	450	400	50	450	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	18-20 m
	Size and no of RWH tank(s) and Quantity:	59.0 m X 39.4 m X 4.0 m
	Location of the RWH tank(s):	Near co-generation unit
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	05.0 Lakhs
	Budgetary allocation (O & M cost) :	2 Lakhs
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	by gravity
	Quantity of storm water:	40400 CM/Annum
	Size of SWD:	06 X 0.450 mm
Sewage and Waste water	**Sewage generation in KLD:**	69 KLD from process building
	STP technology:	Membrane Bio Reactor
	Capacity of STP (CMD):	100 KLPD
	Location & area of the STP:	In sugar complex
	Budgetary allocation (Capital cost):	75 Lakh
	Budgetary allocation (O & M cost):	12 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Top soil quantity will be minor
	Disposal of the construction waste debris:	Top soil will be used for gardening purpose
Waste generation in the operation Phase:	**Dry waste:**	Total ash generation 6657 TPA
	Wet waste:	ETP sludge: 90-95 TPA, CPU sludge: 30-40 TPA
	Hazardous waste:	Spent Oil: 1-2 KL/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10.5 TPA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	The generated ash will be mixed with ready compost and sell to brick manufacturer as per demand
	Wet waste:	ETP sludge will be utilized as manure
	Hazardous waste:	Spent oil will be mixed with bagasse and burnt into boiler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	mixed into soil
	Others if any:	NA
Area requirement:	**Location(s):**	Existing sugar unit
	Area for the storage of waste & other material:	26661.36 sq.mt
	Area for machinery:	17527.43.mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	272 Lakhs
	O & M cost:	32 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4 to 5.5	6.5 to 8.5	5.5 to 9.0
2	BOD	mg/lit	1200 - 1500	<30	30
3	COD	mg/lit	3000 - 4000	<250	250
4	TDS	mg/lit	1200-1500	<2100	2100
5	TSS	mg/lit	600 - 800	<100	100

Amount of effluent generation (CMD):	825 CMD
Capacity of the ETP:	1000 CM
Amount of treated effluent recycled :	825 CMD will be used for irrigation
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Two stage biological treatment (Anaerobic followed by aerobic system)
Disposal of the ETP sludge	ETP sludge will be utilized as manure

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	KL/A	1.5	0.5	2 KL/A	Mixed with bagasse and burnt into own boiler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	Bagasse: 1827 TPD	1	76.0	4.1	140.0

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse (During season)	893.23 TPD	931.77 TPD	1827.0 TPD
2	Bagasse (During off season)	352.0 TPD	-	352.0 TPD
41.Source of Fuel		own sugar industry		
42.Mode of Transportation of fuel to site		Closed conveyor belt		

43.Green Belt Development	**Total RG area :**	44782.34 sq. m (11.06 acres)
	No of trees to be cut :	NA
	Number of trees to be planted :	5000 nos
	List of proposed native trees :	Neem, babhul, karanj, wad, pimpal , Jambhul , Chinch etc.
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	700	Fly ash tolerant, tolerant of alkaline and saline soil, common in the area
2	Arecaceae	Palm	80	noise barrier
3	Pongamia pinnata	Karanj	650	ash tolerant, used for making biofuel
4	Tamarind indica	Chinch	650	Tolerant to acidic soil
5	Syzygium cumini	Jambhul	350	medicinal plant, common in region
6	Ficus religiosa	Pimpal	250	tolerant to air & noise pollution
7	Bambusa vulgaris	Bamboo	400	noise barrier
8	Mangifera indica	Mango	450	tolerant to air & noise pollution
9	Ficus bengalansis	Wad	200	fluoride tolerant, common in region
10	Acacia leucophlola	subabhul	200	dust tolerant, very common in the region
11	Aegal marmalosea	Bel	250	tolerant to air pollution
12	Delonix regia	Gulmohor	70	Fly ash tolerant
13	Emblicaofficinalis	Avala	200	-
14	Cordia spp.	Bhokar	200	Dust tolerant
15	Albiziasaman	Shirish	150	Tolerant of CO2
16	Anonasquamosa	Sitaphal	200	Fly ash tolerant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	own cogeneration plant
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	During season: 11.85 MW, During off season: 1.97 MW
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	625 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	0

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler Stack	Electrostatic precipitator	Electrostatic precipitator
Process effluent	ETP	ETP with modification/upgradation

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	Air pollution control equipment (ESP) with RCC chimney	195	28

2	Air pollution	Ash & bagasse handling	20	10
3	Water pollution	Water pollution - ETP modification with new STP & CPU	272	32
4	Environment monitoring	Environment monitoring and management	30	10
5	Rain water harwesting	Rain water harvesting	5	2
6	Solid waste management	Environment management plan	20	5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two junction to the main road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	35,452.63 sq.mt
	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:	Public and State transport facility available
	Width of all Internal roads (m):	minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Sugar Industry: 5 (j) and biomass based power plants: 1 (d)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-04-2018

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
15	179 acres	141640 sq. m.

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(j)B1 & 1(d)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 153rd meeting of SEAC-1 held on 30.06.2018 wherein the ToR was grnated to the PP along with additional ToR points.

PP has obtained earlier EC vide letter No. ENV(NOC) 2005/1614/CR-228/PI dated 26.05.2006.

PP to carry out Public Consultation as per procedure stipulated in the EIA Notification,2006 and submit report along with timelines for the implementation of the issues raised during the Public Consultation.

The Public Hearing was conducted on 04.12.2018.

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

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

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

ToR was granted to the PP in 153rd meeting of SEAC-1 held on 30.06.2018.

PP submitted EIA /EMP report and was considered by the SEAC-1 in their 166th A meeting held on 13.06.2019 whrein the proposal was deferred till submisison of compliance of following points.

After detailed deliberations with the PP and their accredited consultant, SEAC-1 decided to defer the proposal till submisison of complinace of follwing points.

1. PP has not submitted satisfactory compliance of the additiona ToR point No. 1,2,3 & 15. PP to submit revised compliance of the same with supporting documents.

2. PP to make necessary changes in the Consolidated Statement and ensure that information mentioned in the CS is in consonance with EIA report/Form-1&2.

3. PP to provide cul-de-sac at the dead endsof internal roads so as to ensure hassle free vehicular movement and submit revised layout.

4. PP to submit time bound action plan for bringing 100% sugar cane area under the drip irrigation.

5. PP to provide Sewage Treatment Plant in place of soak pits and submit design details.

6. PP to prepare and submit CER planin consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

7. PP to submit compliance of the point No. 3(d) of standard ToR.

Now PP submitted the compliance of the above points.

DECISION OF SEAC

PP requested to postpone the case.

Hence, deferred.

Specific Conditions by SEAC:

1) PP to submit revised lay out plan showing entry/exit gates, internal road width of six meters, storm water drains, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, location of cogeneration plant, rain water harvesting etc. along with area calculations.
2) PP to submit details of year wise crushing quantities against the consented quantities; PP also to submit an affidavit for not violating any requirement of EIA Notification, 2006 amended from time to time.
3) PP to submit structural stability certificate of existing structures to accommodate proposed expansion.
4) PP to submit details of cogeneration plant with its capacity, energy generation, onsite consumption and sale to MSEDCL along with details on the source of pollution and proposed mitigation measures.
5) PP to submit copy of agreement with water resources department for permission to lift of water from Nira left bank canal.
6) PP to provide Sewage Treatment Plant in place of soak pits and submit design details.
7) PP to submit detailed plan for disposal of all kinds of waste materials including molasses and ensure nothing to be discharged out side the factory premises.
8) PP to include design details of boiler and calculation of stack height in the EIA report.
9) PP to submit chemical analysis of ash along with quantities of generation and disposal.
10) PP to submit chemical analysis report of compost and in case it is to be used as soil manure, certificate to be obtained from competent authority for its suitability.
11) PP to prepare report in consultation with Sugar Cane Research Center/ Agriculture University for enhancement of sugar cane productivity by adopting improved management practices. PP to explore possibility of sugar cane production required for proposed expansion without bringing additional land under cultivation.
12) PP to submit plan to achieve 100% drip irrigation in the sugar cane fields under their jurisdiction along with arrangements of the funds and consent from the Board of Directors for the same.
13) PP to carry out HAZOP/ Risk Assessment and submit Disaster Management plan.
14) PP to include details of generation of hazardous and non-hazardous waste and its disposal in the EIA report.
15) PP to submit their plan to implement the CER as per OM issued by MoEF&CC dated 01.05.2018.
16) PP to include details of methodology used for socioeconomic survey and include the same in the EIA report.
17) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.
18) PP has not submitted satisfactory compliance of the additional ToR point No. 1,2,3 & 15. PP to submit revised compliance of the same with supporting documents.
19) PP to make necessary changes in the Consolidated Statement. and ensure that information mentioned in the CS is in consonance with the EIA report/Form-1 & 2.
20) PP to provide cul-de-sac at the dead ends of internal roads so as to ensure hassle free vehicular movement an submit revised layout plan.
21) PP to submit time bound action plan for bringing 100% sugar cane area under the drip irrigation.
22) PP to provide Sewage Treatment Plant in place of soak pits and submit design details.
23) PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
24) PP to submit compliance of the point No. 3(d) of standard ToR.

FINAL RECOMMENDATION

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

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Environmental Clearance for Industrial Project for Manufacturing Molten Steel, Ingots and Billets, 130000 MT/A

Is a Violation Case: No

1.Name of Project	M/s Jaideep Metallics & Alloys Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Manohar Lal Singhania
4.Name of Consultant	Creative Enviro Services
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Gut No. - 78(P) & Gut No. 79 , Village Lakhmapur,
9.Taluka	Wada
10.Village	Lakhmapur
Correspondence Name:	Mr. Ajay Kumar Lalgarhia, M/s Jaideep Metallics & Alloys Private Limited
Room Number:	108
Floor:	1st floor
Building Name:	Neha Industrial Estate , Behind CCI Ltd.
Road/Street Name:	Off. Dattapada Road
Locality:	Borivali (East)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Group Grampanchayat Jamghar-Lakhmapur
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1755.85
13.Note on the initiated work (If applicable)	Construction of factory shed has been stared, as Consent for Establishment of the industry for production capacity 28500 MT/A has been obtained from MPCB.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	6000 sqm
16.Deductions	2097.79 sqm
17.Net Plot area	3902.21 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 1755.85
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	300000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	FACTORY SHED	121	21

23.Number of tenants and shops	NA
24.Number of expected residents / users	150
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)	20 Mtrs
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	Molten Steel , Ingots , Billets	-	130000 MT/A	130000 MT/A

32.Total Water Requirement

Dry season:	**Source of water**	Ground water and from Private Tankers, RWH Pit
	Fresh water (CMD):	80
	Recycled water - Flushing (CMD):	5
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	120 CMD
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	10 CMD
	Excess treated water	0
Wet season:	**Source of water**	Ground water , RWH Pit
	Fresh water (CMD):	80
	Recycled water - Flushing (CMD):	5
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	114 CMD
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	10 CMD
	Excess treated water	0
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	-	10	10	-	1.5	1.5	-	8.5	8.5
Industrial Process	-	24	24	-	6	6	-	18	18
Cooling tower & thermopack	-	80	80	-	-	80	-	0	0
Gardening	-	6	6	-	6	6	-	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	200 Mtrs
	Size and no of RWH tank(s) and Quantity:	10m x 10mx 10m - 1 Nos.
	Location of the RWH tank(s):	Near Factory gate
	Quantity of recharge pits:	2 Nos.
	Size of recharge pits :	3m x 3m x 3m
	Budgetary allocation (Capital cost) :	200000/-
	Budgetary allocation (O & M cost) :	10000/-
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	Strome water drains will be constructed as per level of plot.
	Quantity of storm water:	Will be elaborated in EIA report
	Size of SWD:	Will be elaborated in EIA report
Sewage and Waste water	**Sewage generation in KLD:**	8.5
	STP technology:	Extended aeration system
	Capacity of STP (CMD):	STP - 1 No., Capacity - 10 KLD
	Location & area of the STP:	Near HT Switch Yard, area - 20 sqm
	Budgetary allocation (Capital cost):	25.0 Lakhs
	Budgetary allocation (O & M cost):	3.0 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	re used at site
Waste generation in the operation Phase:	**Dry waste:**	80 kd/day
	Wet waste:	50 kg/day
	Hazardous waste:	Used oil - 20 Lit/ M
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.0 kg/day
	Others if any:	Slag - 30 TPD

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized vendors
	Wet waste:	making vermi compost
	Hazardous waste:	Authorized Recyeler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Slag shall be used for road construction.
Area requirement:	**Location(s):**	Within Plant
	Area for the storage of waste & other material:	100 sqm
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15.0 Lakh
	O & M cost:	100000 Lakh

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	Liters	-	20	20	Authorized Recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Induction Furnace	Electricity	1	30	1.6	92 degree Centigrade

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	-	14000 KVA	14000 KVA

41.Source of Fuel	MSEDCL
42.Mode of Transportation of fuel to site	by HT line

43.Green Belt Development	**Total RG area :**	33% of total plot area
	No of trees to be cut :	0
	Number of trees to be planted :	400
	List of proposed native trees :	Ashoka, Kadamb, Mango, Neem, and other native species
	Timeline for completion of plantation :	within 2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	Ashok	100	Deciduous
2	Neolamarkia Cadamba	Kadamb	100	Tropical fruit tree, bird attracting
3	Mangifera indica	Mango	100	Semi Deciduous
4	Azadirachta indica	Neem	100	Deciduous
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)	150 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	14000 KVA
	During Operation phase (Demand load):	15000 KVA
	Transformer:	Yes
	DG set as Power back-up during operation phase:	1 Nos. x 500 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
Induction Furnace	-	Fume Extraction System, Bag Filter & 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)
1	Air Pollution	PM	Rs. 1.0 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	FES, Bag filter	100.0	3.0
2	Water Pollution Control	STP	25.0	3.0
3	Solid Waste Management	Handling and disposal	15.0	1.0
4	Green Belt	Plantation	2.0	0.5
5	Environmental Monitoring	Air Quality, Stack Monitoring, Waste water quality , Noise level , soil quality	-	3.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	one Junction at Wada Road

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	150 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	10-12 trucks per day will be operated during operation phase.
	Width of all Internal roads (m):	12 Mtrs
	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	3(a)
	Court cases pending if any	No
	Other Relevant Informations	The unit has obtained Consent to establish from MPCB for production capacity of 28500 MT/A, and construction work for installation of one induction furnace is under process. Here we are submitting the application for approval of TOR for production capacity of 130000 MT/A to produce Molter Steel , Ingots & Billets. The cost of the project for would be Rs. 30.0 Crores.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(a)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 149th meeting of SEAC-1 held on 05.04.2018 wherein ToR was granted to the PP along with following additional points,

Public Hearing was conducted on 04.01.2019.

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

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles and memorandum of association.

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

3. PP to carry out life cycle analysis of the activities proposed on site with respect to the sustainability index, green house and ozone depletion potential, mass energy balance calculation etc.

4. PP to include details of generation of solid waste like slag, ash etc., its storage and disposal mechanism in the EIA report.

5. PP to carry out Risk Assessment and submit Disaster Management Plan.

6. PP to submit details of CSR plan prepared in consultation with district authorities along with its time bound implementation schedule. PP to maintain separate account for CSR funds.

7. PP to obtain permission from competent authority for using ground water.

8. PP to include details of use of non conventional energy in the EIA report.

9. PP to submit detailed calculation for rain water harvesting.

10. PP to provide lightening arrestor.

PP submitted the EIA/EMP reprot for appraisal in 168th meeting of SEAC-1 wherein the proposal was deferred on PP's request.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit revised lay out plan showing internal roads with minimum six meter width and nine meter turning radius, entry/exit gates provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
2) PP to submit revised plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
3) PP to provide maximum employment to the local people.
4) PP to explore possibility to provide separate place for scrap processing and waste slag storage so as to provide maximum space for activities on existing plot.
5) PP to submit undertaking for providing ZLD water treatment plant.
6) PP to submit Life Cycle Analysis report along with proposed mitigation measures to reduce impact on the environment.
7) PP to immediately start development of 33% green belt.
8) PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

172nd Meeting of State Level Expert Appraisal Committee – 1 (SEAC-1) (Day - 2)

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Manufacturing of Synthetic Organic Chemicals (Acrylic Co-Polymers for Construction Chemicals & Other Industries)

Is a Violation Case: No

1.Name of Project	THE PROPOSED EXPANSION PROJECT FOR THE MANUFACTURING OF SYNTHETIC ORGANIC CHEMICALS (ACRYLIC CO-POLYMERS FOR CONSTRUCTION CHEMICALS & OTHER INDUSTRIES)
2.Type of institution	Private
3.Name of Project Proponent	CHRYSO India Pvt. Ltd.
4.Name of Consultant	ERM India Private Limited
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance is not required for exisitng operations of manufacturing of Cement Admix and Cemetn Grinding Aid (through blending and mixing activity only)
8.Location of the project	Plot no. E-72, MIDC Additional Patalganga
9.Taluka	Panvel
10.Village	Karade (Budruk)
Correspondence Name:	Mr. Anirban Majumder
Room Number:	Plot No D-30/7
Floor:	NA
Building Name:	NA
Road/Street Name:	TTC Industrial Area, MIDC
Locality:	Turbhe
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	MIDC Additional Patalganga
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 5917.05
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.)	8001 sqm
16.Deductions	NA
17.Net Plot area	8001 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 1
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-05-2019
19.Total ground coverage (m2)	3944.70 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.30%
21.Estimated cost of the project	78000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Industrial shed - one	Ground + mezzanine floor	12 m

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	One industrial shed for exisitng operations
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	Cement admix and cement grinding aid	60000	0	60000
2	Acrylic Co-Polymers	0	4000	4000

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	108
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	108
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	108
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	108
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	1	1	2	0.2	0.2	0.4	0.8	0.8	1.6
Industrial Process	41	56	97	40.8	55.9	96.7	0.2	0.1	0.3
Cooling tower & thermopack	0	6	6	0	3.8	3.8	0	2.2	2.2
Gardening	3	0	3	3	0	3	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	~7.5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Existing- 2 UG tanks for storage of fire water (100 KL) and raw water 100 KL each Proposed- Nil
35.Storm water drainage	**Natural water drainage pattern:**	Existing natural drainage will be maintained.
	Quantity of storm water:	300 m3/hour
	Size of SWD:	600 mm width X 400 mm depth, rectangular shape
Sewage and Waste water	**Sewage generation in KLD:**	Exisitng- 0.8 KLD; Proposed- 0.8 KLD
	STP technology:	Septic tank and Soak pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	Exisitng Septic tank and soak pits will be utilized for expansion project.
	Budgetary allocation (O & M cost):	Exisitng Septic tank and soak pits will be utilized for expansion project.

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minimal quantity of construction debris will be generated during construction activities. Other wastes likely to generate include municipal waste and packaging waste.
	Disposal of the construction waste debris:	As per Construciton and Demolition Waste Rules, 2016
Waste generation in the operation Phase:	**Dry waste:**	approximately 6 kg/day
	Wet waste:	approximately 4 kg/day
	Hazardous waste:	Hazardous waste likely to generate in the Project includes Used/Spent oil, Empty barrels/containers/liners contaminated with hazardous chemicals /wastes; Contaminated cotton rags or other cleaning materials; Chemical sludge from waste water treatment
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Pacaking waste. Further, discarded product (if any) , which cannot be reused with in the process, will be send to TSDF.

Mode of Disposal of waste:	**Dry waste:**	Through local authority
	Wet waste:	Through local authority
	Hazardous waste:	Through approved vendors and TSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Pakaging waste- through approved vendors; discarded product (if any)- through TSDF
Area requirement:	**Location(s):**	Waste storage area is earmarked within the existing industrial shed.
	Area for the storage of waste & other material:	Area of waste storage- 10 sqm
	Area for machinery:	Area for manchinery for proposed unit- 180 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	to be decided during EIA study
	O & M cost:	to be decided during EIA study

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.5-8.5	5.5-9.0	5.5-9.0
2	TSS	mg/l	300	<100	<100
3	TDS	mg/l	5000	<2100	<2100
4	BOD	mg/l	1800	<100	<100
5	COD	mg/l	3000	<250	<250
6	Oil & Grease	mg/l	10	<10	10

Amount of effluent generation (CMD):	Existing- 0.2 KLD; Proposed- 0.1 KLD
Capacity of the ETP:	0.3 KLD
Amount of treated effluent recycled :	0.3 KLD
Amount of water send to the CETP:	0
Membership of CETP (if require):	NA
Note on ETP technology to be used	Existing ETP had primary and secorday treatment units
Disposal of the ETP sludge	TSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent oil	5.1	MT/annum	0	1	1	Through approved recyclers
2	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	33.1	Numbers/annum	0	3400	3400	TSDF
3	Contaminated cotton rags or other cleaning materials	33.2	MT/annum	0	1	1	TSDF
4	Chemical sludge from waste water treatment	34.3	MT/annum	0	5	5	TSDF

5	Discarded product, if any	-	-	-	-	-	TSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing DG set	HSD; 40 Litre/day	1	1m above boundary wall	0.132	476oC
2	Proposed DG set	HSD; 40 Litre/day	2	1m above boundary wall	0.132	476oC
3	Hot water system	LDO/HSD; 1000 Litre/day	3	11	0.3	250oC
4	Process scrubber	-	4	11	0.2	250oC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO/ HSD	40 litre/day	1040 Litre/day	1080 Litre/day
41.Source of Fuel		Local market		
42.Mode of Transportation of fuel to site		By road, in drums		

43.Green Belt Development	**Total RG area :**	Green belt at site is developed in the available land of the facility as per MIDC norms.
	No of trees to be cut :	0
	Number of trees to be planted :	Existing trees on site- Ashoka trees (90 nos.)
	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	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	10KW
	DG set as Power back-up during construction phase	No
	During Operation phase (Connected load):	Existing- 225 KW; Proposed- 225 KW
	During Operation phase (Demand load):	Existing- 225 KW; Proposed- 225 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	Exisitng- 1 x 250 KVA; Proposed- 1 x 250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

VfD in motors;
LED lights in office and shed area;
Direct coupling gearbox;
Power factor of 0.996 is maintained

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Process	NA	Process Scrubber (Caustic scrubber);
DG set	adequate stack height; low sulphur HSD	adequate stack height; low sulphur HSD

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	to be decided during EIA Study
	O & M cost:	to be decided during EIA Study

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	will be decided during EIA study	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	will be decided during EIA study	NA	NA	NA

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
H2O2	proposed	within premises	2	2	15	local market	By road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	210 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	Karnala Bird Sanctuary- 2.3 km (towards west) from the site; Project site is outside the ESZ of Karnala Bird Sanctuary.
	Category as per schedule of EIA Notification sheet	5(f); B category
	Court cases pending if any	No

	Other Relevant Informations	The existing operations of manufacturing Cement Admix and Cement Grinding Aid (through blending and mixing activity only) does not fall under EIA Notification, 2006. Proposed expansion for manufacturing Acrylic Co-Polymers will be done within the premises in the existing industrial shed .
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. The proposal was considered in the 167th A meeting of the SEAC-1 held on 31.07.2019 wherein SEAC decided to refer the proposal to the SEIAA for following reason,

"During deliberations, it was noticed that, the distance of Karnala Bird Sanctury from the proposed plot is 2.3 KM. Hence, the General Conditions as mentioned in the EIA Notification,2006 are applicable to the project as per Amended Notification No. S.O.3067 dated 01.12.2009 and hence project falls under category "A" for which prior Environemntal Clearance needs to be obtianed from the MoEF&CC, New Delhi.

In view of above, SEAC-1 decided to refer the proposal to the SEIAA for confirmation of above view."

DECISION OF SEAC

The SEIAA considered the proposal in their 179th meeting held on 02.11.2019 and decided as below,

"After deliberations SEIAA decided to confirm the above views of SEAC-1 and refer back proposal to the SEAC-1 for further necessary action."

In view of above, PP advised to apply to the EAC,MoEF&CC, New Delhi as category "A" and decided to delsit the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

172nd Meeting of State Level Expert Appraisal Committee – 1 (SEAC-1) (Day - 2)

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Gumgaon Manganese Mine (Underground)

Is a Violation Case: No

1.Name of Project	Gumgaon Manganese Mine
2.Type of institution	Government
3.Name of Project Proponent	M/s MOIL Limited
4.Name of Consultant	Wolkem India Limited, Udaipur, Rajasthan
5.Type of project	Mining of Manganese mineral
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project - mining of Manganese mineral with enhancement of production capacity from 90,000 MTPA to 2,03,200 MTPA.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, The Environmental Clearance was granted vide J-11015/77/2003-IA.II (M) dated 6/12/2004.
8.Location of the project	Topo sheet No 55 K/15 & 55O/3
9.Taluka	Saoner
10.Village	Gumgaon, Khapa, Tegai and Rajna
Correspondence Name:	Mr. KISHORE CHANDRAKER
Room Number:	NA
Floor:	NA
Building Name:	MOIL Bhawan
Road/Street Name:	1-A ,Katol Road,
Locality:	Katol Road
City:	Nagpur
11.Whether in Corporation / Municipal / other area	other area
12.IOD/IOA/Concession/Plan Approval Number	Composite scheme of mining & PMCP for all the leases was approved vide letter No. NGP/MN/MPLN-258/NGP. Dated 09/07/2013.
	IOD/IOA/Concession/Plan Approval Number: Composite scheme of mining & PMCP for all the leases was approved vide letter No. NGP/MN/MPLN-258/NGP. Dated 09/07/2013.
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	It is a existing Mining project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The LOI for ML area of 85.896ha. has been issued on 6th April, 2016 through PL route.
15.Total Plot Area (sq. m.)	85.896 Ha
16.Deductions	NA
17.Net Plot area	85.896 Ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 05-11-2018
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	1000000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	It is existing project and 12.1 ha infrastructure
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	Manganese Ore	7500	9433	16933

32.Total Water Requirement

Dry season:	**Source of water**	Underground Mine and bore well
	Fresh water (CMD):	710
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	710
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

Wet season:	**Source of water**	Underground Mine and bore well
	Fresh water (CMD):	710
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	710
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	200	510	710	20	51	71	NA	NA	NA
Industrial Process	36	50	86	3.6	5.0	8.6	NA	NA	NA
Gardening	200	224	424	20	22	42	0	0	NA
Domestic	100	100	200	10	10	20	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	In the area the groundwater level is ranging between 2 m to 6.0 m bgl in the rainy season and 8 m to 10 m in summer season.
	Size and no of RWH tank(s) and Quantity:	As per CGWA guidelines
	Location of the RWH tank(s):	M.L area
	Quantity of recharge pits:	For "C" Type Quarter - It is estimated that about 132.00 m^3/yr. of rainwater will be recharged to the groundwater through proposed recharge scheme. For "A" Type Quarters:- It is estimated that about 202.00 m^3/yr. of rainwater will be recharged to the groundwater through proposed recharge scheme.
	Size of recharge pits :	A recharge pit having the dimension of 2m x2.5m and 1.50m deep has been proposed for the "C" type quarters building. For "A" type quarters, a recharge pit of 2.0mx 2.0m and 1.50m deep has been recommended based on the rainfall data. The Parapet wall of 0.30m with one side over flow pipe above the ground level may be constructed. RCC cover should be provided on top of the recharge pit.
	Budgetary allocation (Capital cost) :	Rs 50000
	Budgetary allocation (O & M cost) :	Rs 20000
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	The main water course of the area is Kanhan River which flows about 1.5 kms on the eastern side of the lease. The Korardhari nala flows through south of the lease hold area and join at 2.5 km down south-east to Kanhan River. Also there are number of non-perennial water courses and nalas originating from the above mentioned ridges from higher slopes of the hill to main drainage system of Kanhan River.
	Quantity of storm water:	As per CGWA guidelines
	Size of SWD:	As per CGWA guidelines
Sewage and Waste water	**Sewage generation in KLD:**	500 KLD
	STP technology:	Anerobic
	Capacity of STP (CMD):	No.1 and 500 KLD
	Location & area of the STP:	M.L area
	Budgetary allocation (Capital cost):	Rs 4500000/-
	Budgetary allocation (O & M cost):	Rs 20000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	It is proposed to store the quantity with single layer of 5 mts height, 100 mts length & 20mts width with 30º slope. On maturity of dump capacity, it will be stabilized by plantation. 31751 MT Mineral reject as Over burden
	Disposal of the construction waste debris:	NA

Waste generation in the operation Phase:	**Dry waste:**	Over burden waste – 31751 MT
	Wet waste:	Used Oil 1 KL/Month
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	50 Kg/Day
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Over burden will be dumped in the mining lease area
	Wet waste:	CPCB/SPCB Authorized processor and recycler
	Hazardous waste:	CPCB/SPCB Authorized processor and recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	CHWTSDF
	Others if any:	NA
Area requirement:	**Location(s):**	M.L area
	Area for the storage of waste & other material:	M.L area
	Area for machinery:	STP plant already installed and E.T.P. will be installed as per based on requirement
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 43 Lakhs
	O & M cost:	Rs 3 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Spent Oil	5.1	-	1 KLD	2 KLD	3 KLD	CPCB /SPCB authorized processor and recycler
2	Chemical sludge from waste water treatment	34.3	-	50 Kg/D	50 Kg/D	100 Kg/D	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1500 KVA	HSD and as per requirement	1	30	0.398	Maintaining CPCB Norms

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	As per requirement	As per requirement	As per requirement
41.Source of Fuel		Provide by Authorized person		
42.Mode of Transportation of fuel to site		Trucks		

43.Green Belt Development	**Total RG area :**	28.24 Ha will be planted
	No of trees to be cut :	NA
	Number of trees to be planted :	42410
	List of proposed native trees :	Neem, Shisham, Amaltas Mango, Karanj,Pipal ,Sagwan ,Bel ,Siras
	Timeline for completion of plantation :	Life of the Mine

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	10410	Pollution tolerant & Medicinal
2	Dalbargia Sisso	Shisham	4000	Pollution tolerant & Medicinal
3	Cassia fistula	Amaltas	3000	Pollution tolerant & Medicinal
4	Mangifera Indica	Mango	6000	Pollution tolerant & Medicinal
5	Pongamia Pinnata	Karanj	5000	Pollution tolerant
6	Ficus religious	Pipal	4000	Pollution tolerant & Medicinal
7	Tectona grandis	Sagwan	3000	Pollution tolerant & Medicinal
8	Aegel marmelos	Bel	3000	Pollution tolerant & Medicinal
9	Albizzia Sp.	Siras	4000	Pollution tolerant
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 :**	M.S.E.B.C. 11 KV Line is provided up to village Khapa and near manganese deposit of gumgaon area.
	During Construction Phase: (Demand Load)	As per requirement
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	As per requirement
	During Operation phase (Demand load):	As per requirement
	Transformer:	As per requirement
	DG set as Power back-up during operation phase:	As per requirement
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	As per requirement

48.Energy saving by non-conventional method:

A Grid connected 5MW Solar Power Project at Munsar Mine expected to be commissioned in Nov.18. Electricity generated from this Plant will be used as captive at Gumgaon, Kandri and Chikla.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Reduction in running hours of compressor	0.74 Lakh kWh
2	Reduction in consumption by replacing C & S plant BC2 conventional light with 15 W LED	0.07 Lakh kWh
3	Reduction of consumption by introducing transparent roof sheet at substation /compressor ZZ house /generator house building	0.03 Lakh kWh
4	Saving of KWH due to introduction of natural ventilator at roof	0.16 Lakh kWh

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Mining ,Loading and unloading .transportation of Minerals	Dust suppression and Plantation	All Environmental mitigation measures will be done as per MPCB.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 50 lakhs
	O & M cost:	Rs 20 lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	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	Pollution Control	Garland Drain, Water sprinkler, retaining walls)	25	10
2	Pollution Monitoring	Air, soil, Water, Noise	10	5
3	Occupational Health	Medical check	10	5
4	Green Belt	Plantation	25	10

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
Own Magzinefor storage of Explosive	Explosive Licence No. E/HQ/MH/22/483/ (E-33527	Within Lease	4500 KG	4500 KG	3000 KG	1. SBL Energy, Nagpur 2. Premiere Exp Ltd., Nagpur	Manual transport from Magzine to mine by explosive container

52.Any Other Information

No Information Available

53.Traffic Management

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

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B-1, Project activity -1(a)
	Court cases pending if any	No
	Other Relevant Informations	I. The proposal of Expansion of Gumgaon Manganese mining project belonging to the MOIL Limited is for mining of Manganese mineral with enhancement of production capacity from 90,000 MTPA to 2,03,200 MTPA in the mining lease area of 85.896 ha. II. The project was earlier presented to MoEF for grant of Environmental Clearance at project involves both expansions in ML area and production capacity of existing Gumgaon Underground Mine. The Environmental Clearance was granted vide J-11015/77/2003-IA.II (M) dated 6/12/2004. III. The Gumgaon Mine comprises of three leases- Lease I- 48.5960 Ha, Lease II- 1.33 Ha and Lease III- 35.97 Ha. in Saoner Tehsil, Nagpur District, Maharashtra. Lease was granted in favor of MOIL for 20 Year and hence expiry of lease is 30/06/2022 for Lease-I, 23/02/2014 for Lease-II and 29/06/2020 for Lease-III. IV. Composite scheme of mining & PMCP for all the leases was approved vide letter No. NGP/MN/MPLN-258/NGP. Dated 09/07/2013. V. The Consent is granted for a period upto30/06/2020 – consent order no. BO/JD(APC)EIC No.:12710/13474-15/R/CC-4324 on dated 29/03/2016. VI. The proposed Manganese mining area of 85.896 Hectare (ha) in Gumgaon, Khapa, Rajna and Tegai Village, Saoner Tehsil, Nagpur District, Maharashtra the Lease deed for Mining Lease has been issued to MOIL over an area of 85.896 ha. in village Gumgaon, khapa, Rajna and Tegai, Tah.: Saoner of Dist: Nagpur of Maharashtra State, by Government of Maharashtra vide letter number MMN-1005/C.R.777/Ind-9,dated 11.05.2007 Corrigendum dated 15/04/2008 (For Lease I – 48.596 Ha), MLV-N-984/2015/3023 dated 21/10/2015(For Lease II– 1.33 Ha),MMN 2280/127045(2785)IND.9 dated 20/06/1986 corrigendum dated 23/01/1987 & extended up to 29/06/2050 vide letter no.MLV-N/256/2017/1171 dated 15/05/2017(For Lease III: 35.97 Ha). VII. Scheme of Mining over an area of 85.896 ha of ML in favor of MOIL in Village Gumgaon, Khapa, Rajna and Tegai Tah: Saoner, Distt. Nagpur, Maharashtra State. Approved of Scheme in respect of Manganese ore deposit of Moil Ltd. is vide letter no. NGP/MN/MPLN-258/NGP-2017 on dated 20.06.2017 Lease-I, NGP/MN/MPLN-361/NGP-2017 on dated 07.06.2017 Lease-II & NGP/MN6/MPLN-4013/NGP-2017 on dated 12.07.2017 Lease-III, over an area of 85.896 ha. situated in village- Gumgaon, Khapa, Rajna & Tegai, Tehsil Saoner, District Nagpur of Maharashtra State.
	Have you previously submitted Application online on MOEF Website.	Yes

	Date of online submission	16-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	No industrial effluent will be generated from the proposed activity. PP proposes to provide anaerobic treatment for the domestic waste water.
Drainage pattern of the project	PP considered the contour levels while designing the storm waster drainage.
Ground water parameters	PP to obtain permission from the CGWA for ground water withdrawal.
Solid Waste Management	PP shall not dump any over burden out side the mine area and ensure its storage at the designated place as shown in the layout plan.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site. PP to prepare adequate capacity approach roads to the proposed mine area so as to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident. PP to plant trees along the road.
Energy Management	Not Applicable
Traffic circulation system and risk assessment	PP to provide adequate strength roads for the movement of vehicles.
Landscape Plan	PP to develop 7.5 meter wide green belt along the periphery of the mine area. PP to undertake plantation on vacant places in the premises.
Disaster management system and risk assessment	PP to provide First Aid facility at the proposed mining site.
Socioeconomic impact assessment	PP to provide maximum employment to the local people.
Environmental Management Plan	PP proposes Rs. 70.00 Lakh as capital EMP cost and, Rs. 30.00 Lakhs as recurring cost for the maintenance of environmental parameters during operation phase.
Any other issues related to environmental sustainability	PP to obtain all necessary NOC's/Permissions from the competent Authority before commencing any work on proposed site.

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 1(a)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in 158th B meeting held on 04.01.2019 wherein ToR was granted to the PP with following additional points,

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

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

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

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

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

PP to submit certified copy of compliance of earlier No. J-11015/77/2003-IA.II (M) dated 06.12.2104 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017.

During deliberations it was observed that, PP planned benificiation of the minerals on site which fall under the category 2(b) which is not mentioned by PP in their application. PP to make necessary changes in the Consolidated Statement.

1. PP to calculate ecological foot print of propsoed mining activity along with mitigation measures; PP to inlcude same in the EIA report.

2. PP to submit details about total beneficiation involved in the proposed activity.

3. PP to submit approved mining plan incorporating survey numebrs, gat Nos etc. in the mining plan.

4. PP to attach all lease agreements to the EIA reprot.

5. PP to conduct study on the impact of drilling/ blasting on the surrounding environment including biodoversity and include the same in EIA report.

6. PP to include impact of blasting on the hydrology of the area along with mitigation measures and include the same in EIA report.

7. PP shall not take effective steps on site after expiry of exisitng lease period till PP obtain extension of lease from the competent Authority.

8. PP to include details of legal requirements under various Acts and Ruels apploicable to the proposed project, current staus of complaince and proposed plan of activities along with time schedule to fulfil all legal requirements.

9. PP to submit details of waste management plan in the EIA reprot including handling, storage and dispsoal of over burdon.

Now PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC

During deliberations, PP informed that there will be no mineral benificiation.

Public Hearing was conducted on 30.08.2019.

After detailed deliberations with the PP and their accredited consultant SEAC-1 decided to recommend the proposal for prior Environemntal Clearance subject to the following conditions.

Specific Conditions by SEAC:

1) PP to carry out drilling and blasting as per prevailing rules and after obtaining requisite permissions from the competent Authority.
2) PP to ensure wet drilling or drilling with with dust extractor.
3) PP to provide all necessary personal protective equipments to the employees so as to reduce incidents/accident.
4) PP to monitor the levels of the Manganese in the mine water /run off water and OB dump run off and ensure proper treatment before discharge to meet prescribed standards.
5) PP to provide maximum employment to the local people.
6) PP to explore possibility to use crush sand, bottom ash, manufactured sand for back filling instead of the river sand.
7) PP to implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated01.05.2018.

FINAL RECOMMENDATION

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

172nd Meeting of State Level Expert Appraisal Committee – 1 (SEAC-1) (Day - 2)

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Uma Barrage Project

Is a Violation Case: No

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Uma Barrage Project
2.Type of institution	Government
3.Name of Project Proponent	Water Resourcec Department
4.Name of Consultant	NEERI Nagpur
5.Type of project	Irrigation Project
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	Across River Uma Near Village Borta
9.Taluka	Murtizapur
10.Village	Borta
11.Whether in Corporation / Municipal / other area	Other
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	2372300000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable

24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	5.00 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Dam / Barrage	0.00	20.79 McuM	20.79 MCuM

32.Total Water Requirement

Dry season:	**Source of water**	River
	Fresh water (CMD):	51
	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**	River
	Fresh water (CMD):	51
	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**
Fresh water requirement	51	51	51	0	0	0	0	0	0

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

35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	Not applicable
	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:**	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel	Fuel Station
42.Mode of Transportation of fuel to site	Utility Vehicle

43.Green Belt Development	**Total RG area :**	4.18 Ha
	No of trees to be cut :	96
	Number of trees to be planted :	200
	List of proposed native trees :	Azadirachta Indica
	Timeline for completion of plantation :	2020

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta Indica	Neem	50	Medicinal Plant
2	Albizia lebbeck	Siras	130	Ecological
3	Mangifera indica	Aam	20	Fruit
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 :**	Diesel Gnerator Set
	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:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not applicable	Not applicable	Rs. 10.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	Not applicable	Not applicable	Not applicable	Not applicable

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for prior Environment Clearance. Earlier SEAC considered the proposal in their 116th meeting and identified a violation. Environment Department conducted hearing.

SEAC deliberated the issue with PP at length. SEAC also went through the Notification dated 16.03.2017 issued by MoEF&CC regarding procedure to be followed in case of violation cases. It mentions as below'

Para 13(4)1

"The cases of violation will be appraised by respective sector Expert Appraisal Committees constituted under subsection (3) of Section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safeguards; and in case, where the finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law."

Para 14

"The projects or activities which are in violation as on date of this notification only will be eligible to apply for environmental clearance under this notification and the project proponents can apply for environmental clearance under this notification only within six months from the date of this notification."

In view of above, SEAC advised PP to apply to the MoEF as per Notification dated 16.03.2017 and decided to refer the proposal to SEIAA.

Now as per Notification issued by MoEF&CC dated 08.03.2018 PP requested to consider the proposal in SEAC.

PP submitted an application under "violation" category as per Notification issued by MoEF&CC dated 08.03.2018.

The chronology of the project is as below,

1. PP started work on 16.05.2009

2. PP submitted their application for prior Environment Clearance on 24.07.2008

3. SEAC granted ToR on 07.03.2009

4. Public Hearing was conducted on 06.10.2012

5. PP submitted EIA/EMP report on 10.02.2015

6. PP made presentation before SEAC on 15.12.2015 wherein violation was detected.

7. PP received stop work on 23.01.2017

The provisions of Notification dated 08.03.2018 are as below,

"(4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3)

of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which

can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under

category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.";

"(5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.";

During deliberations PP requested as below,

As EIA and EMP as well as public hearing report are already prepared, it is submitted that SEAC-1 may kindly consider not discarding these reports because of following reasons,

(a) The works of project along the dam line is yet to be completed, and no water storage has been created. As such there is no change in river flow patternS,and hence no change in the baseline data has taken place since preparation of EIA and EMP.

(b) The land use pattern has not been altered by the works of the project carried out so far.

(c) The project is coming up in the area of the State which is the most backward in so far as irrigation facilities are concerned. This area also records high incidence of farmer suicides.

(d) Public money to the tune of Rs. 262.00 Cr stands invested on the project.

Preparing EIA and EMP afresh would inevitably delay the project further by at least one more year, which would be against larger public interest.

It is requested that the SEAC-1 may kindly prescribe specific ToR for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and direct recasting EIA & EMP Reports (including Public Hearing Reprot) submitted earlier, by incorporating in the ecological damage, remediation plan etc. as a seperate chapter, as contemplated in the Notification dated 08.03.2018.

In view of above request from PP(this being a Government Project) , SEAC in larger public interest decided to grant additional and specific ToR points for making necessary changes in the EIA/EMP reprot as per Notification dated 08.03.2018.

After detailed discuisson with the PP and their accredited consultant SEAC is of the opinion that no fresh public hearing is required as it was already conducted.

With this view, SEAC refers the proposal to SEIAA for approval as above and /or further guidelines in the matter.

The proposal was considered by the SEIAA in their 134th meeting held on 30.07.2018 wherein followin gdecision was taken,

"SEIAA acknowledged and approved that no fresh public hearing is required as it was already conducted. The proposal was referred back to the SEAC-1 for further appraisal."

Based on the SEIAA's direction the proposal was considerd in the 162nd meeting of SEAC-1 held on 25.02.2019 wherein following was decided,

"PP informed that, they have changed the consultant from NEERI, Nagpur to the Ualtra Tech Environment Consultancy and Laboratory, Thane, Maharashtra.

During deliberations, it was observed that, PP was not having adequate information with respect to the EIA reprot, Damage Assessment, remediation plan etc. PP also need to make several changes in the consolidated statement and submit revised information to the committee for appraisal.

In view of above, SEAC- 1 decided to defer the proposal till PP submits revised information as mentioned above."

The proposal was again considered in the 167th meeting of SEAC-1 held on 11.07.2019 where in the proposal was deferred till submission of compliance of follwing points.

1. PP to submit NOC from the earlier accredited consultant NEERI to change the it to new consultant M/s Ultra tech Environmental Consultancy and laboratory.

2. PP to submit copy of forest clearance for the area of 4.18 Ha. which is to be submerged in the proposed project.

3. PP also to ensure that, all trees proposed to be submerged in the proposed project are removed so as to prevent anaerobic condition after filling of the barrage due to decomposition of wood.

4. PP to submit detailed report on ecological damage assessment including construction onsite and other environmental attributes. The report shall give quantitative inference of the damage occurred to the environment with back up calculations.

5. PP to prepare a remediation plan based on the ecological damage assessed and the points given in the standard ToR issued by MoEF&CC. PP shall bifurcate each proposed remediation activity along with its cost and time line for its completion.

6. PP to prepare natural and community resource augmentation plan corresponding to the ecological damage assessed and shall bifurcate each proposed remediation activity along with its cost and time line for its completion.

7. PP to submit details quantification of economic benefits derived due to violation along with back up calculations.

8. PP to prepare an EMP comprising of all above points along with time lines to implement proposed remediation measures etc.

9. PP to include all above in the EIA report and submit revised EIA/EMP report.

10. PP also to use approach paper issued by SEIAA for the identification of ecological damage and preparation of remediation and augmentation plan.

11. PP to include details of disposal of excavated spoils and its impact on the surrounding environment in the EIA report.

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

13. By doing above PP shall come out with exact ecological damage caused due to violation, their remediation and natural and community resource augmentation plan and cost required to execute the plan on field.

Now, PP submitted the compliance of the above points.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to obtain forest clearance for the area of 4.18 ha. which is proposed to be submerged in the proposed project.
2) PP to submit plan for plantation of 90000 indigenous trees with the provision of drip irrigation along with the provision of funds.
3) PP to submit revised report on ecological damage assessment including construction onsite and other environmental attributes. The report shall give quantitative inference of the damage occurred to the environment with back up calculations.
4) PP to prepare a remediation plan based on the ecological damage assessed and the points given in the standard ToR issued by MoEF&CC. PP shall bifurcate each proposed remediation activity along with its cost and time line for its completion.
5) PP to prepare natural and community resource augmentation plan corresponding to the ecological damage assessed and shall bifurcate each proposed remediation activity along with its cost and time line for its completion.
6) PP to submit details quantification of economic benefits derived due to violation along with back up calculations.
7) PP to prepare an EMP comprising of all above points along with time lines to implement proposed remediation measures etc.
8) PP to include all above in the EIA report and submit revised EIA/EMP report.
9) PP also to use approach paper issued by SEIAA for the identification of ecological damage and preparation of remediation and augmentation plan.
10) PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

172nd Meeting of State Level Expert Appraisal Committee – 1 (SEAC-1) (Day - 2)

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Environment Clearance for Expansion of Sugarcane crushing capacity from 9000 TCD to 15000TCD, Distillery capacity from 60 KLPD to 90 KLPD (Rectified Spirit/ENA/Ethanol) and establishment of 21 + 5 MW Co-generation Power Plant

Is a Violation Case: No

1.Name of Project	Proposed Expansion of Sugarcane crushing capacity from 9000 TCD to 15000TCD, Distillery capacity from 60 KLPD to 90 KLPD (Rectified Spirit/ENA/Ethanol) and establishment of 21 + 5 MW Co-generation Power Plant at Dattanagar, Tal. Shirol, Dist. Kolhapur, Maharashtra by Shree Datta Shetkari Sahakari Sakhar Karkhana Limited
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Datta Shetkari Sahakari Sakhar Karkhana Limited
4.Name of Consultant	Dr. Subbarao's Environment Center, Sangli
5.Type of project	Other/Expanision
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Manufacturing Capacity
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Received Environment Clearance for 1. Sugar Unit Vide Letter No. SEIAA-EC-0000000326 Dated 1st June 2018 and 2. for Distillery Unit, F. No. J-11011/33/2001-IA II(I) dated 11th December 2001
8.Location of the project	Agar bagh- 343 to 352, 354, 361 shirol- 251, 252, 717, 903, 129, 133/2, 135, 134, 136, 210, 213, 214, 230, 229, 232 to 237, 242, 246+241, 247 to 249, 127, 131
9.Taluka	Shirol
10.Village	Dattanagar, Shirol
Correspondence Name:	Mr. Vishwajit Shinde
Room Number:	A/p. Dattanagar, Tal. Shirol
Floor:	Dist. Kolhapur
Building Name:	Maharashtra State
Road/Street Name:	Shirol
Locality:	Shirol
City:	Shirol, Kolhapur
11.Whether in Corporation / Municipal / other area	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 46100
13.Note on the initiated work (If applicable)	Work shall be initiated as soon as the approval of EC is received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	854600 m2
16.Deductions	Not Applicable
17.Net Plot area	854600 (m2)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 46100
	b) Non FSI area (sq. m.): 50000
	c) Total BUA area (sq. m.): 96100
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 46100
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 29-06-2019
19.Total ground coverage (m2)	46100
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	5.4

21.Estimated cost of the project	2702300000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not Applicable
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Minimum road width provided is 6 meters.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 meter turning radius is provided for all the roads for movement from all around the building excluding width for the plantation
29.Existing structure (s) if any	Manufacturing area, Storage area, ETP, STP, Utilities, Distillery building, Compost yard etc.
30.Details of the demolition with disposal (If applicable)	No Demolition of building is involved. New buildings shall be constructed. The wastage if any shall be used for filling low lying areas.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	33750	24750	58500
2	Industrial Alcohol	1800	900	2700
3	Ethanol	900	1800	2700
4	Co-generation Power	0 MW	21 MW + 5 MW	21 MW + 5 MW

32.Total Water Requirement

Dry season:	**Source of water**	Surface Water- Panchaganga River
	Fresh water (CMD):	5161
	Recycled water - Flushing (CMD):	4396 (Into Sugar and Distillery Processes)
	Recycled water - Gardening (CMD):	84
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	681
	Fire fighting - Underground water tank(CMD):	3712
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Surface Water- Panchaganga River
	Fresh water (CMD):	5161
	Recycled water - Flushing (CMD):	4396 (Into Sugar and Distillery Processes)
	Recycled water - Gardening (CMD):	84
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	681
	Fire fighting - Underground water tank(CMD):	3712
	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	106	0	106	22	0	22	84	0	84
Industrial Process	2310	1895	4205	910	730	1640	1400	1165	2565
Cooling tower & thermopack	400	450	850	320	360	680	80	90	170

Fresh water requirement	00	681	681	00	00	00	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon from 15 m to 8 m and Post-Monsoon from 12 m to 6 m
	Size and no of RWH tank(s) and Quantity:	10 Nos 40 m3 Each
	Location of the RWH tank(s):	Near Each Building
	Quantity of recharge pits:	8
	Size of recharge pits :	7.5 m * 4 m * 1.5 m
	Budgetary allocation (Capital cost) :	4000000
	Budgetary allocation (O & M cost) :	200000
	Details of UGT tanks if any :	10* 40 m3 Each
35.Storm water drainage	**Natural water drainage pattern:**	Plain
	Quantity of storm water:	220800 m3
	Size of SWD:	0.3 m
Sewage and Waste water	**Sewage generation in KLD:**	84 m3/day
	STP technology:	Root zone Technology
	Capacity of STP (CMD):	1 * 100 m3/day
	Location & area of the STP:	Near Residential Colony
	Budgetary allocation (Capital cost):	1000000
	Budgetary allocation (O & M cost):	50000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Waste
	Disposal of the construction waste debris:	Used in filling low lying area
Waste generation in the operation Phase:	**Dry waste:**	Incinerator boiler ash, Fly ash
	Wet waste:	Pressmud
	Hazardous waste:	Spent oil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Nil
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Treated in composting/Sold to brick manufacturers
	Wet waste:	Treated in composting
	Hazardous waste:	Mixed with bagasse and burnt in boiler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Compost Yard
	Area for the storage of waste & other material:	10 Ha
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	40000000
	O & M cost:	400000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	4.5-5.5	6.5-8.0	5.5-9.0
2	COD	mg/l	2500-5000	50-150	250
3	BOD	mg/l	1000-3000	20-70	100
4	Sulphates as SO4	mg/l	100-500	50-150	1000
5	Total Suspended Solids	mg/l	500-1000	40-70	100
6	Chlorides	mg/l	150-500	50-200	600
7	Total Dissolved Solids	mg/l	1000-2000	300-600	2100
8	Oil and Grease	mg/l	15-20	0-3	10

Amount of effluent generation (CMD):	1. 900 m3/day -Sugar and Cogeneration Effluent, 2. 1500 m3/day Spraypond overflow, 3. 160 m3/day fro 60 KLPD Distillery and 80 m3/day from 30 KLPD Distillery
Capacity of the ETP:	1&2. 2400 m3/day for the treatment of Sugar and Co-generation effluent and Spraypond overflow. 3. 200 m3/day for 60 KLPD Distillery and 100 M3/day for 30 KLPD Distillery
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	1. Primary treatment as anaerobic filter and for seconday treatment MBBR media shall be installed in the existing aeration tank, sludge drying bed followed by clarrier followed by sand and activated charcoal filter 2. Combined with sugar effluent after primary treatment. 3. for 60 KLPD Distillery MEE followed by Incineration boiler and for 30 KLPD distillery MEE followed by Composting
Disposal of the ETP sludge	Disposed in Composting

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	MTA	3	2	5	Mixed with Bagasse and burnt in boiler

2	Chemical sludge from waste water treatment	5.0	MTA	55	25	80	Disposed in Composting

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	Co-generation Power Plant (120 TPH Boiler)	Bagasse (1152 MT/D)	1	70	4.0	125
2	Distillery Unit (25 TPH Incineration Boiler with 5 MW TG Set)	Conc. Spentwash- 216 MT/D and Coal- 43.2 MT/Day	1	70	4.0	180

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	0	1152 MT/Day	1152 MT/Day
2	Coal	0	43.2 MT/Day	43.2 MT/Day
3	Concentrated Spentwash	0	216 MT/Day	216 MT/Day
41.Source of Fuel		Bagasse: Captive (Sugar Unit), Coal: Open Market, Concentrated Spentwash: Captive (Sistillery Unit)		
42.Mode of Transportation of fuel to site		Coal: By Road		

43.Green Belt Development	**Total RG area :**	296400
	No of trees to be cut :	00
	Number of trees to be planted :	2000 (Existing 44500 no. trees)
	List of proposed native trees :	Provided in EMP
	Timeline for completion of plantation :	Already Developed

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Bel	190	Control Noise level, Dust Controller
2	zardirachta indica	Neem	165	Control Noise level, Absorb Gas Emission ,Dust Controller
3	Delbergia sissoo	Shesham	150	Dust Controller
4	Fecus Bengalensis	Banyan, Vad	90	Control Noise level, Dust Controller
5	Ficus religiosa	Peepal	155	Control Noise level, Absorb Gas Emission ,Dust Controller
6	Syzygium cumini	Jamun	205	Control Noise level, Dust Controller
7	Tamarindus indica	Emali	220	Control Noise level, Dust Controller
8	Morus alba	Shetur	195	Dust Controller

9	Terminalia arjuna	Arjun	202	Control Noise level, Absorb Gas Emission ,Dust Controller
10	Phoenix sylvestris	Palm	208	Dust Controller
11	Anona squamosa	Sitafal	230	Dust Controller
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	Lantana Camara	5	50
2	Capparis decidua	5	50
3	Calotropis gigantea	5	50
4	Datura wrightii	5	50
5	Ipomoea carnea	3	50
6	Roystonea regia	5	50
7	Ficus benjamina	3	50
8	Cycas rivoluta	3	50
9	Ziziphus mauritiana	5	50

47.Energy

Power requirement:	**Source of power supply :**	Captive
	During Construction Phase: (Demand Load)	Nil
	DG set as Power back-up during construction phase	1*500 KVA
	During Operation phase (Connected load):	21 + 5 MW
	During Operation phase (Demand load):	18.7 MW
	Transformer:	2000 KVA
	DG set as Power back-up during operation phase:	1* 500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Yes, 33 MW

48.Energy saving by non-conventional method:

Solar Street Lamps shall be provided.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	1 %
2	Solar Street Lights	5%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sugar and Co-generation Process Effluent	Primary and Secondary Treatment	Primary treatment as anaerobic filter and for secondary treatment MBBR media shall be installed in the existing aeration tank, Sludge drying bed followed by clarifier followed by sand and Activated charcoal filter
Spraypond Overflow	Primary and Secondary Treatment	Combined with Sugar effluent after primary treatment
Existing 60 KLPD Distillery Spentwash	MEE followed by Composting	MEE Followed by Incineration Boiler
Proposed 30 KLPD Distillery Spentwash	NA	MEE followed by Composting

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	4000000
	O & M cost:	500000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Fugitive Emissions	Particulate Matter	10

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sugar and Co-generation Power Plant	Liquid and Gaseous Pollutants	500	70
2	Distillery	Liquid and Gaseous Pollutants	3000	100
3	Monitoring of various ETP Parameters	laboratory	50	5
4	Greenbelt Development	Planting and maintenance of trees	--	8
5	Monitoring and Consultancy Charges (3rd Party)	Environmental Monitoring as per EMP	--	16
6	Occupational Health	Personal Protective equipment	--	5.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	12 Ha
	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:	Trucks and Bullock Carts
	Width of all Internal roads (m):	10-15 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category-B
	Court cases pending if any	Nil
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-06-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.

Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP provided Effluent Treatment Plant. PP proposes to provide Sewage Treatment Plant for the treatment of domestic sewage.
Drainage pattern of the project	The drains are provided considering the contour of the plot.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits.
Solid Waste Management	PP proposes construction waste to be used for filling low lying areas, Boiler and incineration sh will be used for brick manufacturing and waste oil will be mixed with bagasse and will be burnt in the boiler.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality are within the prescribed limits at project site. PP to identify the sources of noise pollution and take measures to reduce noise level on site like provision of acoustic enclosures, isolation of noise making equipments, etc.
Energy Management	The maximum energy demand will be 18.7 MW which will be met by Captive Power plant. PP proposes one DG set of capacity 500kVA
Traffic circulation system and risk assessment	PP proposes minimum six meter wide raods with nine meters turning radius.
Landscape Plan	PP proposes to develop 33% green belt.
Disaster management system and risk assessment	PP prepared DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.10 Lakhs during construction phase, 3550 Lakh as capital cost and Rs. 204 Lakh as O & M cost to maintain environmental parameters during operation phase.
Any other issues related to environmental sustainability	PP to make efforts on priority to bring 100% sugar cane cultivation under drip irrigation. PP to implement their plan in letter and spirit for sugar cane productivity enhancement.

Brief information of the project by SEAC

PP obtained ToR from EAC, MOEF&CC vide letter No. J-11011/33/2001-IA II(I) dated 29.11.2018.

Public Hearing exempted by the EAC, MoEF&CC.

PP submitted EIA/EMP report in the 168th B meeting of the SEAC-1 wherein the proposla was deferred till submission of the compliance of the follwing points,

1. PP to make necessary changes in the Consolidated Statement in consonance with the ToR granted by the EAC, MoEF&CC.

2. PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

3. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.

4. PP to include detailed water balance calculations in the EIA reports with respect to the existing activities and proposed activities.

5. PP to include design details of the ETP in the EIA report.

6. PP to include separate chapter on the cane development plan for the fulfillment of proposed crushing capacity. PP to explore possibilities of introducing new technologies and package of practices including drip irrigation.

7. PP to submit agreement executed with the Irrigation Department for lifting of water from Panchaganga River.

8. PP to include bagagse balance in the EIA reprot

9. PP to carry out socio economic impact of the proposed project in the area and include chapter in the EIA report on Human and Land health along with proposed mitigation measures if any.

10. PP to submit revised EIA/EMP report for appraisal including above points.

11. PP to ensure that, the uniform information is given in the Form-I/II, EIA/EMP report, presentation and consolidated statement.

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

Now PP submitted that compliance of the above points.

DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant, SEAC-1 decided recommend the proposal for prior Environmental Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

1) PP to prepare and implement year wise plan to achieve 100% drip irrigation for the area under sugar cane cultivation.
2) PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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

172nd Meeting of State Level Expert Appraisal Committee – 1 (SEAC-1) (Day - 2)

SEAC Meeting number: 172 **Meeting Date** November 22, 2019

Subject: Environment Clearance for Proposed project for expansion in existing products & addition of new products for manufacturing of Active Pharmaceutical Ingredients & intermediates by Auro Laboratories Limited at Plot No.: K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506.

Is a Violation Case: No

1.Name of Project	Proposed project for expansion in existing products & addition of new products for manufacturing of Active Pharmaceutical Ingredients & intermediates by Auro Laboratories Limited at Plot No.: K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Siddhartha Deorah, Auro Laboratories Limited
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Active Pharmaceutical Ingredients & intermediates
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.Environmental Clearance is not required for existing activity as after establishment Auro have not done any expansion after EIA notification 2006.
8.Location of the project	Plot No. K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506
9.Taluka	Palghar
10.Village	Salvad
Correspondence Name:	Mr. Siddhartha Deorah
Room Number:	314
Floor:	Not Applicable
Building Name:	T. V. Industrial Estate
Road/Street Name:	S. K. Ahire Marg
Locality:	Worli
City:	Mumbai
11.Whether in Corporation / Municipal / other area	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 6420
13.Note on the initiated work (If applicable)	For proposed expansion work will be initiated after getting EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	4280 Sq. Mtr.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 6420
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 2775.48
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 6420
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 01-04-2019
19.Total ground coverage (m2)	1198.86 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.01
21.Estimated cost of the project	267900000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Existing building having admin, store & QC dept. will be demolished to align the expansion project properly.
30.Details of the demolition with disposal (If applicable)	Details are provided in EIA report as Annexure XII.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Metformin	60 MT/A	(-) 60 MT/A	0
2	Metformin HCL & Metformin HCL DC	Not Applicable	9600 MT/A	9600 MT/A
3	Chlorphenamine Maleate	Not Applicable	12 MT/A	12 MT/A
4	Glimepiride	Not Applicable	1.2 MT/A	1.2 MT/A
5	Glipizide	Not Applicable	1.2 MT/A	1.2 MT/A
6	Gliclazide	Not Applicable	1.2 MT/A	1.2 MT/A
7	Glibenclamide	Not Applicable	1.2 MT/A	1.2 MT/A
8	Chloroxazone	Not Applicable	120 MT/A	120 MT/A
9	Total	60 MT/A	9676.8 MT/A	9736.8 MT/A

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	4.0	1.0	5.0	01.0	0.2	1.2	3.00	0.8	3.8
Industrial Process	16	23	39	1	1	2	15	22	37
Cooling tower & thermopack	9.0	137.0	146.00	5.0	129.0	134.0	4.0	8.0	12.0
Gardening	1.0	7.0	8.0	1.0	7.0	8.0	0.0	0.0	0.0

Fresh water requirement	30.0	168.0	198.0	8.0	137.2	145.2	22.0	30.8	52.8
Fresh water requirement	Additional steam condensate from MEE	--	--	--	--	--	--	--	5.28
Fresh water requirement	Water Recycled	58.08 (52.8+5.28)	--	--	--	--	--	--	--
Fresh water requirement	Total fresh water required 2nd day onwards	139.92	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 to 10 m
	Size and no of RWH tank(s) and Quantity:	Rain water will be collected in existing raw water tank of 100 m3
	Location of the RWH tank(s):	UG water Tank – Near ETP
	Quantity of recharge pits:	Not applicable as collected water will be reused.
	Size of recharge pits :	Not applicable as collected water will be reused.
	Budgetary allocation (Capital cost) :	Already included in capital cost
	Budgetary allocation (O & M cost) :	Already included in capital cost
	Details of UGT tanks if any :	Water Tank – Existing- 1 No.: 100 M3, proposed fire water tank-1 No.: 100 M3
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains will be provided as per natural slopes.
	Quantity of storm water:	190 mm of rain fall per hr, 0.5 runoff coeff.= 111.72 m3/hr., 0.031 m3/s
	Size of SWD:	0.4 m x 0.35 m x 0.4 m
Sewage and Waste water	**Sewage generation in KLD:**	3.8
	STP technology:	Domestic Sewage will be treated in secondary treatment of ETP as combined treatment.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Quantity will be provided at the time of EIA
	Disposal of the construction waste debris:	Within premises in low lying area
Waste generation in the operation Phase:	**Dry waste:**	• Hazardous Waste: • Discarded containers/barrels/HDPE bags – 1764 Nos./M, Non-Hazardous Waste: • Waste paper - 330 kg/A • Boiler Ash –118800 kg/A
	Wet waste:	• Hazardous Waste: • ETP Sludge – 23.61 TPA • MEE salts –13.38 TPA • Spent Carbon from process – 4.96 TPA ;• Process Residue – 7.92 TPA; • Spent Carbon from ETP- 7.78 TPA
	Hazardous waste:	• Hazardous Waste: • ETP Sludge – 23.61 TPA • MEE salts –13.38 TPA • Spent Carbon from process – 4.96 TPA • Process Residue – 7.92 TPA • Discarded containers/barrels& liners used for HW/Chemicals 1764 nos./M ; • Spent Carbon from ETP- 7.78 TPA • Non-Hazardous Waste: • Waste paper- 330 kg/A • Boiler Ash – 118800 kg/A
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	• E-Waste- 102 kg/A • Battery waste- 200.04 kg/A
Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse
	Wet waste:	CHWTSDF//To MPCB authorized recyclers
	Hazardous waste:	CHWTSDF/To MPCB authorized recyclers
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Sale to authorized dismantlers/Recyclers.
Area requirement:	**Location(s):**	Near ETP area
	Area for the storage of waste & other material:	Area for the storage of Hazardous waste 16 Sq.m.
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	27000
	O & M cost:	8.8 lacs/A

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.0-7.0	7.0-7.5	7.0-7.5
2	BOD3,27ºC	mg/lit	1500-1750	50-100	< 100
3	COD	mg/lit	3000-3500	100-200	< 250
4	TSS	mg/lit	400-500	<30	< 100
5	TDS	mg/lit	800-1000	500-700	< 2100

Amount of effluent generation (CMD):	Industrial: 49.00 CMD Domestic: 3.8 CMD
Capacity of the ETP:	60 CMD
Amount of treated effluent recycled :	58.08 CMD

Amount of water send to the CETP:	Not Applicable as this unit will be run on Zero Liquid Discharge (ZLD) Basis.
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Industrial Effluent 49.00 CMD including cooling tower & Boiler blow downs will be treated in primary treatment. Primary treated wastewater along with domestic waste water of 3.8 CMD will be subjected to two-stage biodegradation as secondary treatment. The outlet of the secondary treatment will be pumped to Pressure Sand Filter (PSF) followed by Activated Carbon Filter (ACF). This effluent is then passed through Reverse Osmosis (RO). RO permeate will be will be reuse/recycle. RO reject will be ev
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Process waste sludge / residue	28.1	T/A	0.048	7.7872	7.92	To CHWTSDF
2	ETP Sludge	35.3	T/A	1.8	21.81	23.61	To CHWTSDF
3	MEE salts	35.3	T/A	--	13.38	13.38	To CHWTSDF
4	Spent Carbon from ETP	35.3	T/A	--	7.78	7.78	To CHWTSDF
5	Spent Carbon from process	28.3	T/A	1.38	3.58	4.96	To CHWTSDF
6	Discarded containers/barrels/HDPE bags	33.1	Nos./M	--	1764	1764	Sale to authorized dismantlers / Recyclers.
7	Other waste:	--	--	--	--	--	--
8	E-Waste	--	Kg/A	25.2	76.8	102	Sale to authorized dismantlers/ Recyclers
9	Battery waste	--	Kg/A	62.4	137.64	200.04	Returned to battery manufacturer through authorized dealer on buy back procurement
10	Non-Hazardous Waste Details:	--	--	--	--	--	--
11	Waste paper	--	Kg/A	116.4	213.6	330	Sale
12	HDPE bags	--	Nos./year	28200 Nos. /year	102972 Nos. /year	131172 Nos. /year	Reuse/sale to authorized party
13	Boiler Ash	--	Kg/A	--	118800	118800	Sale to Brick Manufacturer/cement industry

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 – 2 nos. of 4 TPH (Proposed)	Briquettes 22 TPD	1	30	0.7	125°C
2	Thermopac – 100000 Kcal./hr. (Proposed)	LDO 800 lit/month	1	30	0.4	130°C
3	DG Set – 1000 KVA (Proposed)	HSD, 265 lit/hr. at full load	1	7 m above enclosure	0.2	140°C
4	Note: Existing FO fired boiler & existing DG set will be dismantled.	--	--	--	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquettes	Not Applicable	22 TPD	22 TPD
2	LDO	Not Applicable	800 lit/month	800 lit/month
3	HSD	Not Applicable	265 Lit/hr.at full load	265 Lit/hr.at full load
41.Source of Fuel		Local & Imported		
42.Mode of Transportation of fuel to site		Through truck/ tanker by Road		

43.Green Belt Development	**Total RG area :**	Existing: 200 sq.m Proposed: 1254 sq.m. Total: 1454 sq. m
	No of trees to be cut :	No
	Number of trees to be planted :	190 Nos. of Trees and Shrubs to be planted
	List of proposed native trees :	Arjun, Vad, Pimpal, Neem, Kadamb, etc.
	Timeline for completion of plantation :	With the construction of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjun	20	Pollution resistant and Native
2	Bauhinia racemosa	Apta	20	Pollution resistant and Native
3	Ficusbenghalensis	Vad	10	Pollution resistant and Native
4	Ficusreligiosa	Pimpal	15	Pollution resistant and Native
5	Ficuselastica	Rubber	10	Pollution resistant and Native
6	Plumeria Alba	Chafa	10	Pollution resistant and Native
7	Azadirachtaindica	Neem	20	Pollution resistant and Native
8	Cassia fistula	Bahava	25	Pollution resistant and Native
9	Neolamarckiacadamba	Kadamb	15	Pollution resistant and Native
10	Teminaliatomentosa	Ain	10	Pollution resistant and Native
11	Lagerstroemia speciosa	Taman	10	Pollution resistant and Native
12	Tectonagrandis	Teak	10	Pollution resistant and Native
13	Bauhinia purpurea	Kanchan	15	Pollution resistant and Native
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	Will be hired on rent from local vendor
	During Operation phase (Connected load):	1450 KW
	During Operation phase (Demand load):	1342 KW
	Transformer:	750 KVA
	DG set as Power back-up during operation phase:	1 DG set of 1000 KVA. Existing DG will be dismantled.
	Fuel used:	HSD 265 Lit/hr. at full load
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Auro is proposing roof top solar system for illumination of office buildings, street lights & parking areas
Power generation from Solar panel system- 14 kW.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar power	1.04 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Stack of adequate height	Multi-cyclone followed by Bag filter and Stack of adequate height
Water	ETP	ETP, RO & MEE
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Disposal to CHWTSDF	Disposal to CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	65000
	O & M cost:	Rs. 3000/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust	Air Pollution	1.00
2	Debris	Solid Waste	1.00
3	Construction equipment	Solid Waste	0.50

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Air pollution control	Provision of Multi-cyclone followed by Bag filter & Stack of adequate height	5	0.20
2	Water pollution control	Effluent Treatment Plant, RO & Multi Effect Evaporator	176.91	96.66
3	Noise pollution Control	Acoustic enclosure and regular maintenance	1	0.50
4	Occupational health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	4	3
5	Environmental Monitoring plan	Environmental Monitoring	--	2.108
6	Green belt	Development & Maintenance	0.5	0.2
7	Hazardous waste Storage & disposal	Storage, Transportation and disposal	0.27	8.8
8	Mitigation Measures for LCA (Installation of solar Panels)	--	0.65	0.03
9	Carbon Footprint Monitoring (Measures taken to reduce carbon footprint)	• Installation of solar Panels* for reduction of consumption of electricity which indirectly reduce carbon footprint. • Tree plantation*, Reduction of fuel consumption by using well efficient insulation to heating equipment.	0.55	0.014
10	Water Footprint Monitoring (Measures taken to reduce water footprint)	• Rain water harvesting & use of rain water in utilities & domestic • Recycle & reuse of treated waste water** in utilities Regular maintaince of equipments to reduce wastage of water due to leaks	0.5	0.2
11	Total	--	189.38	111.712

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
Dicyandiamide (DCDA)	Solid	warehouse	130	128.8	550	Local	By Road
Dimethylamine Hydrochloride (DMA HCL)	Solid	warehouse	150	141.4	606	Local	By Road
Xylene	Liquid	warehouse	50	50	25	Local	By Road
Toluene	Liquid	warehouse	1	0.70	3.6	Local	By Road
Cyanobase	Liquid	warehouse	0.50	0.10	0.6	Local	By Road
Caustic Potash Flakes	Solid	warehouse	0.50	0.05	0.25	Local	By Road
Malic Acid	Solid	warehouse	0.50	0.03	0.19	Local	By Road
IPA	Liquid	warehouse	1	0.40	1.88	Local	By Road
Polyvinylpyrrolidone K-30	Solid	warehouse	1.5	1.0	7.5	Local	By Road
Sodium Starch Glycollate	Solid	warehouse	1	0.80	3.6	Local	By Road
Maize Starch	Solid	warehouse	1	0.40	1.8	Local	By Road
Aerosil	Solid	warehouse	0.50	0.25	1.25	Local	By Road
Magnesium Stearate	Solid	warehouse	0.50	0.10	0.6	Local	By Road
Glimepiride Sulfonamide	Liquid	warehouse	0.50	0.02	0.16	Local	By Road
Potassium carbonate	Solid	warehouse	0.50	0.02	0.14	Local	By Road
Trans-4-methylcuclohexyl isocyanate	Solid	warehouse	0.50	0.15	0.80	Local	By Road
Liq. AMMONIA	Liquid	warehouse	0.50	0.04	0.2	Local	By Road
Glipizidesulfamide	Solid	warehouse	0.50	0.02	0.10	Local	By Road
Anhydrous potassium carbonate	Solid	warehouse	0.50	0.02	0.09	Local	By Road
Cychlohexylisocyanate	Liquid	warehouse	0.50	0.2	0.20	Local	By Road
N.Amino-3-Azabicyclo	Solid	warehouse	0.50	0.02	0.1	Local	By Road
Ethyl Acetate	Liquid	warehouse	0.50	0.07	0.37	Local	By Road
Acetonitrile	Liquid	warehouse	0.50	0.07	0.32	Local	By Road
Glibenclamidesufamide	Solid	warehouse	0.50	0.02	0.11	Local	By Road
Dimethyl formamide	Liquid	warehouse	0.50	0.10	0.6	Local	By Road
Caustic soda	Liquid	warehouse	0.50	0.05	0.23	Local	By Road
Activated Carbon	Solid	warehouse	0.50	0.1	0.42	Local	By Road
Methanol	Solid	warehouse	60	50	55	Local	By Road
Acetone	Liquid	warehouse	0.50	0.25	1.6	Local	By Road
HCL	Liquid	warehouse	0.50	0.10	0.48	Local	By Road
Methylene di chloride	Liquid	warehouse	0.50	0.30	1.4	Local	By Road
Chlorzoxazone	Solid	warehouse	1.5	1.00	1.00	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	219 Sq. Mtr.
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m. with turning radius of 9 m.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	5 (f) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-11-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

PP 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 during 158th meeting of SEAC-1 held on 02.01.2019 wherein ToR was granted to the PP for the preparation of EIA /EMP report along with additional points,

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

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

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

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

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

PP submitted EIA/EMP report in 165th meeting of SEAC-1 wherein the proposal was deferred till submisison of complinace of following points,

1. PP to submit revised layout showing vehicle movements plan, and adequate parking space within the plot area.

2. PP to submit revised contour map along with storm water drain and its calculations.

3. PP to submit detailed safety management plan to carry out safe demolition of existing structures along with necessary work permits procedures.

4. PP to include all the processes, activities in the HAZOP and submit revised HAZOP reports along with recommendations and proposed safety measures.

5. PP to submit detailed report on identified inland surface water baseline parameters in comparison with standard limits.

6. PP to submit point wise compliance of standard ToR points.

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

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

PP submitted compliance of above points in 168th meeting wherein PP requested to postpone the case.

DECISION OF SEAC

During deliberation it was also noticed that, the CPCB issued letter dated 25.10.2019 with reference to the Hon'ble NGT order dated 23.08.2019 and communicated the mechanism for environmental management of the Critically and Severely Polluted area and consideration of activities/projects in such areas in compliance to the Hon'ble NGT order dated 23.08.2019 in the matter of O.A. No. 1038/2018.

The mechanism for consideration of proposal for Environmental Clearance in the Critically and Severely Polluted area is mentioned as below,

para B : Consideration of proposals for grant of Environmental Clearance for new and expansion activities listed in the 'Red' and 'Orange' Categories located in the Critically Polluted Areas and Severely Polluted Areas:

i. Any project or activity specified in category B1 will be appraised at the Central level, if located in whole or in part within 5 km from the boundary of Critically Polluted Areas (CPA's) or Severely Polluted Areas (SPA's). However, Category B2 projects shall be considered at state level stipulating Environmental Clearance condition as applicable for Category B1 project/activities.

ii. Proposals located in CPAs and SPAs may be examined by the Sectorial Expert Appraisal Committee (EAC) during scoping/appraisal based on the CEPI scores of Air/Water/land Environment as published by CPCB from time to time. In such proposals, appropriate mitigation measures for the environment possessing higher score may be made bu EAC in the form of recommendations/decisions. These recommendations may be explicitly mentioned in the Terms of References/Environmental Clearance letter and to be ensured by the member secretary concerned.

The proposal under referenceis located in the Navi Mumbai area which is mentioned at Sr. No. 51 in the Hon'ble NGT order dated 10.07.2019 which will have to be now considered as category "A" proposal.

In view of above SEAC-1 decided to refer the proposal to the SEIAA for confirmation as above.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.