



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: October 29, 2018

To,  
**Mr. Vinod S. Narkhede (Assistant General Manager - EHS)**  
at Plot No- 25/25A, TTC MIDC, Pawne, Navi Mumbai - 400703

**Subject:** Environment Clearance for RPG Life Sciences Ltd., Plot No- 25/25A, TTC MIDC, Pawne, Navi Mumbai 400703

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 153rd A (Day-2)rd 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 140th meetings.

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

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

1.Name of Project	Proposed change in product mix for manufacturing of Active Pharmaceutical Ingredients (API) By RPG Life Sciences Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinod S. Narkhede (Assistant General Manager - EHS)
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial Project for manufacturing of Active Pharmaceutical Ingredients (API)
6.New project/expansion in existing project/modernization/diversification in existing project	Change in product mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No- 25/25A, TTC MIDC, Pawne, Navi Mumbai - 400703
9.Taluka	Navi-Mumbai
10.Village	Pawne Village
Correspondence Name:	Mr. Vinod S.Narkhede
Room Number:	Plot no. 25/25A
Floor:	MIDC Land
Building Name:	-
Road/Street Name:	Thane Belapur Road
Locality:	Pawne
City:	Navi Mumbai - 400 703.
11.Area of the project	TTC MIDC, Pawne, Navi Mumbai
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 12292
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	34483 Sq. m
16.Deductions	Not applicable
17.Net Plot area	Not applicable

**SEIAA Meeting No: 140 Meeting Date: October 3, 2018 ( SEIAA-STATEMENT-000000568 )**  
**SEIAA-MINUTES-000000667**  
**SEIAA-EC-000000471**

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.):
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: 17-06-2017
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	833900000



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## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A) Diuretic	-	-	-
2	1. Spironolactone etc.	3.999 TPA	Deleted	Deleted
3	B) Anti-Psychotic	4.2 TPA	(+) 5.1 TPA	9.3 TPA
4	1. Haloperidol etc.	-	Increased	-
5	2. Haloperidol Decanoate etc.	-	Increased	-
6	3. Risperidone etc.	-	Increased	-
7	4. Olanzapine etc.	-	Deleted	Deleted
8	5. Aripiprazole etc.	-	Deleted	Deleted
9	6. Quetiapine Hemifumarate etc.	-	Deleted	Deleted
10	C) Anti-Arrhythmic class I	0.150 TPA	(+) 0.15 TPA	0.300 TPA
11	1. Disopyramide Phosphate etc.	-	Increased	-
12	D) Anti-Emetic	0.12 TPA	Deleted	Deleted
13	1. Dimenhydrinate etc.	-	Deleted	Deleted
14	E) Anti-Diarrhoeal	12 TPA	(-) 4.8 TPA	7.2 TPA
15	1. Diphenoxylate HCL etc.	-	Decreased	-
16	F) Immunosuppressant	20 TPA	(-) 3.2 TPA	16.800 TPA
17	1. Azathioprine etc.	-	Decreased	-
18	2. Mycophenolate Mofetil etc.	-	Decreased	-
19	3. Mycophenolate Sodium etc.	-	Decreased	-
20	4. Fingolimod etc.	-	Deleted	Deleted
21	G) Collinergic Blockers	1.2 TPA	(+) 0.3 TPA	1.8 TPA
22	1. Propantheline Bromide etc.	-	Increased	-
23	H) Anthelmentic	2.0 TPA	(+) 6.4 TPA	8.4 TPA
24	1. Quinfamide etc.	-	Increased	-
25	I) Anti-Thrombotic/Anti-Platelet	13.500 TPA	(-) 11.7 TPA	1.8 TPA
26	1. Clopidogrel Bisulphate etc.	-	Deleted	-
27	2. Clopidogrel Besylate etc.	-	Deleted	-
28	3. Ticlopidine HCL etc.	-	Decreased	-
29	J) Anti-Convulsant	1.5 TPA	(+) 5.7 TPA	7.2 TPA
30	1. Lamotrigine etc.	-	Increased	-
31	K) Anti-Depressant	0.630 TPA	(+) 5.37 TPA	6.00 TPA
32	1. Sertraline HCL etc.	-	Increased	-
33	2. Escitalopram oxalate etc.	-	Deleted	Deleted
34	L) Anti-Anginal	6.00 TPA	(-) 4.2 TPA	1.8 TPA
35	1. Nicorandil etc.	-	Decreased	-
36	2. Ivabradin HCL etc.	-	Deleted	Deleted
37	M) Anti-Alzheimer	0.2004 TPA	-	-

38	1. Donepezil etc.	-	Deleted	Deleted
39	N) Anti-Hypertensive	1.5 TPA	(-) 1.14 TPA	0.360 TPA
40	1. Tolvaptan etc	-	Decreased	-
41	2. Benidipine.HCl etc.	-	Decreased	-
42	3. Solifenacin etc.	-	Decreased	-
43	4. Irbesartan etc.	-	Deleted	Deleted
44	5. Lercanidipine HCL etc.	-	Deleted	Deleted
45	6. Eplirenone etc	-	Deleted	Deleted
46	7. Candisartan celextil etc.	-	Deleted	Deleted
47	8. Conivaptan etc	-	Deleted	Deleted
48	O) Anti-Migrane	0.2004 TPA	-	-
49	1. Eletriptan Etc.	-	Deleted	Deleted
50	P) Anti-Gout	0.2004 TPA	-	-
51	1. Febuxostat Etc.	-	Deleted	Deleted
52	Q) Anti-Obesity	0.5604 TPA	-	-
53	1. Orlistate Etc.	-	Deleted	Deleted
54	R) Anti-Viral	0.2004 TPA	-	-
55	1. Tamiflu Etc.	-	Deleted	Deleted
56	S) Anti-Ulcerant	2.4 TPA	(+) 7.2 TPA	9.6 TPA
57	1. Pantaprazole Sequehydrate etc.	-	Increased	-
58	2. Lafutidine etc.	-	Deleted	Deleted
59	3. Pantaprazole Sodium etc	-	Added	-
60	T) Anti-Hyperparathyroid	-	(+) 0.30 TPA	0.30 TPA
61	1. Cinacalcet.HCl etc.	-	Added	-
62	TOTAL	70.56 TPA	-	70.56 TPA
63	RPGLS shall manufacture any 15 products at a time on campaign basis.	-	-	-
64	After proposed change in product mix total production capacity will remain same, i.e. 5.88 TPM, however the production capacity will get change from Ton per month to Ton per Annum which will become 70.56 TPA.	-	-	-
65	By-Product Details	-	-	-
66	Mix Solvent	0.0	671 TPA	671 TPA

### 23.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Not applicable
	<b>Fresh water (CMD):</b>	Not applicable
	<b>Recycled water - Flushing (CMD):</b>	Not applicable
	<b>Recycled water - Gardening (CMD):</b>	Not applicable
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	Not applicable
	<b>Fire fighting - Underground water tank(CMD):</b>	Not applicable
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	Not applicable
<b>Wet season:</b>	<b>Source of water</b>	Not applicable
	<b>Fresh water (CMD):</b>	Not applicable
	<b>Recycled water - Flushing (CMD):</b>	Not applicable
	<b>Recycled water - Gardening (CMD):</b>	Not applicable
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	Not applicable
	<b>Fire fighting - Underground water tank(CMD):</b>	Not applicable
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	Not applicable
<b>Details of Swimming pool (If any)</b>	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	70	0	70	10	0	10	60	0	60
Industrial Process	144	0	144	48.5	0	48.5	95.5	0	95.5
Cooling tower & thermopack	76	0	76	51.5	0	51.5	24.5	0	24.5
Gardening	60	0	60	60	0	60	0	0	0
Fresh water requirement	350	0	350	170	0	170	180	0	180

<b>25.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	5 - 12 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	125 m <sup>3</sup> & 105 m <sup>3</sup> /d
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 6,30,000
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 12600
<b>Details of UGT tanks if any :</b>	1) 15 KL - 3 Nos. - Petroleum Class "A" - Bulk Petroleum Storage 2) 7 KL - 3 Nos. - Petroleum Class "A" - Bulk Petroleum Storage 3) 400 KL - 1 Nos. - MIDC Water & Fire Water - Fire water & Water Storage tank	

<b>26.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Proper and separate storm water drains available, as per natural slope.
	<b>Quantity of storm water:</b>	0.245 m <sup>3</sup> /s
	<b>Size of SWD:</b>	305 Lit/sec

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	60
	<b>STP technology:</b>	Sewage treated in septic tank and overflow pumped to aeration tank of ETP for combined treatment
	<b>Capacity of STP (CMD):</b>	NA
	<b>Location &amp; area of the STP:</b>	NA
	<b>Budgetary allocation (Capital cost):</b>	NA
	<b>Budgetary allocation (O &amp; M cost):</b>	NA

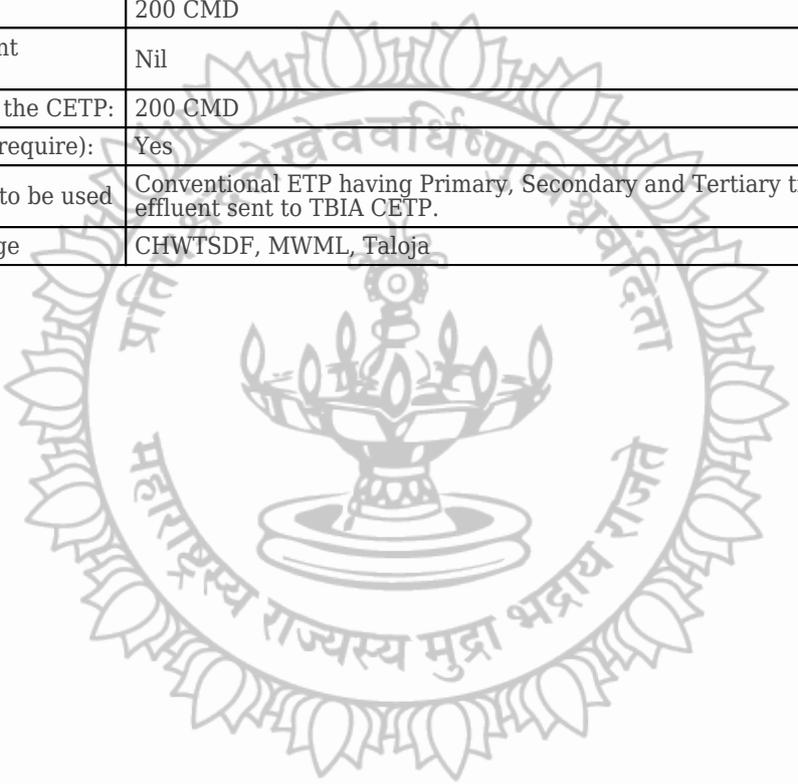
## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	NA
	<b>Disposal of the construction waste debris:</b>	NA
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	1) Paper, Wood, Plastic and Metals - 18 MTA, 2) Discarded, Detoxicated containers / Barrels (M.S./HDPE Drums 200 Ltrs. Cap.) - 684 Nos./A, 3) Garbage like Paper, Corrugated Boxes, Plastics, Fibre drums, Brooms, Wipers, Floor cleaning mops, Tea cups, disposable aprons, head caps & shoe covers etc. 36 MTA.
	<b>Wet waste:</b>	NA
	<b>Hazardous waste:</b>	608.86 MTA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	1) Sale to authorized party, 2) Reuse / Sale to authorized party, 3) Sale to authorized party respectively.
	<b>Wet waste:</b>	NA
	<b>Hazardous waste:</b>	1) CHWTSDF, 2) Returned to battery manufacturer through authorized dealer on buy back procurement, 3) Sale to authorized E-Waste dismantlers / Recyclers.
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Area of storage of raw materials/products & Area of storage of Hazardous & No-hazardous Waste
	<b>Area for the storage of waste &amp; other material:</b>	1) storage of raw materials/products - 2560 Sq. m , 2) storage of Hazardous & No-hazardous Waste - 324 Sq. m.
	<b>Area for machinery:</b>	1) Area used for manufacturing - 3398 Sq. m, 2) Area used for utilities (Boilers, Thermopacks, chimneys, D G sets, Cooling towers, ETP and STP) - 1576 Sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	81.10 Crs.
	<b>O &amp; M cost:</b>	1.622 Crs.

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## 29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	PH	-	8.0 - 10.0	7.5 - 8.0	5.5 to 9.0
2	COD	Mg/Lit.	7000 - 8000	100 - 160	250
3	BOD (3 days at 27 OC)	Mg/Lit.	3000 - 4000	50 - 60	100
4	TSS	Mg/Lit.	1500 - 2000	60 - 70	100
5	TDS	Mg/Lit.	2000 - 3000	700 - 800	2100
6	Oil & Grease	Mg/Lit.	6 - 8	< 10	10
Amount of effluent generation (CMD):		Trade Effluent: 120 CMD; Domestic : 60 CMD			
Capacity of the ETP:		200 CMD			
Amount of treated effluent recycled :		Nil			
Amount of water send to the CETP:		200 CMD			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Conventional ETP having Primary, Secondary and Tertiary treatment and treated effluent sent to TBIA CETP.			
Disposal of the ETP sludge		CHWTSDF, MWML, Taloja			



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### 30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge & Filters contaminated with oil	3.3	MT/A	5.4	(-) 2.4	3.00	CHWTSDF
2	Used / Spent Oil	5.1	MT/A	1.44	0	1.44	Sale to authorized recyclers / CHWTSDF
3	Distillation Residue	20.3	MT/A	7.00	(-) 1.6	5.4	CHWTSDF
4	Process Residue & Wastes	28.1	MT/A	328	(-) 5	323	Sale to authorized recyclers / CHWTSDF
5	Spent Catalyst	28.2	MT/A	1.5	0	1.5	Regenerated by authorized party
6	Spent Carbon	28.3	MT/A	38.0	(-) 8	30	CHWTSDF
7	Off Specification products	28.4	MT/A	2.88	(-) 2.16	0.72	CHWTSDF
8	Date expired products	28.5	MT/A	0.72	(+) 2.16	2.88	CHWTSDF
9	Spent Solvents	28.6	MT/A	315	(-) 128.44	186.56	Sale to authorized party
10	Empty Barrels/Containers/Liners contaminated with Hazardous Chemicals/Wastes	33.1	MT/A	24.0	(-) 12.0	12.0	Reuse / Sale to authorized party / CHWTSDF,
11	Spent Ion Exchange resin containing toxic metals	35.2	MT/A	0.36	0	0.36	CHWTSDF
12	Chemical sludge from waste water treatment	35.3	MT/A	50.0	(-) 10	40.0	CHWTSDF
13	Oil & Grease skimming residue	35.4	MT/A	4.8	(-) 2.8	2.0	CHWTSDF
14	Used Batteries	-	MT/A	0.360	0	0.360	Returned to battery manufacturer through authorized dealer on buy back procurement
15	E-Waste	-	MT/A	0	2.5	2.5	Sale to authorized E-Waste dismantlers / Recyclers.
16	Non Hazardous Wastes	-	-	-	-	-	-
17	Paper, Wood, Plastic and Metals	-	MT/A	18.0	0	18.0	Sale to authorized party
18	Discarded, Detoxicated containers / Barrels (M.S./HDPE Drums 200 Ltrs. Cap.)	-	Nos./A	684.0	0	684.0	Reuse/Sale to authorized party
19	Garbage like Paper, Corrugated Boxes, Plastics, Fibre drums, Brooms, Wipers, Floor cleaning mops, Tea cups, disposable aprons, head caps & shoe covers etc.	-	MT/A	36	0	36	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	Existing Boiler	PNG - 41.6 SCM/hr.	1	33.3	0.525	145 oC
2	As Optional Fuel for Existing Boiler	FO - 105 Kg/hr.	-	-	-	-
3	Existing D G set	HSD - 104 Kg/hr.	1	10 M from ground	0.2	40 oC

### 32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total

1	PNG	41.6 SCM/hr.	0	41.6 SCM/hr.
2	FO (As Optional Fuel)	105 Kg/hr.	0	105 Kg/hr.
3	HSD	104 Kg/hr.	0	104 Kg/hr.
Source of Fuel		1) PNG - Mahanagar Gas Limited, 2) FO & HSD - Local Market		
Mode of Transportation of fuel to site		1) PNG - Direct Pipeline, 2) By Road		

### 33. Energy

<b>Power requirement:</b>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2975 KW
	During Operation phase (Demand load):	Electric Supply of MSEDCL is available through two different feeders where regular power supply from any of one is always available.
	Transformer:	1) 500 KVA, 2) 500 KVA, 3) 1000 KVA
	DG set as Power back-up during operation phase:	625 KVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	No	

### 34. Energy saving by non-conventional method:

Nil

### 36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

### 37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	By dispersal into atmosphere through chimney of adequate height.	-
Water	Conventional ETP having Primary, secondary and Tertiary treatment, treated effluent is being sent to CETP	-
Noise	Separate room is provided for existing D.G of 625 KVA & PPE	-
Solid Waste	Hazardous waste is being dispose to CHWTSDF, Talaja & will be sold to MPCB authorized party.	-

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	Capital cost:	84.5 Lacs
	O & M cost:	12.2 Lacs

### 38. 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)
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1	AIR POLLUTION CONTROL	Scrubber & Boiler	101	15
2	WATER POLLUTION CONTROL	Effluent Treatment Plant	604	100
3	NOISE POLLUTION CONTROL	Anti-Vibration Pads	25	10
4	OCCUPATIONAL HEALTH	1) Medical Check-up 2) Health Insurance Policy 3) Medical Staff charges 4) In-House First Aid Room 5) Other infrastructure and Equipment	100	10
5	GREEN BELT	-	11	0.5
6	HAZARDOUS WASTE STORAGE & DISPOSAL	-	68	8
7	ENVIRONMENTAL MONITORING	-	-	2.75
8	Total		909	146.25

### 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
(2-(2,3-Dichlorophenyl)-Guanidinoimino)	Solid	Ware house	0.5	0.4	0.1133	Local	By Road
(S)-methyl 2-(2-chlorophenyl)-2-(6,7-di	Solid	Ware house	0.25	0.25	0.0292	Local	By Road
10% palladium on charcoal	Solid	Ware house	0.01	0.005	0.0007	Local	By Road
2 - amino pyridine	Solid	Ware house	0.15	0.15	0.0458	Local	By Road
2-chloromethyl-3,4-dimethoxy pyri hydro	Solid	Ware house	0.5	0.5	0.4898	Local	By Road
2-furoic acid	Solid	Ware house	0.5	0.45	0.1292	Local	By Road
4 bromo 2-2 diphenyl butyro nitrite	Solid	Ware house	0.5	0.34	0.2395	Local	By Road
4-(2-4-Difluoro benzoyl oxime)-piprodine	Solid	Ware house	0.2	0.16	0.0800	Local	By Road
4-chloro phenyl 4hydroxy piperidine(CPP)	Solid	Ware house	0.5	0.36	0.2129	Local	By Road
5-difluoromethoxy-2-mercapto-1h-benimidaz	Solid	Ware house	0.5	0.49	0.4803	Local	By Road
5Chloro1methyl1H-imidazole Nitrate	Solid	Ware house	0.2	0.14	0.0834	Local	By Road
70 % sulphuric acid CP	Liquid	Tank Farm	0.2	0.2	0.0167	Local	By Road
Acetic acid glacial	Liquid	Tank Farm	0.25	0.235	0.0979	Local	By Road
Acetone	Liquid	Tank Farm	22	9.98	9.2308	Local	By Road
15 Acetonitrile	Liquid	Tank Farm	0.8	0.64	0.3333	Local	By Road
Activated carbon	Solid	Ware house	0.4	0.36	0.3308	Local	By Road
Alpha acetyl gamma butyrolactone	Liquid	Tank Farm	0.5	0.48	0.0800	Imported	By Ship
Amino amide pure	Solid	Ware house	0.01	0.01	0.0008	Local	By Road
Ammonium sulphate	Solid	Ware house	1.5	1.5	1.1625	Local	By Road
Caustic potash flakes	Solid	Ware house	0.5	0.4	0.1833	Local	By Road
Caustic soda flakes	Solid	Ware house	1.5	1.2	0.5167	Local	By Road
Caustic soda lye	Liquid	Tank Farm	10	8.126	7.3543	Local	By Road
Caustic soda pallets	Solid	Ware house	0.1	0.1	0.0250	Local	By Road
Chloro fluoro butyrophene(CFB)	Liquid	Tank Farm	0.5	0.36	0.1500	Local	By Road
Chloroform	Liquid	Tank Farm	2	2	0.9567	Local	By Road
Commercial Hydrogen cylinder	Gas	Shed	0.01	0.01	0.0041	Local	By Road
Commercial Nitrogen cylinder	Gas	Shed	0.015	0.012	0.0612	Local	By Road
Decanoic acid (N-capric acid)	Liquid	Tank Farm	0.2	0.18	0.0300	Local	By Road
Denatured absolute alcohol (5% acetone)	Liquid	Tank Farm	10	10	2.5833	Local	By Road
Di-isopropyl amino ethyl chloride HCL	Solid	Ware house	0.15	0.135	0.0336	Local	By Road
Dichloro acetyl chloride	Liquid	Tank Farm	1	1	0.2083	Imported	By Ship
Diethanolamine	Liquid	Tank Farm	0.8	0.63	0.1575	Local	By Road
Diethyl oxalate	Liquid	Tank Farm	2	1.75	0.8542	Local	By Road
Dimethyl formamide	Liquid	Tank Farm	2.09	2.09	1.0392	Local	By Road
Ethyl acetate	Liquid	Tank Farm	5	4.2	3.9725	Local	By Road

Fuming nitric acid	Liquid	Tank Farm	1	0.645	0.2625	Local	By Road
Glycerine	Liquid	Tank Farm	2.5	2.5	1.0000	Local	By Road
Hexane	Liquid	Tank Farm	10	2.4	1.8000	Local	By Road
Hydrobromic acid (aqueous 48%)	Liquid	Tank Farm	5	4.8	2.1250	Local	By Road
Hydrochloric acid	Liquid	Tank Farm	2.5	2.07	4.4883	Local	By Road
Hyflo supercel (Celite)	Solid	Ware house	0.25	0.25	0.0868	Local	By Road
Hypoxanthine	Solid	Ware house	0.5	0.5	0.5000	Imported	By Ship
IS, CIS-Sertraline Mandelate	Solid	Ware house	0.4	0.4	0.1667	Local	By Road
Iso propyl alcohol	Liquid	Tank Farm	5	1.28	0.4000	Local	By Road
Isopropyl alcohol HCl solution (20%)	Liquid	Tank Farm	0.3	0.3	0.8500	Local	By Road
Isopropyl ether	Liquid	Tank Farm	5	3.8	1.6250	Local	By Road
Liquor ammonia	Liquid	Tank Farm	1	0.8	0.9667	Local	By Road
MCA Solution	Liquid	Tank Farm	0.025	0.025	0.0167	Local	By Road
Methanol	Liquid	Tank Farm	22	10.48	14.0993	Local	By Road
Methyl bromide pure	Gas	Shed	0.06	0.06	0.0350	Local	By Road
Methyl ethyl ketone	Liquid	Tank Farm	1.5	1.155	0.4533	Local	By Road
Methylene chloride	Liquid	Tank Farm	20	16.32	12.8025	Local	By Road
Mincare solution	Liquid	Tank Farm	0.02	0.02	0.0050	Local	By Road
Mono methylamine	Liquid	Tank Farm	2	1.87	1.0683	Local	By Road
Nicotinic acid	Solid	Ware house	0.2	0.2	0.0375	Local	By Road
Nitric acid LR grade	Liquid	Tank Farm	0.6	0.6	0.3292	Local	By Road
P-chloro nitro benzene	Solid	Ware house	0.5	0.45	0.1875	Local	By Road
Para anisidine	Solid	Ware house	1	0.725	0.2417	Local	By Road
Para toluene sulphonyl chloride	Solid	Ware house	1.5	1.35	0.3375	Local	By Road
Phenyl acetone nitrile (Benzyl Cyanide)	Liquid	Tank Farm	1	0.84	0.1225	Local	By Road
Phosphorous oxychloride	Liquid	Tank Farm	0.2	0.2	0.0875	Local	By Road
Phosphorous pentachloride	Liquid	Tank Farm	3.5	3.36	2.3900	Local	By Road
Pyridine	Liquid	Tank Farm	3.5	3.15	2.0563	Local	By Road
Raney nickel	Solid	Ware House	0.1	0.09	0.0300	Local	By Road
Rec isopropyl ether	Liquid	Tank Farm	5	4.8	5.8242	Local	By Road
Recovered MDC	Liquid	Tank Farm	10	9	4.6619	Local	By Road
Recovered Toluene	Liquid	Tank Farm	10	4.5	2.5348	Local	By Road
Reprocess - 10% palladium on charcoal	Solid	Ware House	0.01	0.008	0.0014	Local	By Road
Sodium bi carbonate	Solid	Ware House	1.5	1.5	0.6667	Local	By Road
Sodium Borohydride	Solid	Ware House	2	2	0.1667	Local	By Road
Sodium Carbonate	Solid	Ware House	1.3	1.3	2.1750	Local	By Road
Sodium chloride	Solid	Ware House	1.1	1.1	0.3292	Local	By Road
Sodium hypochlorite	Liquid	Tank Farm	3	2.4	2.5850	Local	By Road
Sodium meta bi sulphite	Solid	Ware House	0.05	0.05	0.0125	Local	By Road
Sodium Sulphate	Solid	Ware House	1	1	0.6250	Local	By Road
Sodium thiosulphate	Solid	Ware House	0.2	0.2	0.0667	Local	By Road
Sulphuric acid CP	Liquid	Tank Farm	1.5	1.5	0.7458	Local	By Road
Sulphuric acid L.R.	Liquid	Tank Farm	1.7	1.7	1.9875	Local	By Road
Tetra butyl ammonium bromide	Solid	Ware House	0.2	0.2	0.0296	Local	By Road
Thionyl chloride	Liquid	Tank Farm	1.8	1.8	0.4750	Local	By Road
Toluene	Liquid	Tank Farm	22	4.87	6.8415	Local	By Road
Triethylamine	Liquid	Tank Farm	0.5	0.45	0.1500	Local	By Road
Trimethyl ortho formate	Liquid	Tank Farm	0.8	0.8	0.3333	Local	By Road
Ultra High Purity (UHP) Nitrogen Cylinder	Gas	Shed	0.005	0.005	0.0021	Local	By Road
Xanthalene-9-carboxylic (xanthanoic) acid	Solid	Ware House	0.15	0.15	0.0338	Imported	By Ship

#### 40. Any Other Information

No Information Available

	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	5 (f) B
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	1) RPGLS shall manufacture any 15 products at a time on campaign basis.2) After proposed change in product mix total production capacity will remain same, i.e. 5.88 TPM, however the production capacity will get change from Ton per month to Ton per Annum which will become 70.56 TPA.
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	07-06-2017

**3. The proposal has been considered by SEIAA in its 140th 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:**

<b>I</b>	PP to submit plan to rationalize the inventory of Sodium Borohydrate.
<b>II</b>	PP shall comply with the conditions mentioned with ANNEXURE XX of the Office Memorandum issued MoEF&CC vide F.No.22034/2018-IA.III dt. 09.08.2018.

**General Conditions:**

<b>I</b>	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
<b>II</b>	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
<b>III</b>	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
<b>IV</b>	Proper Housekeeping programmers shall be implemented.
<b>V</b>	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.
<b>VI</b>	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
<b>VII</b>	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
<b>VIII</b>	Arrangement shall be made that effluent and storm water does not get mixed.
<b>IX</b>	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.
<b>X</b>	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.
<b>XI</b>	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.
<b>XII</b>	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.
<b>XIII</b>	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.
<b>XIV</b>	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
<b>XV</b>	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
<b>XVI</b>	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.

<b>XVII</b>	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.
<b>XVIII</b>	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
<b>XIX</b>	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
<b>XX</b>	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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
<b>XXI</b>	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.
<b>XXII</b>	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.
<b>XXIII</b>	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 <sub>2</sub> , NO <sub>x</sub> (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.
<b>XXIV</b>	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.
<b>XXV</b>	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.

# Government of Maharashtra

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
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