STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:July 3, 2020

To,
M/s. Union Park Chemical (Bombay) Pvt. Ltd
at Plot no: E-11 & E-11/1

Subject: Environment Clearance for Union Park Chemical (Bombay) Pvt. Ltd. at Plot No.: E-11 & E-11/1, MIDC Tarapur, District Palghar, Maharashtra 401506

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 161st 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 198th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5 (f) B1 as per EIA Notification 2006.

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

1.Name of Project	Expansion project for Manufacturing of Specialty Chemicals, API & Pharma Intermediate, at Plot No.: E-11 & E-11/1, MIDC Tarapur, District Palghar, Maharashtra 401506
2.Type of institution	Private
3.Name of Project Proponent	M/s. Union Park Chemical (Bombay) Pvt. Ltd
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot no: E-11 & E-11/1
9.Taluka	Palghar
10.Village	Salvad
Correspondence Name:	Mr. Amit J. Thakkar
Room Number:	NA
Floor:	NA
Building Name:	201,Durga Niwas
Road/Street Name:	Maharshi Karve Road
Locality:	B/H New English High School, Naupada,
City:	Thane(W) - 400602
11.Whether in Corporation / Municipal / other area	MIDC Tarapur, Boisar, Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 10788

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.)	10788 Sq m
16.Deductions	Not applicable
17.Net Plot area	10788 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** 7334.81
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 7334.81
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 7334.81
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 11-04-2019
19.Total ground coverage (m2)	4085.42
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37.87
21.Estimated cost of the project	224500000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	2-Amino 5 Nitro Anisole (Fast Red B Base)	60	0	60
2	2-Amino 4 Nitro Anisole (Fast Scarlet R Base)	10	0	10
3	2-Amino 4 Nitro Anisole Hydrochloride (Fast Scarlet RC Base)	5	0	5
4	Meta Nitro Para Anisidine (Fast Bordeaux GP Base)	5	(+) 10	15
5	Meta Nitro Para Toluidine	0	(+) 10	10
6	Fast Blue B Base/ Fast Blue B Base Di Hydrochloride (Ortho Di Anisidine/Ortho Di Anisidine Hydrochloride) OR O.T Base	10	(-) 10	0
7	5 Nitro Benzimidazolone	0	(+) 20	20
8	5-Difluoromethoxy 2-Mercapto- 1H – Benzimidazole	0	(+) 10	10
9	2 Chloromethyl 3,4 Dimethoxy Pyridine HCl	0	(+) 10	10
10	2-{[(3,4-Dimethoxy-2-pyridinyl)-methyl]-thio}-5-Difluoromethoxy-1H-benzimidazole (Pantoprazole Sulphide)	0	(+) 5	5
11	5-Methoxy-2-Mercapto-1H-Benzimidazole	0	(+) 15	15
12	2-Chloromethyl-4-methoxy-3,5-dimethylpyridine hydrochloride (Ome Chloro)	0	(+) 5	5
13	2-{[(3,5-Dimethyl-4-methoxy-2-pyridinyl)-methyl]-thio}-5-methoxy-1H-benzimidazole (Omeprazole Sulphide)	0	(+) 10	10
14	Indoline	0	(+) 5	5
15	2 Mercapto Benzimidazole	0	(+) 10	10
16	1-(4-methoxyphenyl)-4-(4-nitrophenyl) piperazine	0	(+) 10	10
17	Pantoprazole sodium Sisquihydrate	0	(+) 5	5
18	Omeprazole	0	(+) 5	5
19	Lansoprazole	0	(+) 5	5
20	Spent Acetic Acid (100% basis)	10	(+) 12.5	22.5
21	Magnesium Nitrate Solution (100% basis) or Sodium Nitrate solution (100% basis)	0	(+) 56	56
22	Sodium Sulphite (Na2SO3)	0	(+) 8.5	8.5
23	Difluoromethyl Ether	0	(+) 2.9	2.9
24	Sodium Hydro Sulphide (NaHS 100%)	0	(+) 14	14
25	Total	100	218.9	318.9

23.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	

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	2.5	3.5	6	(-) 0.5	(-) 0.5	1	2	3	5
Industrial Process	27	123	150	(-) 23.5	(-) 8	31.5	3.5	115	118.5
Cooling tower & thermopack	55	103	158	(-) 52.5	(-) 94	146.5	2.5	9	11.5
Gardening	1	17	18	(-) 1	(-) 17	18	0	0	0
Fresh water requirement	85.5	246.5	332	77.5	119.5	197	8	127	135

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-10 m
	Size and no of RWH tank(s) and Quantity:	1 No. - Capacity – 78 CMD. Rain water will be collected in this tank and excess rain water will be led to MIDC drains.
	Location of the RWH tank(s):	UG water Tank Near security cabin
	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) :	Rs. 225000/-
	Budgetary allocation (O & M cost) :	Rs. 5500/- per Annum
	Details of UGT tanks if any :	i) Methanol – 2 Nos. – 25 KL each ii) Water Tank – 1 No – 100 M3 iii) Water tank – 1 No – 57 M3 iv) Water tank – 1 No – 50 M3
26.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains will be provided as per natural slopes.
	Quantity of storm water:	199.83 m3/hr
	Size of SWD:	0.4 m X 0.4 m X 0.4 m

27.Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Domestic Sewage will be treated in combined 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

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	debris, scraps, excavated soil, used cement bags, iron / steel scrap and cardboards waste
	Disposal of the construction waste debris:	Excavated soil will be used for land filling.
Waste generation in the operation Phase:	**Dry waste:**	• Hazardous Waste: • Discarded containers/barrels/HDPE bags & liners used for HW/Chemicals 5004 nos./A, Non-Hazardous Waste: • Waste paper, Sweeping material, Etc.- 0.05 T/A , • Pallet – 1000 Nos./A , • Boiler Ash – 214 T/A, Metal Scrap- 15 T/A
	Wet waste:	• Hazardous Waste: • Spent oil – 0.5 T/A • ETP Sludge- 71 T/A • MEE salts – 2100 T/A • Spent Carbon from ETP – 76 T/A • Spent Carbon from process – 89 T/A • Process Residue – 302 T/A • Distillation residue – 14 T/A
	Hazardous waste:	• Hazardous Waste: • Spent oil – 0.5 T/A • ETP Sludge- 71 T/A • MEE salts – 2100 T/A • Spent Carbon from ETP – 76 T/A • Spent Carbon from process – 89 T/A • Process Residue – 302 T/A • Distillation residue – 14 T/A • Discarded containers/barrels/HDPE bags & liners used for HW/Chemicals 5004 nos./A •
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	• E-Waste- 0.1 T/A , • Battery waste- 0.2 T/A
Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse
	Wet waste:	CHWTSDF
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Sale to authorized dismantlers / Recyclers.
Area requirement:	**Location(s):**	Manufacturing area and administration, raw material and finished goods storage area, Utility area, Parking area, Hazardous waste storage, Open space & internal roads, ETP, MEE & RO, Green belt area.
	Area for the storage of waste & other material:	• Raw material/ Finished Good Storage Area – 452.58 Sq.m • Hazardous Waste Storage Area – 81.84 Sq.m
	Area for machinery:	456.72 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in total capital cost
	O & M cost:	215 Lacs/A

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-7	6.0-.7.0	6.5-8.5
2	COD	mg/lit	3000-3500	100-150	<250
3	BOD3,27ºC	mg/lit	1500-1700	<100	<100
4	TDS	mg/lit	4000-4500	1200-1700	<2100
5	TSS	mg/lit	250-300	<100	<100

Amount of effluent generation (CMD):	Industrial - 130 CMD , MEE Condensate – 24, Domestic – 5 CMD
Capacity of the ETP:	245 CMD
Amount of treated effluent recycled :	Total Water recycle 153 CMD from RO permeate
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):	Yes; Presently implementing ZLD unit so no effluent is sent to CETP
Note on ETP technology to be used	High TDS and high COD stream of 50 CMD is treated in MEE. MEE condensate along with low TDS and low COD stream is treated in conventional ETP of capacity 350 CMD. After secondary treatment the effluent is passed through Activated Carbon Filter (ACF) and Pressure Sand Filter (PSF) for tertiary treatment. The effluent is fed to RO of capacity 350 CMD. RO permeate is recycled for use in utilities whereas RO reject is fed to MEE In order to make it a ZLD scheme.
Disposal of the ETP sludge	CHWTSDF

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	T/A	Nil	0.5	0.5	Sale to authorized dealer
2	ETP Sludge	35.3	T/A	6	65	71	To CHWTSDF
3	MEE salts	35.3	T/A	20	2080	2100	To CHWTSDF
4	Spent Carbon from ETP	35.3	T/A	Nil	76	76	To CHWTSDF
5	Spent Carbon from process	28.3	T/A	3	86	89	To CHWTSDF
6	Process Residue	28.1	T/A	Nil	302	302	To CHWTSDF
7	Distillation residue	20.3	T/A	Nil	14	14	To CHWTSDF
8	Discarded containers/barrels/HDPE bags & liners used for HW/Chemicals	33.1	Nos./A	2004	3000	5004	Sale to authorized dismantlers / Recyclers.
9	Other waste	-	-	-	-	-	-
10	E-Waste	Not Specified	T/A	-	0.1	0.1	Sale to authorized dismantlers/ Recyclers.
11	Battery waste	Not Specified	T/A	-	0.2	0.2	Returned to battery manufacturer through authorized dealer on buy back procurement
12	Non-Hazardous Waste	-	-	-	-	-	-
13	Waste paper, Sweeping material, Etc.	Not Specified	T/A	Nil	0.05	0.05	Sale to authorised recycler
14	Pallet	Not Specified	Nos./A	Nil	1000	1000	Sale to authorised recycler
15	Coal Ash	Not Specified	T/A	37	177	214	Sale to Brick Manufacturer
16	Metal Scrap	Not Specified	T/A	--	15	15	Sale to authorized recycler

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 - 1.5 TPH (Existing)	Imp. Coal – 2 TPD	01 Combined	30 m from ground	0.5	125 0C
2	Boiler -3.5 TPH (Proposed)	Imp. Coal – 9.5 TPD	01 Combined	30 m from ground	0.5	125 0C
3	DG Set – 160 KVA (Existing)	HSD - 45 lit./hr	1	3 m above enclosure	0.15	140 0C
4	DG Set – 160 KVA (Proposed)	HSD- 45 lit./hr	1	3 m above enclosure	0.15	140 0C
5	HCl Scrubber (Existing)	Water Media	1	5 m above Column	0.4	Ambient Temp.
6	Ammonia Scrubber (Proposed)	Water Media	1	5 m above Column	0.4	Ambient Temp.
7	H2S Scrubber (Proposed)	Aqueous Caustic Soda	1	5 m above Column	0.4	Ambient Temp.

8	Sulphur Dioxide Scrubber (Proposed)	Aqueous Caustic Soda	1	5 m above Column	0.4	Ambient Temp.
9	Note-	-	-	-	-	-
10	Note: 1) Existing boiler of 3 TPH will be replaced by proposed 3.5 TPH boiler. 2) Combine stack for existing 1.5 TPH boiler and proposed 3.5 TPH boiler.	--	-	-	-	-

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Imported Coal	2 TPD	9.5 TPD	11.5 TPD
2	HSD	45 lit/hr.	45 lit/hr.	90 Lit/hr
33.Source of Fuel		Local and imported		
34.Mode of Transportation of fuel to site		By Road		

35.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	400 KW
	During Operation phase (Demand load):	300 KW
	Transformer:	400 KVA
	DG set as Power back-up during operation phase:	Existing : 1 DG set – 160 KVA and Proposed: 1 DG set – 160 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension lines are passing through the plot

Energy saving by non-conventional method:

Roof-top solar panel for generation of 60 KW electricity for lighting load of the unit.

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Power	15%

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Multiple cyclone separators, Stack of adequate height and scrubbers	Multiple cyclone separators, wet scrubber, Stack of adequate height and scrubbers
Water	MEE and ETP	MEE, ETP & RO
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:**	30 Lacs
	O & M cost:	1.0 Lacs/A

38.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	1.0
2	Debris	Solid Waste	1.0
3	Construction equipment	Noise Pollution	0.5

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 Stacks for heating units, Scrubbers	8.0	1.0
2	Water pollution control	Effluent Treatment Plant RO Plant, Evaporator Waste minimization of effluent recycle	591.6	321.09
3	Noise pollution Control	Acoustic encl./ Ant vibration pads	1.25	1.25
4	Occupational health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	2.75	4.85
5	Environmental Monitoring budget	Environmental Monitoring	1.4	4.19
6	Green belt	Development & maintenance	4	0.75
7	Hazardous waste storage & disposal	Storage, transportation & disposal	4	215
8	Mitigation Measures for LCA	Installation of solar Panels	30.0	1.0

9	Carbon Footprint Monitoring (Measures taken to reduce carbon footprint)	*Installation of solar Panels for reduction of coal based grid power consumption which indirectly helps to reduce carbon footprint. *Tree plantation Reduction of fuel consumption by using efficient insulation for heating equipment.	0.8	0.1
10	Water Footprint Monitoring (Measures taken to reduce carbon footprint)	Rain water harvesting & use in utilities & domestic. **Recycle & reuse of treated waste water in utilities. Regular maintaince of equipments to reduce wastage due to leaks.	2.5	1.0
11	Total	-	646.3	550.23
12	Note – *Cost for Tree plantation & solar panel is already considered in Sr. no. 6 & 8. ** Cost for recycle & reuse of water is already considered in Sr. no. 2; We will recycle water (153 CMD) by using reverse osmosis.	-	-	-

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
Ortho Anisidine	Liquid	Raw Materials storage area	27	27	55	Imported	Sea & Road
Para Anisidine	Solid	Raw Materials storage area	10	10	20	Imported	Sea & Road
Para Toluidine	Solid	Raw Materials storage area	5	5	10	Imported	Sea & Road
Paracetamol	Solid	Raw Materials storage area	2.5	2.5	5.5	Local	Road
Freon 22	Gas	Raw Materials storage area	1.2	1.2	4.65	Local	Road
3 Hydroxy 2 Methyl Pyrone	Solid	Raw Materials storage area	5	5	11	Imported	Sea & Road
4-Nitro-3,5 Lutidine N- Oxide	Solid	Raw Materials storage area	5	5	5	Local	Road
5-Difluoromethoxy 2-Mercapto- Benzimidazole	Solid	Raw Materials storage area	2	2	11	Local	Road
2 Chloromethyl 3,4 Dimethoxy Pyridine.	Solid	Raw Materials storage area	2	2	12	Local	Road
5-Methoxy-2-Mercapto-1H-Benzimidazole	Solid	Raw Materials storage area	3	3	13.5	Local	Road
2-Chloromethyl-4-methoxy-3,5-dimethylpyridine hydrochloride	Solid	Raw Materials storage area	2	2	7	Local	Road
Ortho Chloro Phenyl Ethyl Amine	Liquid	Raw Materials storage area	1	1	7.3	Imported	Sea & Road
Amino Naphthalene	Solid	Raw Materials storage area	2.5	2.5	5	Imported	Sea & Road

Ortho Phenylene Diamine	Solid	Raw Materials storage area	5	5	25	Local	Road
Valleronitrile	Liquid	Raw Materials storage area	2	2	4	Local	Road
Glycine	Liquid	Raw Materials storage area	1	1	4	Local	Road
5 Carboxy Phthalide	Solid	Raw Materials storage area	5	5	16	Local	Road
Bis(2 Chloro Ethyl) Amine. HCL	Solid	Raw Materials storage area	2.5	2.5	18	Local	Road
N. Butanol	Liquid	Raw Materials storage area	1	1	25	Local	Road
Para Nitro Chloro Benzene	Solid	Raw Materials storage area	2	2	6	Local	Road
Fluoro Boric Acid	Solid	Raw Materials storage area	1	1	3	Local	Road
Hydrogen Peroxide	Liquid	Raw Materials storage area	1.4	1.4	12	Local	Road
Sodium Hypo Chlorite Solution	Liquid	Raw Materials storage area	2	2	10	Local	Road
2{((3,4 Dimethoxy-2-pyridinyl)-Methyl)-thio}-5 Diflouromethoxy - Benzimidazole	Solid	Raw Materials storage area	3	3	10	Local	Road
5 Methoxy-2{((3,5 Dimethyl-4Methoxy—2-pyridinyl)-Methyl)-thio} - Benzimidazole	Solid	Raw Materials storage area	3	3	16	Local	Road
2-[3-Methyl-4-(2,2,2-trifluoroethoxy)-2pyridinyl]methylthio-1H-benzimidazole	Solid	Raw Materials storage area	3	3	10	Local	Road
Acetic Anhydride	Liquid	Raw Materials storage area	2	2	17.3	Local	Road
Acetic Acid	Liquid	Raw Materials storage area	16	16	53	Local	Road
Carbon Disulphide	Liquid	Raw Materials storage area	4	4	15.2	Local	Road
Caustic Soda Lye / Flakes	Liquid	Raw Materials storage area	20	20	133	Local	Road
Sulphuric Acid	Liquid	Raw Materials storage area	10	10	20	Local	Road
Nitric Acid	Liquid	Raw Materials storage area	10	10	88	Local	Road
Hydrochloric Acid	Liquid	Raw Materials storage area	2	2	11.5	Local	Road
Dimethyl Sulphate	Liquid	Raw Materials storage area	2	2	15.2	Local	Road
Thionyl Chloride	Liquid	Raw Materials storage area	1	1	27.2	Local	Road
Phosphorus Oxo Chloride	Liquid	Raw Materials storage area	1	1	25.1	Local	Road
Sodium Nitrite	Solid	Raw Materials storage area	0.15	0.15	1.2	Local	Road
Sodium Hydro Sulphide (NaHS)	Liquid	Raw Materials storage area	15	15	19	Local	Road
Urea	Solid	Raw Materials storage area	3	3	9.3	Local	Road
Potassium Hydroxide	Solid	Raw Materials storage area	3	3	9	Local	Road
Ammonium Hydroxide	Liquid	Raw Materials storage area	2	2	11.3	Local	Road
Ammonium carbonate	Solid	Raw Materials storage area	1	1	3.5	Local	Road
Sodium methoxide	Solid	Raw Materials storage area	2	2	8	Local	Road
Solvents	-	-	-	-	-	-	-
Di Chloro Methane	Liquid	Tank Farm	10	10	10	Local	Road
Toluene	Liquid	Tank Farm	10	10	10	Local	Road
Acetonitrile	Liquid	Tank Farm	2	2	5	Local	Road
Methanol	Liquid	Class A Storage area	10	10	20	Local	Road
ODCB	Liquid	Tank Farm	1	1	2	Local	Road
Ethylene Dichloride	Liquid	Tank Farm	2	2	5	Local	Road
Dimethyl Formamide	Liquid	Tank Farm	2	2	5	Local	Road
Acetone	Liquid	Tank Farm	2	2	5	Local	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	No such area 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	Undertaking for not making any alteration in existing building is already submitted on ECMPCB portal.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-03-2018

3. The proposal has been considered by SEIAA in its 198th 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 submitted the plan layout to MIDC, if there is any change in the plan layout , PP has to take revised EC.
II	PP to ensure that CER plan gets approved from District Collector.
III	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. 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. 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
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