



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:December 4, 2019

To,
Mr Bhalchandra N Katkar
at Plot no - N-35, Additional Ambernath MIDC

Subject: Environment Clearance for Environmental Clearance for API manufacturing facility of M/s. USV Pvt. Ltd. at Plot no - N-35, Additional Ambernath MIDC Area, Ambernath (E), Dist. Thane, Maharashtra, India. PIN: 421501

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 168th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 181st meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category Schedule 5 (f), Category - B-1 as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	M/s USV Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr Bhalchandra N Katkar
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	API manufacturing industry (Synthetic Organic Chemicals & Intermediates manufacturing unit), Schedule 5(f), Category B-1 under EIA notification 2006.
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. It is a New Project
8.Location of the project	Plot no - N-35, Additional Ambernath MIDC
9.Taluka	Ambernath
10.Village	Additional Ambernath MIDC Area
Correspondence Name:	Mr. Bhalchandra N Katkar
Room Number:	-
Floor:	-
Building Name:	M/s. USV Pvt. Ltd.
Road/Street Name:	Arvind Vitthal Gandhi Chowk, BSD Marg
Locality:	Govandi
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Additional Ambernath MIDC

SEIAA Meeting No: 181 Meeting Date: November 15, 2019 (
SEIAA-STATEMENT-000002851)
SEIAA-MINUTES-000002766
SEIAA-EC-000002179

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Shri. Anil Diggikar (Member Secretary
SEIAA)

12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 10863
13.Note on the initiated work (If applicable)	NONE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	19729
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 10863
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 15-02-2019
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	740900000



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Glimepiride	--	0.375	0.375
2	Glipizide	--	1.35	1.35
3	AC Pentadiene	--	0.72	0.72
4	AC Crotonaldehyde	--	0.315	0.315
5	Chloro Atovaquone	--	1.125	1.125
6	Dola Tricyclic Alcohol	--	0.075	0.075
7	Dabigartan exilate mesylate	--	2.8	2.8
8	Other intermediates and bulk drugs (Anti - Diabetic, Cardio vascular, Anti - hypertensive, Anti - inflammatory, Anti - constipation, Peptides)	--	6.5	6.5

23. Total Water Requirement

Dry season:	Source of water	MIDC Additional Ambernath
	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	



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24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	--	35	35	--	7	7	--	28	28
Industrial Process	--	154	154	--	0	0	--	154	154
Cooling tower & thermopack	--	341	341 (105 CMD Condensate recycled from boiler)	--	171	171	--	65	65
Gardening	--	20	20	--	20	20	--	--	--
Fresh water requirement	--	550	550 (105 CMD Condensate recycled from boiler)	--	198	198	--	247	247

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	6 m below ground level
	Size and no of RWH tank(s) and Quantity:	RWH Tank of 10 CMD capacity
	Location of the RWH tank(s):	Near Office Building
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	2 m x 3m x 3 m
	Budgetary allocation (Capital cost) :	Rs 600000
	Budgetary allocation (O & M cost) :	Rs 100000
	Details of UGT tanks if any :	None

26.Storm water drainage	Natural water drainage pattern:	The slope of the land is towards west having a maximum contour difference of 3m.
	Quantity of storm water:	2219.51 m ³ /hr
	Size of SWD:	Width 1 meters : Depth 0.8 meters

27.Sewage and Waste water	Sewage generation in KLD:	28 KLD
	STP technology:	Sewage effluent will be treated in Aeration tank of ETP .
	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



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28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction wastes: There will be generation of construction wastes such as scraps, excavated soil, used cement bags, iron / steel scrap and card boards accounting to 200 Tons.
	Disposal of the construction waste debris:	Disposal of Construction waste: Wastes generated during construction activity will be disposed off through local waste disposal system
Waste generation in the operation Phase:	Dry waste:	M.S Scrap - 20 MT/A, Wooden Pallets - 6 MT/A, Paper waste - 6 MT/A
	Wet waste:	Wet waste will be disposed through Local Municipal Waste Disposal System.
	Hazardous waste:	Mentioned at Serial no - 45
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Disposed through approved vendors
	Wet waste:	Disposed through Local Municipal Waste Disposal System.
	Hazardous waste:	The recyclable / reprocessible waste will be sent to authorized recyclers and the rest will be sent to CHWTSDF.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Near ETP
	Area for the storage of waste & other material:	108 sq. mtr.
	Area for machinery:	N.A.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 3000000
	O & M cost:	Rs 19600000

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29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not Applicable	5	6.0 to 8.5	5.5 to 9.0
2	TDS	mg/l	20000	1000	2100
3	BOD	mg/l	15000	50	100
4	COD	mg/l	40000	100	250
5	O & G	mg/l	150	0.5	10
Amount of effluent generation (CMD):		247			
Capacity of the ETP:		275 CMD			
Amount of treated effluent recycled :		233 CMD			
Amount of water sent to the CETP:		It is ZLD unit			
Membership of CETP (if require):		It is ZLD unit			
Note on ETP technology to be used		Stream segregation as High TDS/COD and low TDS/COD, High TDS/COD stream to be sent to Stripper followed by MEE and then to ATFD. The MEE & ATFD condensate generated from process effluent will be sent to ETP with primary, secondary and tertiary treatment along with low TDS/COD effluent. The treated water will be sent to R.O plant. The R.O permeate will be used for cooling - tower make -up, and the R.O reject will be recirculated back to MEE.			
Disposal of the ETP sludge		Disposed to CHWTSDF, Taloja			

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30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent carbon	28.3	TPM	--	1.66	1.66	To CHWTSDF
2	Catalyst waste	28.2	TPM	--	0.016	0.016	To authorized re-processors / To CHWTSDF
3	Residue & Waste	28.1	TPM	--	22.0	22.0	To CHWTSDF
4	Discarded Container/Barrels/ Liners	33.1	TPM	--	10	10	To authorized re-processors / To CHWTSDF
5	ETP Sludge	35.3	TPM	--	9.0	9.0	To CHWTSDF
6	MEE Residue	37.3	TPM	--	30	30	To CHWTSDF
7	Spent oil	5.1	TPM	--	0.58	0.58	To authorized re-processors / To CHWTSDF
8	Distillation Residue	36.1	TPM	--	3	3	To authorized re-processors
9	Spent solvents	28.6	TPM	--	1240	1240	To authorized re-processors
10	Waste / residue containing oil	5.2	TPM	--	0.58	0.58	To CHWTSDF
11	Off specification product	28.4	TPM	--	2.0	2.0	To CHWTSDF
12	Date expired product	28.5	TPM	--	1.0	1.0	To CHWTSDF
13	Contaminated aromatic aliphatic or Napthalic solvents not fit for original intended use.	20.1	TPM	--	5	5	To CHWTSDF
14	Chemical containing residue arising from decontamination	34.1	TPM	--	0.833	0.833	To CHWTSDF
15	Flue gas cleaning residue	35.1	TPM	--	1.25	1.25	To CHWTSDF
16	Spent ion exchange resin containing toxic metal	35.2	TPM	--	0.041	0.041	To CHWTSDF
17	Oil and grease skimming residue	35.4	TPM	--	0.41	0.41	To CHWTSDF
18	Spent solvents	28.6	TPM	--	10	10	To CHWTSDF
19	E-waste	--	Kg/A	--	800	800	Sale to Authorized party
20	Battery waste	--	TPA	--	1	1	Sale to Authorized party
21	Non-Hazardous Waste	--	--	--	--	--	--
22	M.S. Scrap	--	MT/A	--	20	20	Sent to MPCB Authorized Vendor
23	Wooden pallet	--	MT/A	--	6	6	Sent to MPCB Authorized Vendor
24	Paper waste	--	MT/A	--	6	6	Sent to MPCB Authorized Vendor

31.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 1 (1.2 TPH)	FO/CNG	1	30	0.380	180
2	Boiler 2 (0.8 TPH)	FO/CNG	2	30	0.380	180
3	Boiler 3 (4 TPH)	FO/CNG	3	37	0.450	180
4	D.G (625 kVA)	HSD	4	6	0.150	148
5	D.G (1500 kVA)	HSD	5	30	0.300	148
6	D.G (1500 kVA) (Standby)	HSD	6	30	0.300	148
7	Scrubber (9nos).	Not applicable	(7 to 15)	5mtr from top of building	0.150	35

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	CNG or Furnace Oil	--	CNG : 8406m ³ /Day or FO: 9 MT/Day	CNG : 8406m ³ /Day or FO: 9 MT/Day
2	HSD	--	240 Lit./Hr.	240 Lit./Hr.
33.Source of Fuel		Local vendor		
34.Mode of Transportation of fuel to site		By road		

35.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	3000 KW
	During Operation phase (Demand load):	2180 KVA
	Transformer:	Existing 1000 KVA ; Proposed 1600 KVA
	DG set as Power back-up during operation phase:	DG 1 : 625 KVA, DG 2 : 1500 KVA, DG 3 : 1500 KVA (Standby).
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	Not applicable	

Energy saving by non-conventional method:

Installation of Solar panels and solar lights

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Installation of solar panels within project premises	5 % power can be saved by using Solar power
2	Installation of solar lights within project premises	50 Nos. of Solar Lights will be installed.

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boilers	--	Installation of new stacks of 30m, 30m and 37m height to proposed boiler of capacity 1.2 TPH, 0.8 TPH & 4.0 TPH respectively.
Scrubber	--	9 Nos. of Acid & Alkali Scrubber will be installed of capacity 2000 CFM / 3400 CMH with stack height of 5m.
DG Sets	--	Installation of new stacks of 6m, 30m and 30m height to proposed DG sets of capacity 625 KVA, 1500 KVA and 1500 KVA (Standby)
Industrial and Sewage effluent	--	ETP of 275 CMD will be installed at site. Industry will operate as ZLD unit. Stream segregation as High TDS/COD and low TDS/COD, High TDS/COD stream to be sent to Stripper followed by MEE and then to ATFD. The MEE & ATFD condensate generated from process effluent will be sent to ETP with primary, secondary and tertiary treatment along with low TDS/COD effluent. The treated water will be sent to R.O plant. The R.O permeate will be used for cooling - tower make -up, and the R.O reject will be recycled.
Noise	--	Provision of acoustic enclosures and installation of shock absorbers & vibration absorbing pads.
Hazardous waste	--	The hazardous waste is stored in a separate demarcated area. The recyclable / reprocessible waste will be sent to authorized recyclers and the rest will be sent to CHWTSDF.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 81023000
	O & M cost:	Rs 39886000

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Sprinkling in construction phase, provision of PPE's to workers (Masks)	Rs 7.2 Lacs per annum
2	Noise	PPE's to be provided to works (ear muffs and ear plugs)	Rs 0.6 Lacs per annum

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Air	9 Nos. of Acid & Alkali Scrubber will be installed of capacity 2000 CFM / 3400 CMH. Installation of new stacks of 30m, 30m and 37m height to proposed boiler of capacity 1.2 TPH, 0.8 TPH & 4.0 TPH Respectively.	144	2.4
2	Water	ZLD based ETP with stripper, MEE, ATFD followed by ETP with primary, secondary and tertiary treatment with R.O plant.	550	170
3	Noise	Provision of acoustic enclosures and installation of shock absorbers & vibration absorbing pads.	9.0	0.5
4	Occupational Health	Purchase of PPE's and health checkups.	2.0	15.0
5	Green Belt	Development and maintenance of green belt.	4.23	3.46
6	Solid Waste	Membership of CHWTSDF and disposal of waste	30	196
7	Rain water harvesting	Provision of RWH system along with above ground collection tank of 10 CMD.	6	1
8	Environmental monitoring	Environmental monitoring of ambient air, workplace, stack monitoring, effluent inlet and outlet, noise, water and carbon footprint monitoring	--	6.5
9	Solar installation	Provision of Solar panels across the factory building and additional solar street lights to be considered in the plot	65	4.0

39.Storage of chemicals (inflammable/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
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Glimepride Sulphonamide	Solid	Warehouse	0.5	0.5	0.38	Local	By Road
Acetone	Liquid	Tankfarm area	20KL	16	98.70	Local	By Road
4-Methyl cyclohexyl isocyanate	Solid	Warehouse	0.2	0.2	0.2	Local	By Road
Potassium Carbonate, Anhydrous	Solid	Warehouse	2.5	2.5	7.20	Local	By Road
Glacial Acetic Acid	Liquid	Tankfarm area	15KL	12	22.90	Local	By Road
Caustic Soda Lye	Liquid	Tankfarm area	10KL	8	10.76	Local	By Road
Methanol	Liquid	Tankfarm area	20KL	16	84.50	Local	By Road
Ammonia gas	Gas	Warehouse	0.4	0.4	0.4	Local	By Road
Activated Charcoal	Solid	Warehouse	0.2	0.2	0.2	Local	By Road
Glipizide sulphonamide	Solid	Warehouse	1.4	1.4	1.4	Local	By Road
Dimethyl formamide	Liquid	Tankfarm area	25KL	20	19.50	Imported /Local	By Road
Alumina Neutral	Solid	Warehouse	2	2	4.10	Local	By Road
Sodium Methoxide	Solid	Warehouse	0.24	0.24	0.24	Local	By Road
Cyclohexyl Isocyanate	Liquid	Warehouse	0.3	0.3	0.60	Local	By Road
Methylene Chloride	Liquid	Tankfarm area	25KL	20	82.40	Local	By Road
Hydrochloric Acid IP	Solid	Warehouse	0.8	0.8	0.8	Local	By Road
Soda Ash	Solid	Warehouse	1.5	1.5	2.18	Local	By Road
4-methoxy-2-3-6 trimethyl	Solid	Warehouse	0.5	0.5	0.70	Local	By Road
Sodium Hydroxide (Caustic Soda)	Solid	Warehouse	0.3	0.3	0.3	Local	By Road
Hexane	Liquid	Tankfarm area	20KL	16	8.20	Local	By Road
Vinyl Magnesium Chloride	Liquid	Warehouse	1	1	2.30	Local	By Road
Toluene	Liquid	Tankfarm area	20KL	16	53.60	Local	By Road
Sodium Bicarbonate	Solid	Warehouse	0.6	0.6	0.6	Local	By Road
Pyridine	Liquid	Warehouse	0.5	0.5	0.70	Local	By Road
Aqueous hydrogen bromide (HBr)	Liquid	Warehouse	0.5	0.5	0.60	Local	By Road
Triphenyl Phosphine	Solid	Warehouse	0.5	0.5	0.70	Local	By Road
Ethyl acetate	Liquid	Tankfarm area	20KL	16	117.70	Local	By Road
DL-Tartaric acid	Solid	Warehouse	0.5	0.5	0.70	Local	By Road
N-butanol	Liquid	Warehouse	0.5	0.5	1.0	Local	By Road
P-TSA	Solid	Warehouse	0.03	0.03	0.03	Local	By Road
Sodium Chloride	Solid	Warehouse	1	1	2.60	Local	By Road
Sodium Sulfate	Solid	Warehouse	1	1	2.40	Local	By Road
THF	Liquid	Warehouse	4	4	8.40	Imported	By Road
Sodium metaperiodate	Solid	Warehouse	0.5	0.5	1.0	Local	By Road
Hyflow	Solid	Warehouse	0.2	0.2	0.2	Local	By Road
Sodium carbonate	Solid	Warehouse	1.5	1.5	2.80	Local	By Road
MTBE	Liquid	Warehouse	4	4	15.50	Imported	By Road
Di-n-butylamine	Liquid	Warehouse	0.04	0.04	0.04	Local	By Road
Propanoaldehyde	Liquid	Warehouse	0.30	0.30	0.30	Imported	By Road
Sulfuric acid	Liquid	Warehouse	0.10	0.10	0.10	Local	By Road
Oxalate salt of Dola protected Alcohol	Solid	Warehouse	0.40	0.40	0.40	Local	By Road

N-Hexane	Liquid	Warehouse	2	2	4.10	Imported	By Road
RMK	Solid	Warehouse	0.1	0.1	0.1	Local	By Road
IPA	Liquid	Tankfarm area	15KL	12	28.40	Local	By Road
Sulfolane	Liquid	Warehouse	2.5	2.5	4.30	Local	By Road
AT Acid	Solid	Warehouse	1	1	1.50	Local	By Road
Acetonitrile	Liquid	Warehouse	3	3	5.0	Local	By Road
2-Cl-Naphthoquinone	Solid	Warehouse	1	1	1.50	Local	By Road
Silver nitrate	Solid	Warehouse	0.3	0.3	0.3	Local	By Road
Ammonium persulfate	Solid	Warehouse	2.5	2.5	3.60	Local	By Road
Dabi Dichloro compound	Solid	Warehouse	5.24	5.24	5.24	Local	By Road
Sodium Acetate	Solid	Warehouse	1.5	1.5	2.10	Local	By Road
Tetrabutyl ammonium	Solid	Warehouse	1	1	1.30	Local	By Road
Dabi Benzimidine	Solid	Warehouse	2.2	2.2	2.2	Local	By Road
Sodium borohydride	Solid	Warehouse	0.2	0.2	0.40	Local	By Road
Potassium Carbonate	Solid	Warehouse	2.5	2.5	6.80	Local	By Road
n-hexyl chloroformate	Liquid	Warehouse	1	1	1.40	Local	By Road
Cyclo Hexane	Liquid	Tankfarm area	20KL	16	30.20	Local	By Road
Norit SA2 Charcoal	Solid	Warehouse	0.3	0.3	0.3	Imported	By Road
Methane sulfonic Acid	Liquid	Warehouse	0.4	0.4	0.4	Local	By Road
40.Any Other Information							
No Information Available							

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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Schedule 5 (f), Category - B-1
	Court cases pending if any	Nil
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 181st meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to provide scrubbers to all process vents so as to ensure no emissions are released into the atmosphere without treatment.
II	PP to prepare all safety related SOP's and training modules in the Marathi language so as to increase its effectiveness.
III	PP to implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018
IV	PP to include water and carbon foot print in the Environmental Monitoring Plan.
V	PP to ensure that CER plan get approved from District Collector.
VI	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF & CC dated 9th August, 2018.

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

XI	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER THANE
10. REGIONAL OFFICE MPCB THANE
11. REGIONAL OFFICE MIDC AMBERNATH
12. REGIONAL OFFICE MIDC THANE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
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