STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:July 31, 2019

To,
Excel Industries Limited
at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri

Subject: Environment Clearance for Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri

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 166th 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 171st meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5 (f)- B Synthetic organic chemical manufacturing facility as per EIA Notification 2006.

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

1.Name of Project	Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility by Excel Industries Limited at Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri
2.Type of institution	Private
3.Name of Project Proponent	Excel Industries Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing EC letter SEAC-2010/CR.516/TC-2 dated 6th July 2011
8.Location of the project	Plot No.D-9, MIDC, Lote Parshuram, Taluka Khed, Dist. Ratnagiri
9.Taluka	Khed
10.Village	Lote
Correspondence Name:	Ekanath Karekar
Room Number:	Plot No.D-9
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Whether in Corporation / Municipal / other area	MIDC Lote Parshuram

12.IOD/IOA/Concession/Plan Approval Number	MIDC Lote Parshuram
	IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval
	Approved Built-up Area: 31173.63
13.Note on the initiated work (If applicable)	Existing facility pertains to manufacturing of synthetic organic chemical.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	73303 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** --
	Non FSI area (sq. m.): --
	Total BUA area (sq. m.): 4890.30
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1
	Approved Non FSI area (sq. m.): --
	Date of Approval: 22-05-2019
19.Total ground coverage (m2)	21830.35
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.79
21.Estimated cost of the project	700000000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sodium Penta Chloro Phenate and its Formulations	1800 TPA	700 TPA	2500 TPA
2	Hydroxy Ethylidene Di- Phosphonic Acid and its Formulations (Codex 661 and Formulation)	7200 TPA	27800 TPA	35000 TPA
3	Acetyl Chloride	3600 TPA	2900 TPA	6500 TPA
4	Sodium Salt of 5 Sulphono Isopathalic Dimethyl Ester (SIPM)	360 TPA	0 TPA	360 TPA
5	Amino Tri-methylene Phosphonic Acid and its formulations (ATMP)	1200 TPA	10800 TPA	12000 TPA
6	Codex-551	600 TPA	0 TPA	600 TPA
7	Dispercel -32 (Poly Maliec Acid)	252 TPA	0 TPA	252 TPA
8	THPE [1,1,1, Tris (4-Hydroxy Phenyl) Ethane]AND/OR DMBPC (Di-methyl Bis Phenol Cyclohexane (DMBPC) and its Derivatives	1025 TPA	475 TPA	1500 TPA
9	Lauracel	30 TPA	0 TPA	30 TPA
10	4 – Hydroxythiobenzamide FEBUXOSTAT T1	12 TPA	0 TPA	12 TPA
11	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate FEBUXOSTAT T2	18 TPA	0 TPA	18 TPA
12	Ethyl 2-(3-formyl-4 hydroxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T3	15 TPA	105 TPA	120 TPA
13	Ethyl 2-(3-formyl-4 isobutoxyxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T4	14 TPA	0 TPA	14 TPA
14	Ethyl 2-(3-cyano-4 isobutoxyxyphenyl)-4-methylthiozole-5-carboxylate FEBUXOSTAT T-5 and / OR Ethyl 2-(3-cyno-4 Isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid Febuxostat	42 TPA	33 TPA	75 TPA
15	Ethyl 2-(3-cyno-4 Isobutoxyphenyl)-4-methyl-1, 3 thiazole-5carboxylic acid FEBUXOSTAT T-6	0 TPA	25 TPA	25 TPA
16	5-(Bromomethyl)-4-(4-fluorophenyl)-6-(-1-methylethyl)-2-methyl (methylsulfonyl)amino pyrimidine Z 7 Br	48 TPA	0 TPA	48 TPA
17	Phosphonium,{[4-(4-flurophenyl)-6-(1-methylethyl)-2[methyl methylsulfonylamino]-5 pyrimidinyl] methyl] triphenyl bromide (1:1) Z 8.2	60 TPA	0 TPA	60 TPA
18	N- [4-(4- Flurophenyl) -5 formyl-6-(1-methylethyl)-2-pyrimidinyl]-N-methyl methane sulfonamide Z 7 Formyl	25 TPA	0 TPA	25 TPA
19	6-Hydroxy-3,4-dihydro-1H-quinoline-2-one 6 HQ	20 TPA	0 TPA	20 TPA
20	4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-hydroxybutyl]-a-a-dimethylphenylacetic acid Fexofenadine N-1 and / OR a,a- Dimethyl -4-[1- Hydroxy -4 [4-(hydroxydiphenylmethyl)-1-piperidinyl)—piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) and its intermediates	26 TPA	0 TPA	26 TPA
21	1,3; 2,4 –bis (3,4- dimethyl benzylidene) sorbitol Exclar	75 TPA	0 TPA	75 TPA
22	n- Octyl Phosphonic acid NOPA	75 TPA	0 TPA	75 TPA
23	Pregabelin ((S) -3-(aminomethyl)-5-methylhexanoic acid) and its intermidiates	20 TPA	0 TPA	20 TPA
24	Sitagliptine Phosphate, (3-(Triflurometyl)-5,6,7,8 – tetrahydro-[1,2,4] triazolo [4,3-a] pyrazine hydrochloride)(intermediate)	20 TPA	0 TPA	20 TPA
25	4-[5-(4-Methylphenyl)-3-(trifluoromethyl pyrazol-1-yl] benzenesulfonamide and Celecoxib intermediate (4- Hydrazinobenzene-1-sulfonamide Hydrochloride)	10 TPA	0 TPA	10 TPA
26	Benfotamine Phosphate	20 TPA	0 TPA	20 TPA
27	Celestistat	6 TPA	0 TPA	6 TPA
28	Silodosine	2 TPA	0 TPA	2 TPA
29	4- Acetoxy styrene (4-ACS)	0 TPA	100 TPA	100 TPA
30	Dibenzoyl Methane (DBM)	0 TPA	100 TPA	100 TPA
31	Phenyl Hydrazine	0 TPA	600 TPA	600 TPA
32	Phenyl Hydrazine Hydrochloride	0 TPA	500 TPA	500 TPA
33	4- chloro Phenyl Hydrazine	0 TPA	200 TPA	200 TPA
34	4 Hydroxy benzene sulphonomide hydrochloride (4-HBS)	0 TPA	500 TPA	500 TPA
35	3-[(S)-1-TERTBUTOXYCARBONYL- 4 -OXOPYRROLIDIN-2-YL CARBONYL] THIAZOLIDINE (OXO)	0 TPA	25 TPA	25 TPA
36	Teneligliptin Hydrobromide Hydrate (Teneligliptin)	0 TPA	40 TPA	40 TPA
37	PPZ-1-(3-Methyl-1-phenyl-1-pyrazol-5-yl) piperazine.	0 TPA	25 TPA	25 TPA
38	Solifenacin Base	0 TPA	3 TPA	3 TPA
39	Solifenacin Succinate	0 TPA	3 TPA	3 TPA
40	Sertaconozole	0 TPA	20 TPA	20 TPA
41	Nizatidine	0 TPA	25 TPA	25 TPA
42	(R)-9-[2(phosphonomethoxy) propyl] Adenine (PMPA)	75 TPA	0 TPA	75 TPA
43	Flurobenzene , its Derivatives and other fluorinated compounds	0 TPA	1000 TPA	1000 TPA
44	Phoponates and its Derivatives	0 TPA	500 TPA	500 TPA
45	Phosphates and derivatives	0 TPA	500 TPA	500 TPA
46	Phosphites and its derivatives	0 TPA	500 TPA	500 TPA
47	Hydrochloric acid	15000 TPA	60000 TPA	75000 TPA
48	R&D and Pilot for Industrial Chemicals and Intermidiates	0 TPA	60 TPA	60 TPA

23.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	848 cmd
	Recycled water - Flushing (CMD):	482 cmd
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1330 cmd
	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):	848 cmd
	Recycled water - Flushing (CMD):	482 cmd
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1330 cmd
	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	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	66	20	86	3	2	5	63	18	81
Industrial Process	123	596	719	41	141	182	82	455	537
Cooling tower & thermopack	218	232	450	215	223	438	3	9	12
Gardening	50	25	75	50	25	75	0	0	0

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.42 m to 16.32 m bgl (post monsoon)
	Size and no of RWH tank(s) and Quantity:	RWH is directly connected to cooling tower basin
	Location of the RWH tank(s):	RWH is directly connected to cooling tower basin
	Quantity of recharge pits:	No
	Size of recharge pits :	No
	Budgetary allocation (Capital cost) :	--
	Budgetary allocation (O & M cost) :	--
	Details of UGT tanks if any :	--

26.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	--
	Size of SWD:	600 mm x 1000 mm

27.Sewage and Waste water	**Sewage generation in KLD:**	81 cmd
	STP technology:	Not applicable. Sewage will be treated in combined ETP (At Aeration tank)
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of construction debris will be generate.
	Disposal of the construction waste debris:	Construction debris will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Used Bags: 450 Nos./A, Oil Tin: 650 Nos./A, Wooden pallets: 3000 Nos./A, Plastic/Polyvinyl Bags: 28200 Nos./A, M.S. Scrap: 150 TPA, Canteen Waste: 20 TPA. Paper Waste: 15 TPA, Boiler ash: 4200 TPA, Fly ash: 21 TPA
	Wet waste:	--
	Hazardous waste:	Filter and Filter Material containing organic chlorine compound, ETP Sludge from Primery Treatment, Sludge generated Spray Dryer, Spent organic catalyst, Distillation Residue, Distillation residue from R&D and Pilot Plant, Flue Gas Cleaning Residue(Boiler shoot, Spent in Exchange resins, Used/ Spent oil, Discarded Containers, Spent acid, Spent solvent
	Biomedical waste (If applicable):	Waste sharps: 20 kg/Month, Expired or Discarded Medicines: 10 kg/Month, Soiled Waste: 40 kg/Month
	STP Sludge (Dry sludge):	--
	Others if any:	E waste: 5 TPA
Mode of Disposal of waste:	**Dry waste:**	Non Hazardous waste will be sale to authorized dealer
	Wet waste:	--
	Hazardous waste:	hazardous waste will be disposed off as per Hazardous waste rule 2016.
	Biomedical waste (If applicable):	Biomedical waste will be disposed off as per norms.
	STP Sludge (Dry sludge):	--
	Others if any:	E waste will be disposed off to authorized dealer
Area requirement:	**Location(s):**	within plot
	Area for the storage of waste & other material:	within plot
	Area for machinery:	No
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25 Lakhs
	O & M cost:	Rs. 245 Lakhs

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4 to 6	6.5 to 9	< 6.5 to 9
2	Total Suspended solids	mg/L	400 to 500	100	< 100
3	Total Dissolved Solids	mg/L	8000 to 10000	2100	< 2100
4	Chemical Oxygen Demand	mg/L	8000 to 10000	250	< 250
5	Ammonical Nitrogen	mg/L	70 to 100	50	< 50

Amount of effluent generation (CMD):	630 cmd
Capacity of the ETP:	Existing ETP- 175 cmd, Proposed ETP- 500 cmd
Amount of treated effluent recycled :	482 cmd
Amount of water send to the CETP:	148 cmd (as per existing CTO)
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Untreated Effluent > Equalization > Neutralization > coagulation > Pri. clarifier > Aeration > Sec. clarifier > Pressure sand filter > Activated carbon filter > RO unit > RO permeate recycle > RO reject & High Load stream to MEE > MEE permeate to recycle
Disposal of the ETP sludge	To CHWTSDF

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Filter and Filter Material containing organic chlorine compound	36.2	TPA	3	6	9	Landfill at CHWTSDF
2	Chemical sludge & oil & Grease skimming residue	35.3 & 35.4	TPA	200	12300	12500	Landfill at CHWTSDF
3	Spent organic catalyst	29.5	TPA	4	8	12	Incineration at CHWTSDF
4	Distillation Residue	20.3	TPA	300	600	900	Incineration at CHWTSDF
5	Process waste & residue	29.1	TPA	4	8	12	Incineration at CHWTSDF
6	Other Hazardous waste (Spent in Exchange resins)	35.2	TPA	0.12	0.24	0.36	Disposal at CHWTSDF
7	Used/ Spent oil	5.1	KLPA	2	4	6	Sale to Authorised Agency
8	Discarded Containers	33.1	Nos./A	12710	25420	38130	Sale to Authorised Agency
9	Spent Acid	26.3	TPA	1645	0	1645	Sale to Authorized party
10	Dil Methanol	28.6	TPA	450	0	450	Sale to Authorized party
11	Dilute Acetic Acid	26.3	TPA	1200	0	1200	Sale to Authorized party
12	Methanol	28.6	TPA	600	0	600	Sale to Authorized party
13	Sodium Sulphite 30%	26.3	TPA	936	0	936	Sale to Authorized party
14	Spent Ethyl Bromide	26.3	TPA	187.5	0	187.5	Sale to Authorized party
15	Spent Magnesium Acetate	26.3	TPA	75	0	75	Sale to Authorized party
16	Spent Sodium Bromide Solution	26.3	TPA	1424.5	0	1424.5	Sale to Authorized party
17	Dilute Thiophosphoric Acid	26.3	TPA	11.75	0	11.75	Sale to Authorized party
18	Dilute Methane Sulphonic Acid	26.3	TPA	195	0	195	Sale to Authorized party or CHWTSDF after treatment
19	Dilute Dimethyl Formamide	26.3	TPA	56	0	56	Sale to Authorized party
20	Dilute Bromide Solution	26.3	TPA	140	0	140	Sale to Authorized party
21	Formic Acid	26.3	TPA	96	0	96	Sale to Authorized party

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	6 TPH & 12 TPH Boiler (Existing)	Coal: 38 TPD	--	30	1.1	160
2	12 TPH Boiler (Proposed)	Coal: 48 TPD	--	Common stack ht. 49 m	Stack Dia. 1.2 m	160
3	12 TPH Boiler (Proposed)	Coal: 48 TPD	--	Common stack ht. 49 m	Stack Dia. 1.2 m	160
4	500 KVA DG set (Existing)	HSD: 75 kg/day	--	15	0.15	160
5	1010 KVA DG set (Existing)	HSD: 0.16 TPD	--	as per CPCB norms	as per norms	160
6	1250 KVA D.G. Set (Proposed)	HSD: 2500 Lit/Hr	--	Stack ht. 7.5 m above roof	as per norms	160
7	1250 KVA D.G. Set (Proposed)	HSD: 2500 Lit/Hr	--	Stack ht. 7.5 m above roof	as per norms	160
8	Spray Dryer (Existing)	Coal: 8.4 TPD	--	15	0.75	90
9	HCL Tail Gas Tower S-4	--	--	15	0.05	30 - 40
10	Acetyl Chloride Packing Scrubber S-5	--	--	10	0.05	30 - 40
11	Acetic Acid Scrubbing Stack S-6	--	--	12	0.05	30 - 40
12	PCL3 Scrubber Stack S-7	--	--	12	0.05	30 - 40
13	Acetyl Chloride Scrubber Stack S-8	--	--	12	0.05	30 - 40
14	Drum Dryer Stack S-9	--	--	25	0.45	30 - 40
15	Packing Area Stack S-10	--	--	25	0.45	30 - 40
16	Reactor (Neutralizer Stack) S-11	--	--	25	0.2	30 - 40
17	HCL Scrubber System Stack S-12	--	--	25	0.05	30 - 40
18	HCL Scrubber System Stack S-13	--	--	15	0.08	30 - 40
19	Common Vent Scrubber stack S-14	--	--	15	0.05	30 - 40
20	SO2 Scrubber System stack S-15	--	--	15	0.15	30 - 40
21	HCL Scrubbing System Stack S-16	--	--	15	0.1	30 - 40
22	SO2 Scrubbing System	--	--	Stack ht. 15 m	Stack Dia, 0.15 m	30 - 40
23	HCl Scrubbing System	--	--	Stack ht. 15 m	Stack Dia, 0.1 m	30 - 40

24	Acetic Acid Scrubbing	--	--	Stack ht. 12 m	Stack Dia, 0.05 m	30 - 40
25	PCl3 Scrubbing	--	--	Stack ht. 12 m	Stack Dia, 0.05 m	30 - 40
26	Acetyl Chloride	--	--	Stack ht. 12 m	Stack Dia, 0.05 m	30 - 40
27	HCl Scrubbing System	--	--	Stack ht. 15 m	Stack Dia, 0.1 m	30 - 40
28	Reactor Neutralizer, Biocel	--	--	Stack ht. 25 m	Stack Dia, 0.2 m	30 - 40
29	Common Vent Scrubber stack	--	--	Stack ht. 15 m	Stack Dia, 0.05 m	30 - 40
30	Common Vent Scrubber stack	--	--	Stack ht. 15 m	Stack Dia, 0.05 m	30 - 40

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	46.4 TPD	96 TPD	142.4 TPD
2	HSD	9.79 kg/ Hr	500 Lit/Hr	9.79 kg/ Hr & 500 Lit/ Hr
33.Source of Fuel		from nearby source		
34.Mode of Transportation of fuel to site		By road		

35.Energy

Power requirement:	**Source of power supply :**	From MSEDCL
	During Construction Phase: (Demand Load)	1600 KVA
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	4800 KVA
	During Operation phase (Demand load):	4800 KVA
	Transformer:	6 MVA
	DG set as Power back-up during operation phase:	500 KVA, 1010 KVA & 2 nos. 1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	--

Energy saving by non-conventional method:

--

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution	Bag house, Cyclone separator, Wet scrubber	Bag house, Cyclone separator
Water pollution	ETP, RO, Spray dryer	ETP, RO, MEE
Noise pollution	Acoustic enclosure, Silencers, PPE	Acoustic enclosure, Silencers, PPE
Hazardous waste	Disposal to CHWTSDF, Authorized recycler	Disposal to CHWTSDF, Authorized recycler

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

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	From Utilities, Process	100	10
2	Environmental Monitoring	Regular Monitoring	0	5
3	Water Pollution Control	ETP, RO, MEE	1250	400
4	Hazardous Waste and Solid waste management	Storage and Disposal of Hazardous waste and Non hazardous waste	245	2.5
5	Green Belt Development	Development and Maintanance of Green Belt	25	2.5
6	Green Initiative	Solar power installation	25	2.5
7	Occupational Health and Safety	PPE, Safety Tranning	25	20
8	Social Welfare and Upliftment	CER Budget	70	--

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Existing & Proposed	Within plot	69 KL, 24 KL	69 KL, 24 KL	refer PFR	from nearby source	By road
Ethanol	Existing & Proposed	Within plot	2 nos. of 16 KL	2 nos. of 16 KL	refer PFR	from nearby source	By road
Toluene	Existing & Proposed	Within plot	2 nos. of 15 KL	2 nos. of 15 KL	refer PFR	from nearby source	By road
Acetic Acid	Existing & Proposed	Within plot	100 KL, 50 KL	100 KL, 50 KL	refer PFR	from nearby source	By road
Caustic Lye	Existing & Proposed	Within plot	2 nos. of 35 KL	2 nos. of 35 KL	refer PFR	from nearby source	By road
Ethyl Acetate Storage Tank	Existing & Proposed	Within plot	20 KL, 30 Kl	20 KL, 30 Kl	refer PFR	from nearby source	By road
Phosphorus Trichloride	Existing & Proposed	Within plot	2 nos. of 80 KL	2 nos. of 80 KL	refer PFR	from nearby source	By road
Codex 661	Existing & Proposed	Within plot	120 KL, 80 KL	120 KL, 80 KL	refer PFR	from nearby source	By road
Codex 8503/ Codex 4503/ Codex 5323	Existing & Proposed	Within plot	40 KL, 160 KL	40 KL, 160 KL	refer PFR	from nearby source	By road
Formaldehyde	Existing & Proposed	Within plot	2 nos. of 30 KL	2 nos. of 30 KL	refer PFR	from nearby source	By road
Phenol	Existing	Within plot	78 KL	78 KL	refer PFR	from nearby source	By road
HCl	Existing & Proposed	Within plot	210 Kl, 190 KL	210 KL, 190 KL	refer PFR	from nearby source	By road
Biocel Solution	Existing	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road
Biocel 90	Existing & Proposed	Within plot	2 nos. of 10 KL	2 nos. of 10 KL	refer PFR	from nearby source	By road
Aniline	Proposed	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road
Methane Sulphonic Acid	Proposed	Within plot	30 KL	30 KL	refer PFR	from nearby source	By road

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B Synthetic organic chemical manufacturing facility
	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	03-03-2018

3. The proposal has been considered by SEIAA in its 171st 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 has obtained certified compliance report from Regional Office of MoEF&CC, Nagpur for their earlier Environment Clearance vide letter dated 29.01.2019, PP to submit copy of reply submitted to the Regional Office of MoEF&CC in repsect of their observations in the reprot.
II	PP to submit revised layout plan showing area statement , green belt area leaving set back from the buildings. PP to submit list of trees exists on site and propsoed to be planted.
III	PP to provide cul-de-sac at the dead ends of the roads for easy movement of vehicles.
IV	PP to carry out life cycle analysis of all the products and submit reprot along with suggestions and propsoed mitigation mesaures to reduce the impact identified in the study.
V	PP to submit revised Form-II.
VI	PP to prepare and submit CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
VII	PP to undertake development of green belt in the coming monsoon season and ensure provision of drip irrigation so as to achieve maximum survival of the saplings.
VIII	PP to use new and renewable energy source for the illumination of office building and street lights.
IX	PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
X	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF&CC dated 9th August, 2018
XI	PP to submit CER plan to District Collector and submit the acknowledgement to Member Secretary, SEIAA.
XII	PP to upload MIDC approval for new construction.

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. SO2, NOx (ambient levels as well as stack emissions) or critical sectorai 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, 1stFloor, 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. SECRETARY MOEF & CC

2. IA- DIVISION MOEF & CC

3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI

4. REGIONAL OFFICE MOEF & CC NAGPUR

5. REGIONAL OFFICE MIDC RATNAGIRI

6. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

7. COLLECTOR OFFICE RATNAGIRI

8. COLLECTOR OFFICE SINDHUDURG