



सत्यमेव जयते

File No: IA-J-11011/5/2024-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate  
Change  
IA Division  
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Date 08/10/2024



To,

MR. SANJAY KHANDU TOTARE  
YASHICA PHARMACEUTICALS PRIVATE LIMITED  
Office 11/12, Shubham Apartment, Syndicate Bus Stop, Kalyan (W) , THANE, MAHARASHTRA,  
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**Subject:** Grant of prior Environmental Clearance (EC) to the proposed project " **Proposed Manufacturing of Synthetic Organic Chemical and Agrochemical Products**" located at Plot No. G 20, MIDC Lote Parshuram, Taluka Khed, Distt. Ratnagiri, Maharashtra by M/s Yashica Pharmaceuticals Pvt. Ltd" under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND3/467773/2024 dated 10/08/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A2002MH5549253N
(ii) File No.	IA-J-11011/5/2024-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(b) Pesticides industry and pesticide specific intermediates (excluding formulations),5(f) Synthetic organic chemicals industry
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	"Proposed Manufacturing of Synthetic Organic Chemical and Agrochemical Products"
(viii) Name of Company/Organization	YASHICA PHARMACEUTICALS PRIVATE LIMITED
(ix) Location of Project (District, State)	RATNAGIRI, MAHARASHTRA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for the proposed **manufacturing of Synthetic Organic Chemical and Agrochemical Products** located at Plot No. G 20, MIDC, Lote Parshuram, Taluka Khed, District Ratnagiri, Maharashtra by M/s Yashica Pharmaceuticals Pvt. Ltd.

4. The project/activity is covered under Category 'A' of item 5(b), & 5(f) Pesticide industry and synthetic organic chemical of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended).

5. The Standard ToR was issued by the Ministry vide letter no.IA-J-11011/5/2024-IA-II(I)dated 14.1.2024. The PP applied for Environment Clearance in the Common Application Form and submitted EIA/EMP Report and other documents. The PP in the Form reported that it is a Fresh EC case. The proposal was placed in the 84<sup>th</sup> EAC meeting on 22.8.2024, wherein the PP along with accredited Consultant, namely M/s. Perfact Enviro Solutions Pvt. Ltd, (NABET Accreditation No.: NABET/EIA/2225/RA 0284 Rev. 01 valid up to 26.11.2025] made a detailed presentation on the salient features of the project. The information submitted by the PP is as follows:

6. The total plot area is 9100 m<sup>2</sup> (0.91 ha) and no R& R is involved in the Project. The details of products to be manufactured are as follows:

Sr. No.	Products Name	Unit	Quantity	Physical State	Means of Storage	Transportation (by Road/Air/ Sea)	CAS number
<b>EC- Products</b>							
<b>5(b) - Major activity</b>							
1	2-Cyanoaniline	TPA	14.0	Solid	HDPE/Fiber Drum	By Road (Truck)	1885-29-6
<b>Total (5(b))</b>		TPA	14.0	-		-	-
<b>5(f) - Minor activity</b>							
1	Amlodipine Besylate	TPA	120.00	Solid	HDPE/Fiber Drum	By Road (Truck)	88150-42-9
2	Glimepiride	TPA	30.0	Solid	HDPE/Fiber Drum	By Road (Truck)	93479-97-1
3	Rosuvastatin Calcium	TPA	72.0	Solid	HDPE/Fiber Drum	By Road (Truck)	147098-20-2
4	Pantoprazole Sodium	TPA	240.0	Solid	HDPE/Fiber Drum	By Road (Truck)	138786-67-1
5	Atorvastatin Calcium	TPA	72.0	Solid	HDPE/Fiber Drum	By Road (Truck)	134523-00-5
6	Atenolol	TPA	180.0	Solid	HDPE/Fiber Drum	By Road (Truck)	29122-68-7
7	Fexofenadine Hydrochloride	TPA	60.0	Solid	HDPE/Fiber Drum	By Road (Truck)	153439-40-8
8	Olanzapine	TPA	60.0	Solid	HDPE/Fiber Drum	By Road (Truck)	132539-06-1
9	Montelukast sodium	TPA	24.0	Solid	HDPE/Fiber Drum	By Road (Truck)	151767-02-1
10	Carbidopa	TPA	30.0	Solid	HDPE/Fiber Drum	By Road (Truck)	28860-95-9
11	Hydroxychloroquine	TPA	48.0	Solid	HDPE/Fiber Drum	By Road (Truck)	747-36-4
12	Labetalol hydrochloride	TPA	60.0	Solid	HDPE/Fiber Drum	By Road (Truck)	33778-93-7
13	Lafutidine	TPA	26.0	Solid	HDPE/Fiber Drum	By Road (Truck)	118288-08-7
14	Aripiprazole	TPA	36.0	Solid	HDPE/Fiber	By Road (Truck)	129722-

					Drum		12-9
15	Levosulpride	TPA	30.0	Solid	HDPE/Fiber Drum	By Road (Truck)	23672-07-03
16	Folic acid	TPA	36.0	Solid	HDPE/Fiber Drum	By Road (Truck)	59-30-3
17	Ipratropium Bromide	TPA	30.0	Solid	HDPE/Fiber Drum	By Road (Truck)	60205-81-4
18	Albuterol	TPA	30.0	Liquid	HDPE/Fiber Drum	By Road (Truck)	18559-94-9
19	Saxagliptin	TPA	24.0	Solid	HDPE/Fiber Drum	By Road (Truck)	709031-78-7
20	Abacavir sulfate	TPA	36.0	Solid	HDPE/Fiber Drum	By Road (Truck)	188062-50-2
<b>Total (5f)</b>			<b>1,244.00</b>				
<b>Non-EC Products Formulation</b>							
1.	Formulation Of Omeprazole Capsules Ip 20 Mg	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	73590-58-6
2.	Formulation Of Itraconazole Capsules 100 Mg	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	-
3.	Formulation Of Lansoprazole 30 Mg Capsules	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	-
4.	Formulation Of Lansoprazole 15 Mg Capsules ( Usp)	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	-
5.	Formulation Of Itraconazole Capsules 200 Mg	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	84625-61-6
6.	Formulation Of Omeprazole & Domperidone Capsules Ip	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	TP70107
7.	Formulation Of Omeprazole 20 Mg + Domperidone 30 Mg Capsules	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	9010-88-2
8.	Formulation Of Pantoprazole Sodium Capsules Usp 20 Mg	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	138786-67-1
9.	Formulation Of Enteric Coated Pantoprazole & Domperidone Sustained Release Capsules Ip	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	57808-66-9
10.	Formulation Of Enteric Coated Rabeprazole with Levosulpride Capsules	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	-
11.	Formulation Of Enteric Coated Rabeprazole With Domperidone Capsules	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	VC17-947
12.	Formulation Of Enteric Coated Pantoprazole with Levosulpiride Caps	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	102625-70-7
13.	Formulation Of Pantoprazole Sodium	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	138786-67-1

	Capsules Usp 40 Mg 2 Size						
14.	Formulation Of Esomeprazole Magnesium Delayed Release Capsules 40 Mg Usp	No/A	1200000	Solid	Designated primary packing	By Road (Truck)	217087- 09-7
	<b>Total</b>	<b>No/A</b>	<b>16800000</b>				
<b>By-Products</b>							
1	30% HCl Solution	TPA	30.35	Solid	HDPE/Fiber Drum	By Road (Truck)	7647-01-0

7. The PP reported that there is no violation case as per the Notification No. S.O. 804(E) dated 14.03.2017 and no direction is issued under the E(P) Act/Air Act/Water Act.

8. The PP reported that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, and Wildlife Corridors etc. within 10 km distance from the project site. There are 22 schedule -I Species found in buffer zone of the study area i.e., *Accipiter badius* (Shikra), *Lutrogaleperspicillata* (Smooth-coated Otter), *Canis aureus* (Jackal), *Paradoxurus hermaphroditus* (Asian palm civet), *Anthracoceros coronatus* (Malabar Pied Hornbill), *Bucerosbicornis* (Great Hornbill), *Crocodilus palustris* (Marsh Crocodile), *Daboriarusselli* (Russell's Viper), *Haliasturindus* (Brahminy Kite), *Leiopicusmahrattensis* (Yellow-crowned Woodpecker), *Macaca radiata* (Bonnet Macaque), *Naja naja* (Cobra), *Ocyrceros griseus* (Malabar grey hornbill), *Pavo cristatus* (Peafowl), *Pericrocotuscinnamomeus* (Small Minivet), *Ptyas mucosa* (Rat Snake), *Python molurus* (Indian Python), *Varanus bengalensis* (Bengal Monitor), *Strixleptogrammica* (Brown Wood-Owl), *Tringanebularia* (Common Greenshank), *Urva auropunctata* (Small Indian Mongoose), *Urva edwardsii* (Indian Grey Mongoose) for which conservation plan has been submitted to CWW on 29.03.2024

9. The baseline data collected was done by NABL accredited laboratory namely M/s Perfact Researchers Pvt Ltd between **1<sup>st</sup> March 2023 to 31<sup>st</sup> May 2023**; Ambient air quality results for primary pollutants and specific pollutants as under show that the quality of air in the study area conforms to the NAAQS. **Core Zone:** - The mean value of PM<sub>10</sub> at two core zone locations ranges from (64.65-66.53 g/m<sup>3</sup>) & PM<sub>2.5</sub> ranges from (24.47-25.18 g/m<sup>3</sup>), SO<sub>2</sub> ranges from (11.71-12.05 µg/m<sup>3</sup>), NO<sub>2</sub> ranges from (21.13-21.75 g/m<sup>3</sup>), CO (0.46-0.48 mg/m<sup>3</sup>), VOC (0.26-0.27 mg/m<sup>3</sup>), HCl (0.23-0.24 mg/m<sup>3</sup>) and Cl<sub>2</sub> (0.28-0.29 mg/m<sup>3</sup>) which are within the limits of National Ambient Air Quality Standards (NAAQS).

10 The total water requirement during construction phase is 18 KLD which will be used @ 1 KLD for domestic purposes, 0.6 KLD will be used in flushing, 14.4 KLD will be used in Construction purpose and 2 KLD will be used in Dust suppression. **Non-Monsoon Water Requirement:** The total water requirement for the operational industry is 205.6 KLD out of which fresh water requirement is 144.8 KLD & treated water is 60.8 KLD. Fresh water will be used @ 10 KLD for domestic purposes, 40 KLD will be used in process for Non-EC Pharmaceuticals Formulations, 34 KLD will be used in process for EC products, 4 KLD will be used in Scrubber, 6 KLD for Washing, 48 KLD will be used in Boiler & 2.8 KLD will be used in Gardening. Treated effluent will be used @ 4 KLD for Washing & 50 KLD for Cooling. Treated sewage will be used @ 6.8 KLD will be used in Gardening. **Monsoon Water Requirement:** During the monsoon season the fresh water requirement will decrease from 144.8 KLD to 38.82 KLD. Remaining 105.98 KLD is met by rainwater. The total trade effluent from the production activities shall be 92 KLD. Out of 92 KLD, 22 KLD strong stream from process will be sent to Collection & Neutralization Tank through which 22 KLD of neutralized water will be obtained and then sent to MEE & ATFD of capacity 30 KLD. 70 KLD weak stream from process will be sent to ETP capacity of 100 KLD. 69 KLD of treated effluent will be sent to Bioreactor of capacity 100 KLD from where 35 KLD of treated effluent will be sent to CETP & 34 KLD treated effluent will be sent to RO of capacity 50 KLD. 28 KLD RO permeate along with RO reject of 6 KLD will be obtained. RO reject of 6 KLD is mixed with MEE effluent. 26 KLD condensate from the MEE shall be obtained for reuse, and the concentrates shall be dried in an agitated thin film dryer where the dried salts shall be disposed to TSDF

11. Power requirement will be 1250 kVA, which will be sourced from Maharashtra State Electricity Distribution Company Limited (MSEDCL). DG set complying to CPCB shall be installed 1 no. x 500 kVA with acoustic enclosures in compliance with rules in NCR region, these shall be operated only as standby during power failure with stack height of 12 m.

## 12. Details of emissions generation and its management

### Details of Flue Gas Stacks

Stack ID	Stack Attached To	Fuel Type	Stack Height (m)	Stack Dia (m)	Velocity (m/s)	APCM	Parameter	Emission Limits in mg/Nm <sup>3</sup>
01	DG SET-500 kVA	Diesel	12	0.2	14	Stack with Acoustic Enclosure	PM, SO <sub>2</sub> , NO <sub>x</sub> , CO	PM- 30 mg/Nm <sup>3</sup> SO <sub>2</sub> -190 mg/Nm <sup>3</sup> NO <sub>x</sub> -640 mg/Nm <sup>3</sup> CO-150 mg/Nm <sup>3</sup>
02	BOILER-5 TPH	Natural Gas	30	0.8	12	Adequate Stack Height	PM	PM- 150 mg/Nm <sup>3</sup>

### Details of Process Gas Stacks

Stack Attached To	Stack Height (m)	Stack Dia (m)	Flow (Nm <sup>3</sup> /hr)	Exist Velocity (m/sec)	Temp in K	APCM Detail	Emission Limits in mg/Nm <sup>3</sup>
Process Stack 1	25	1.00	6.12	7.8	300	2 stage water scrubber followed by Alkali Scrubber	HCl - 10 mg/Nm <sup>3</sup> TVOC - 0.5 mg/Nm <sup>3</sup> SO <sub>2</sub> - 50 mg/Nm <sup>3</sup>

## 13. Details of Solid waste/ Hazardous waste generation and its management:

Category	Type of Waste	Unit	Quantity		Treatment Method
			Proposed		
Biodegradable	Organic Waste	kg/day	9.89		Treatment in inhouse organic waste convertor (OWC) and use manure for horticulture development purposes in the premises
Non-Biodegradable	Recyclable Waste (Plastic, paper, wood, glass, etc)	kg/day	3.86		Will be given to authorized recycler
<b>Total (kg/day)</b>			<b>13.75</b>		-

### Non-Hazardous Waste

1	Packing Waste (Plastic waste)	TPA	10	Sell to authorised Vendor
3	Canteen Sludge	TPA	1.65	Sell to authorized Vendor
4	Office paper Waste	TPA	1	Sell to authorized Vendor
5	Glass Waste	TPA	1	Sell to authorized Vendor
6	M.S. Scrap	TPA	10	Sell to authorized Vendor
7	Wooden Pallets	Nos/Year	500	Sell to authorized Vendor

### Hazardous Waste

Sr. No.	Waste	Category (as per HWM Rules, 2016)	Unit	Quantity	Disposal

1	ETP Sludge from wastewater	35.3	TPA	422.4	Collection, Storage, Transportation and final disposal at common CHWTSDF
2	Distillation Residue	20.3	TPA	711.75	Collection, Storage, Transportation and final disposal at common CHWTSDF/Coprocessing
3	Spent Carbon	28.3	TPA	13.14	Collection, Storage, Decontamination, Transportation followed by incineration/ Coprocessing.
4	Spent Hyflo	28.3	TPA	8.76	Collection, Storage, Decontamination, Transportation, Reuse / Sale to authorised recycler under Rule 9.
5	Spent Catalyst	28.2	TPA	0.91	Collection, Storage, Transportation and final disposal at common CHWTSDF/Recycler having authorization under Rule 9
6	Liners & used container from packaging	33.1	TPA	100	Collection, Storage, Transportation, Sale to register re-processors/ Co-Processing.
7	Spent Oil/Used Oil	5.1	TPA	0.1	Sale to authorised recycler under Rule 9.
8	Process Residue & waste (from Aqueous ML from process)	28.1	TPA	162	Collection, Storage, Transportation and final disposal at common CHWTSDF/Coprocessing.
9	Spent Acid	26.3	TPA	5	Collection, Storage, Transportation and final disposal at common CHWTSDF/ Sale to authorised recycler under Rule 9
10	Recovered Solvent / Distilled Solvent	28.6	TPA	765	Collection, Storage, Transportation and final disposal at common CHWTSDF/Co-process site/ Sale to authorised recycler under Rule 9.
11	Off-Specification Drugs / Products / RMs	28.4	TPA	5	Collection, Storage, Transportation and final disposal for Coprocessing/CHWTSDF.
12	Date expired, discarded/ Products / RMs	28.5	TPA	5	
13	Spent Solvent	20.2	TPA	75	Collection, Storage, Transportation and final disposal at common CHWTSDF/Coprocessing/ Sale to authorised recycler under Rule 9.
14	MEE Evaporation Residue	37.3	TPA	66.06	Collection, Storage, Transportation and final disposal at common CHWTSDF.

#### E-Waste

Name of the Waste	Source	Qty (TPA)	Mode of disposal	Mode of Transport
E-Waste	Office electronics items	0.01	Sell/dispose to authorized vendor	By road

#### Battery Waste

Name of the Waste	Source	Qty (TPA)	Mode of disposal	Mode of Transport
Battery waste	Used battery	1.0	Sell/dispose to authorized	By Road

			vendor	
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**Bio-medical Waste**

Name of the Waste	Source	Qty (TPA)	Mode of Disposal	Mode of Transport
Soiled Waste	First Aid Centre	0.05	Will be given to CBMWTDF	By Road
Expired or discarded medicine	First Aid Centre	0.05	Will be given to CBMWTDF	By Road
Contaminated Waste (Recyclable)	First Aid Centre	0.005	Will be given to CBMWTDF	By Road
Glassware	First Aid Centre	0.005	Will be given to CBMWTDF	By Road

**Plastic Waste**

Name of the Waste	Source	Qty (TPA)	Mode of Disposal	Mode of Transport
Plastic Waste	Site Office and Admin	1.00	Will be sold to authorized recycler	By Road

14. The Budget earmarked towards the Environmental Management Plan (EMP) is 2.4 Crores (capital) and the Recurring Cost (operation and maintenance) will be about 0.7 Crores, Industry proposes to allocate Rs. 0.6 Crores towards Corporate Environment Responsibility.

<b>Capital Cost</b>		
Sr. No.	Particulars	INR Lakhs
1	Air management	35
2	Solid waste management	10
3	Wastewater management	170
4	Landscaping / plantation	4.5
5	Rain water harvesting	11
6	Misc. (Health & Safety)	9.5
<b>Total</b>		<b>240</b>

<b>Recurring Cost</b>		
Sr. No.	Particulars	INR Lakhs
1	Air management	5
2	Solid Waste management	20
3	Wastewater management	30
4	Landscaping / plantation	2
5	Rain water harvesting	2
7	Environment Monitoring	6
8	Occupational Health & Safety	5
<b>Total</b>		<b>70</b>

15. The PP reported that the project, being in notified industrial area i.e., MIDC, Lote Parshuram which is declared as notified area vide IDC/2173/15137IND-i (B) 27.2.1974 is exempted from the public hearing as per the Ministry's O.M. J-11011/321/2016-IA. II(I) dated 27.04.2018.

16. Proposed greenbelt area is 3200.32 m<sup>2</sup> of area within plot premises (35.17 % of the plot area).

17. The PP proposed to set up an Environment Management Cell (EMC) by engaging Environment officials for the functioning of EMC.

18. The PP submitted the Disaster Management Plan and On-site and Off-site Emergency Plans in the EIA report.

19. The total cost of the product is INR 20 Crores. During the Construction phase, there will be 30 nos. of employees and during the Operational phase, there will be 70 nos. employee.

## 20. **Deliberations by the EAC**

During deliberations, EAC discussed the following issues:

- PP submitted the revised water balance for monsoon and non-monsoon and wastewater and treated water characteristics

### **During Operation Phase: -**

**Non-Monsoon Water Requirement:** The total water requirement for the operational industry is 205.6 KLD out of which fresh water requirement is 144.8 KLD, treated effluent is 54 KLD & treated sewage is 6.8 KLD. Fresh water will be used @ 10 KLD for domestic purposes, 40 KLD will be used in process for Non-EC Pharmaceuticals Formulations, 34 KLD will be used in process for EC products, 4 KLD will be used in Scrubber, 6 KLD for Washing, 48 KLD will be used in Boiler & 2.8 KLD will be used in Gardening. Treated effluent will be used @ 4 KLD for Washing & 50 KLD for Cooling. Treated sewage will be used @ 6.8 KLD will be used in Gardening.

**Monsoon Water Requirement:** During the monsoon season the fresh water requirement will decrease from 144.8 KLD to 54 KLD. Remaining is met by rainwater.

The total trade effluent from the production activities shall be 92 KLD. Out of 92 KLD, 22 KLD strong stream from process will be sent to Collection & Neutralization Tank through which 22 KLD of neutralized water will be obtained and then sent to MEE & ATFD of capacity 30 KLD. 70 KLD weak stream from process will be sent to ETP capacity of 100 KLD. 69 KLD of treated effluent will be sent to Bioreactor of capacity 100 KLD from where 35 KLD of treated effluent will be sent to CETP & 34 KLD treated effluent will be sent to RO of capacity 50 KLD. 28 KLD RO permeate along with RO reject of 6 KLD will be obtained. RO reject of 6 KLD is mixed with MEE effluent. 26 KLD condensate from the MEE shall be obtained for reuse, and the concentrates shall be dried in an agitated thin film dryer where the dried salts shall be disposed to TSDF.

- PP submitted the details non-hazardous waste and hazardous waste generation and its management:

### **Non-Hazardous Waste:**

Sr. No.	Process Waste	Unit	Quantity of Generation	Disposal
1	Packing Waste (Plastic waste)	TPA	10	Sell to authorised vendor
3	Canteen Sludge	TPA	1.65	Sell to authorized vendor
4	Office paper Waste	TPA	1	Sell to authorized vendor
5	Glass Waste	TPA	1	Sell to authorized vendor
6	M. S. Scrap	TPA	10	Sell to authorized vendor
7	Wooden Pallets	Nos/Year	500	Sell to authorized vendor
8	Wet Waste (Garbage)			Shall be converted into compost at site

### **Hazardous Wastes**

Sr. No.	Waste	Category (as per HWM Rules, 2016)	Unit	Quantity	Disposal
1	ETP Sludge from wastewater	35.3	TPA	422.4	Collection, Storage, Transportation and final disposal at common CHWTSDF
2	Distillation Residue	20.3	TPA	711.75	Collection, Storage, Transportation and final disposal at common CHWTSDF/Coprocessing
3	Spent Carbon	28.3	TPA	13.14	Collection, Storage, Decontamination, Transportation followed by incineration/ Co processing.



4	Spent Hyflo	28.3	TPA	8.76	Collection, Storage, Decontamination, Transportation, Reuse / Sale to authorised recycler under Rule 9.
5	Spent Catalyst	28.2	TPA	0.91	Collection, Storage, Transportation and final disposal at common CHWTSDF /Recycler having authorization under Rule 9
6	Liners & used container from packaging	33.1	TPA	100	Collection, Storage, Transportation, Sale to register re-processors/ Co-Processing.
7	Spent Oil/Used Oil	5.1	TPA	0.1	Sale to authorised recycler under Rule 9.
8	Process Residue & waste (from Aqueous ML from process)	28.1	TPA	162	Collection, Storage, Transportation and final disposal at common CHWTSDF/Co processing.
9	Spent Acid	26.3	TPA	5	Collection, Storage, Transportation and final disposal at common CHWTSDF/ Sale to authorised recycler under Rule 9
10	Recovered Solvent / Distilled Solvent	28.6	TPA	765	Collection, Storage, Transportation and final disposal at common CHWTSDF/Co-process site/ Sale to authorised recycler under Rule 9.
11	Off-Specification Drugs / Products / RMs	28.4	TPA	5	Collection, Storage, Transportation and final disposal for Co-processing/CHWTSDF.
12	Date expired, discarded/ Products / RMs	28.5	TPA	5	
13	Spent Solvent	20.2	TPA	75	Collection, Storage, Transportation and final disposal at common CHWTSDF/Coprocessing/ Sale to authorised recycler under Rule 9.
14	MEE Evaporation Residue	37.3	TPA	66.06	Collection, Storage, Transportation and final disposal at common CHWTSDF.

#### Other Wastes

##### E-Waste

Name of the Waste	Source	Qty (TPA)	Mode of disposal	Mode of Transport
E-Waste	Office electronics items	0.01	Sell/dispose to authorized vendor	By road

##### Battery Waste

Name of the Waste	Source	Qty (TPA)	Mode of disposal	Mode of Transport
Battery waste	Used battery	1.0	Sell/dispose to authorized vendor	By Road

##### Bio-Medical Waste

Name of the Waste	Source	Qty (TPA)	Mode of Disposal	Mode of Transport
Soiled Waste	First Aid Centre	0.05	Will be given to CBMWTF	By Road
Expired or discarded medicine	First Aid Centre	0.05	Will be given to CBMWTF	By Road
Contaminated Waste (Recyclable)	First Aid Centre	0.005	Will be given to CBMWTF	By Road

Glassware	First Aid Centre	0.005	Will be given to CBMWTFD	By Road
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**Plastic Waste**

Name of the Waste	Source	Qty (TPA)	Mode of Disposal	Mode of Transport
Plastic Waste	Site Office and Admin	1.00	Will be sold to authorized recycler	By Road

- PP submitted the Life Cycle assessment & Carbon Sequestration
- PP submitted the emission limit in mg/Nm<sup>3</sup>

Stack ID	Stack Attached To	Fuel Type	Stack Height (m)	Stack Dia (m)	Velocity (m/s)	APCM	Parameter	Emission Limits in mg/Nm <sup>3</sup>
01	DG SET-500 kVA	Diesel	12	0.2	14	Stack with adequate height	PM, SO <sub>2</sub> , NO <sub>x</sub> , CO	PM- 30 mg/Nm <sup>3</sup> SO <sub>2</sub> -190 mg/Nm <sup>3</sup> NO <sub>x</sub> -640 mg/Nm <sup>3</sup> CO-150 mg/Nm <sup>3</sup>
02	BOILER-5 TPH	Natural Gas	30	0.8	12	Stack with Adequate Height	PM	PM- 150 mg/Nm <sup>3</sup>

- PP submitted the details of CER activities

S. No.	Activity	Highlights of Activities	Year I in INR Lakhs	Year II in INR Lakhs	Year III in INR Lakhs	Total in INR Lakhs
1	Renewable Energy harvesting	Installation of solar lights/ panels and street lights (50 kW) to conserve energy in government schools and the nearest village road.	6.67	6.67	6.66	20
2	Green belt development in Government schools and Village panchayats	Plantation of saplings in nearest schools and in nearest Panchayat ~ 2000 Nos.	13.34	13.34	13.32	40
<b>Total Cost in INR Lakhs</b>						<b>60</b>

The committee was satisfied with the response provided by PP on above information.

The EAC constituted under the provisions of the EIA Notification, 2006 comprising expert members /domain experts in various fields, examined the proposal submitted by the PP in desired format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the PP.

The EAC noted that the PP has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the PP.

The EAC noted that the EIA reports are in compliance with the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The EAC deliberated on the proposed mitigation measures towards Air, Water, Noise and Soil pollutions. The EAC advised that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and

best practices.

The EAC deliberated on the Onsite and Offsite Emergency plans and various mitigation measures to be proposed during the implementation also of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The expert members of the EAC found the proposal in order and recommended for grant of environmental clearance.

The EAC is of the view that its recommendation and grant of environmental clearance by the regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The PP shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

21. The EAC, after detailed deliberations, recommended the project for the grant of environmental clearance, subject to the compliance of the terms and conditions, and general terms and conditions in Annexure 1.

22. Based on the recommendations made by EAC in its 84th meeting of the Expert Appraisal Committee (Industry-3 sector), held on 21-22 August, 2024, Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for **“Proposed Manufacturing of Synthetic Organic Chemical and Agrochemical Products” located at Plot No. G 20, MIDC Lote Parshuram, Taluka Khed, Distt. Ratnagiri, Maharashtra by M/s Yashica Pharmaceuticals Pvt. Ltd** under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at Annexure-1. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

23. General Instructions:

(a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

(b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

(c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

(d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

24. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

25. This issues with the approval of the Competent Authority

### **Copy To**

1. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
2. The Secretary, Environment and Climate Change Department, Govt. of Maharashtra, New Administrative Bhavan, 15th Floor, Madame Cama Road, Mantralaya, MUMBAI - 400032, Maharashtra, India.
3. The Office of the Principal Chief Conservator of Forests (Head of Forests Force) M.S. Nagpur, 3rd Floor Van Bhavan Ramgiri Road Civil Lines Nagpur 440 001.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032.
5. The Member, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 110011.
6. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
7. The District Collector, Collector Office, Jaystambh, Ratnagiri -415612.
8. Guard File/Record File/Monitoring File/MoEF&CC Website.

### **Annexure 1**

#### **Specific EC Conditions for (Synthetic Organic Chemicals Industry)**

#### **1. Specific**

<b>S. No</b>	<b>EC Conditions</b>
<b>1.1</b>	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
<b>1.2</b>	Stack of 30 m height shall be provided to natural gas fired boiler 5 TPH to disperse the flue gas.

S. No	EC Conditions
	Stack height of 12 m shall be provided to Diesel fired DG set of 500 kVA as per CPCB norms.
1.3	Two stage water and alkali Scrubbers system along with stack height of 25 m shall be provided to control process emissions viz., HCl, TVOC and SO <sub>2</sub> . The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards
1.4	Fresh water requirement from MIDC water supply shall not exceed 145 KLD.
1.5	NOC from the Concerned Authority shall be obtained before start of the construction of plant and drawing water from MIDC water source. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
1.6	The total trade effluent from the production activities shall not exceed 92 KLD. Effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High COD/TDS effluent stream shall be passed through stripper followed by MEE and ATFD. Low COD/TDS effluent stream shall be treated in the ETP comprising primary, secondary and tertiary treatment facility. Out of which, 35 KLD of treated effluent shall be sent to CETP after achieving inlet norms of CETP as per CPCB/SPCB norms. Remaining treated effluent shall be recycled/reused in the process and cooling tower make up. Sewage shall be treated in the STP and treated water shall be reused for horticulture purpose. Treated effluent shall be passed through pit with online monitoring devices such as pH meter, flow meter and TOC analyzer.
1.7	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.
1.8	<p>The green belt has been developed in 3200.32 m<sup>2</sup> (35.17 % of the total plot area), mainly along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before &amp; after with geo-location date &amp; time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&amp;CC before 1st July of every year for the activities carried out during previous year.</p> <p><b>Plantation of saplings shall be carried out as a part of tree plantation campaign "EK PED MA ke NAAM" and details of the same to be uploaded in the MeriLiFE portal (<a href="https://merilife.nic.in">https://merilife.nic.in</a>) in respect to this Ministry's OM No. IA3-22/3/2024-IA.III(E-241594) dated 24th July 2024.</b></p>

S. No	EC Conditions
1.9	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Environment officials. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1 <sup>st</sup> July of every year for the activities carried out during the previous year.
1.10	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under existing EMP Rs.240 lakhs (Capital cost) and 70 Lakhs per Annum (Recurring cost)] shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1 <sup>st</sup> July of every year for the activities carried out during the previous year.
1.11	All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as ETP sludge shall be either sent to TSDF. Spent catalyst shall be sent to Authorized recyclers. Municipal solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet waste shall be converted into compost and used as manure for greenbelt development.
1.12	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.13	The project proponent shall comply with the environment norms for synthetic organic chemical as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21.7.2010 under the provisions of the Environment (Protection) Rules, 1986.
1.14	The project proponent shall comply with the environment norms for 'Pesticide Industry' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13.6.2011 under the provisions of the Environment (Protection) Rules, 1986.
1.15	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.

S. No	EC Conditions
1.16	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
1.17	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
1.18	The occupational health center for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
1.19	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
1.20	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
1.21	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.
1.22	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places.
1.23	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
1.24	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of

S. No	EC Conditions
	Notification published by MOEFCC on 12 <sup>th</sup> August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

**Standard EC Conditions for (Synthetic organic chemicals industry)**

**1.**

S. No	EC Conditions
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.4	The overall noise levels in and around the plant area 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 conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
1.7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
1.8	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of



S. No	EC Conditions
	CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
1.9	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
1.10	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.11	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
1.12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

**Additional EC Conditions**

N/A

