भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

BY SPEED POST
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File No.- J-11011/368/2006-IA-II (I)

Date: 31st July 2007

To,

M/s Cipla Ltd.
D-27 MIDC Industrial Area
Kurkumbh
Pune- 413 802
Maharashtra

Subject: **320 MT Bulk Drug and 2000 MNA Formulation Unit at Kurkhumbh, Daund, Pune, Maharashtra by M/s Cipla Ltd. - Environmental Clearance reg.**

Sir,

Kindly refer to your letter No. nil dated 11th October 2006 and 30th January 2007 seeking environmental clearance for the above-mentioned project.

2. The Ministry of Environment and Forests has examined the proposal. It is noted that the proposal is to set up a new 320 MT Bulk Drug and 2000 Million Numbers per Year (MNA) Formulations Unit at D- 27, MIDC Industrial Estate, Kurkumbh in Daund Taluka in District Pune in the State of Maharashtra. Six number of products in the categories of Anti-retroviral, Anti-inflammatory, Anti-diabetic, Anti-bacterial, Anti-psychotic, Anti-hypertensive, with total manufacturing capacity of 320 MT/Year will be produced. Cost of the project is Rs. 384.00 Crores, out of which Rs. 4.00 Crores has been be earmarked for environmental protection measures. The land area required for the project is 16 Ha out of which 5.5 Ha has been earmarked for green belt development. No Forestland is involved in the project and no ecologically sensitive zone exists in 7 km periphery of the project site. The water requirement of the project is 600 m3/day which is proposed to be obtained from MIDC. 355 m3/day of effluent will be generated. The treated effluent will be recycled and rejects will be sent to multiple effect evaporator and concentrated residue will be sent to incinerator. The project does not involve any R& R.

3. The project is scheduled as category 5 (f) of the EIA Notification, 2006. The project was considered as per the procedure in EIA Notification, 1994 in accordance with Para 2.1.1. (i) of Interim Operational Guidelines of MoEF dated 13th October, 2006 as EIA/EMP report was submitted and the Public Hearing was conducted on 21st July 2006.

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4. Based on the information submitted by you, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to the compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS

i. Benzene shall not be used as solvent. Use of toxic solvents like Methylene Chloride (M.C.) etc. shall be minimized to the extent possible.

ii. Regular monitoring of all relevant parameters including HBr, HCl, NH3, VOC, CO and HCs at various probable locations in the ambient air, work zone and final vents shall be carried out and results submitted to the Ministry.

iii. Fugitive emissions of all relevant parameters in work zone area, products and raw materials storage area and ambient air shall be carried out as per CPCB Guidelines. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.

iv. The Unit shall explore the possibility of sending the high calorific spent residue to the cement plants.

v. Natural Gas shall be used as fuel in Steam Boiler and Incinerator.

vi. The bulk materials shall be stored in separate solvent tank farms and in MS/SS tanks.

vii. The gaseous emissions (SO_2, NO_x, VOC, HC, HBr, NH3, CO and HCl) along with particulate matter and RSPM from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.

viii. Regular monitoring of all relevant paramenters in the ambient air shall be carried out. The locations of ambient air quality monitoring stations shall be set up in consultation with the State Pollution Control Board (SPCB) and at least one station shall be put in the downwind direction as well as where maximum ground level concentration is anticipated.

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ix. Two Boilers, one Incinerator and four (4) D.G. Sets will be the main air pollution sources. The stacks with the boilers and incinerator shall be of 30 m height and DG sets stacks will be of h+ 7.5 M height. The incinerator and DG Sets will be fitted with scrubber and muffler respectively with 100 % efficiency. The SPM emissions from the Boiler, Incinerator and DG Sets shall be 70-80, 50-70 and 40-50 mg/nm3.

x. Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.

xi. The solvent recovery shall be further increased up to 98%. Closed handling systems for chemicals and solvents shall be provided. Magnetic seals shall be provided for pumps/agitators for reactors for reduction of fugitive emissions. Chilled Brine based condensers shall be used to prevent VOC emissions. Solvent traps shall be installed wherever necessary.

xii. All venting equipment shall have vapour recovery system. All the pumps and other equipment's where there is a likelihood of HC leakages shall be provided with Leak Detection and Repair (LDAR) system and LEL indicators and Hydrocarbon detectors. Provision for immediate isolation of such equipment, in case of a leakage shall also be made. The company shall provide a well defined Leak Detection and Repair (LDAR) programme for quantification and control of fugitive emissions. The detectors sensitivity will be in ppm levels.

xiii. All the storage tanks will be under negative pressure to avoid any leakages. Breathers, N2 blanketing and condensers will be provided for all the storage tanks.

xiv. Spent solvents shall be recovered as far as possible & recovery shall not be less than 98 percent. Solvent vapours emitted during purification process from purification tanks as fugitive emissions shall be reduced as far as possible. All venting equipment shall have vapour recovery system.

xv. Industry shall switch over to aqueous based coating film in place of use of Methylene Chloride in coating operation and to non-halogenated solvents in place of halogenated solvents in a phased manner.

xvi. No ground water shall be used for the project.

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xvii. The effluent generation shall not exceed 355 m3/d. The wastewater generated from the plant will be segregated. The low COD low TDS stream will be treated through Primary treatment followed by Anaerobic Lagoon and Activated Sludge followed by Tertiary Treatment as Pressure Sand and Activated Charcoal Filters followed by Reverse Osmosis. High TDS and low COD stream will be taken to liquid cum solid waste MEE System and High Organic (high COD) stream will be incinerated. The Biodegradable stream will be treated upto tertiary treatment. The treated effluent shall be recycled for use.

xviii. About 250 Mt/y of Plastic, Glass, Ferrous and other scraps will be generated from the project which will be sold off. Used / spent oil, Spent solvents, Spent catalyst/ Spent carbon, Date expired, discarded and off-specification drugs /medicines, Spent mother liquor, Spent organic solvents, Discarded containers/ barrels / liners / used for hazardous wastes/chemicals, Chemical sludge, oil and grease skimming residue from ETP, Sludge from wet scrubbers, Ash from incineration of hazardous waste and flue gas cleaning residues will be the hazardous waste generated from the project. These shall be either incinerated or sold out to authorized reprocessors.

xix. The unit shall install their own incinerator for incineration of Hazardous Waste or send it to Mumbai Waste Management, Taloja. The incinerator shall meet the CPCB standards and guidelines. Emissions from the incinerator shall be with in the prescribed norms for the incinerators. Monitoring Protocol as prescribed in these standards shall be followed.

xx. 5.5 Ha of the area shall be developed as green belt as per the CPCB guidelines.

xxi. The project authorities shall earmark separate funds of Rs 4.00 Crores for Environment Control and adequate funds every year as O&M cost of pollution control system and to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.

B. GENERAL CONDITIONS :

i. The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.

ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case

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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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

iii. At no time, the emissions shall exceed the prescribed limits. In the event of 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 achieved.

iv. 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 "Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

v. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in 2000 for handling of hazardous chemicals. Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the expansion project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented. Regular mock drills shall be carried out for both On-site and Off-Site plans. Safer modes of transportation of Hazardous Chemicals than the transportation by road shall be explored with time. Transportation of Hazardous Chemicals shall be as per the rules under the MVA, 1989.

vi. The company shall undertake following Waste Minimization measures.

- Metering and control of quantities of active ingredients to minimize waste.
- Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- Use of automated filling to minimize spillage.
- Use of "Close Feed" system into batch reactors.
- Venting equipment through vapour recovery system.
- Use of high pressure hoses for equipment clearing to reduce wastewater generation

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(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

(viii) Usage of PPEs by all employees/ workers shall be ensured.

(ix) The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.

(x) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

(xi) The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).

(xii) All the recommendations made by the consultants in respect of environmental management and risk mitigation measures relating to the project in the EIA/EMP Report shall be implemented.

(xiii) The company shall undertake all relevant measures, as indicated during the Public Hearing for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration.

(xiv) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.

(xv) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

(xvi) The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be up loaded on the web site of the Project.

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(xvii) 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 at http://envfor.nic.in. 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.

(xviii) 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.

5. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

6. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

7. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(Sanchita Jindal)
Additional Director

Copy to :

1. The Secretary, Department of Environment & Energy, Government of Maharashtra, Room No. 403, 4th Floor, Mantralaya, Mumbai-400 032, Maharashtra.

2. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (WZ),E-5, Arera Colony, Link Road-3, Bhopal : 462 016, Madhya Pradesh.

3. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.

4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Matunga Scheme Road, Road No. 6, Opp. Cine Planet, Circle Sion (E), Mumbai -400022, Maharashtra.

Contd.

5. Advisor (CC-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.

6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.

7. Guard File

8. Monitoring File

9. Record File

10. Web site of MoEF

(**Sanchita Jindal**)
Additional Director

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), Maharashtra)

To,

The VICE PRESIDENT TECHNICAL
CIPLA LTD D27 UNIT II MIDC KURKUMBH
CIPLA LIMITED, UNIT II, PLOT NO. D27, MIDC KURKUMBH, TALUKA - DAUND, DISTRICT - PUNE, STATE - MAHARASHTRA. -413802

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/IND3/70271/2018 dated 21 Dec 2021. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23B021MH194305**
2.	**File No.**	SIA/MH/IND3/70271/2018
3.	**Project Type**	Expansion
4.	**Category**	B1
5.	**Project/Activity including Schedule No.**	5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk
6.	**Name of Project**	Expansion of Bulk Drugs and Intermediates Manufacturing Unit (API) from 160 MTPA to 220 MTPA by M/s. Cipla Limited (Unit - II) located at Plot No.: D - 27, MIDC Kurkumbh, Taluka: Daund, District: Pune, State: Maharashtra.
7.	**Name of Company/Organization**	CIPLA LTD D27 UNIT II MIDC KURKUMBH
8.	**Location of Project**	Maharashtra
9.	**TOR Date**	24 May 2018

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 18/05/2023

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (Maharashtra)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND3/70271/2018
Environment & Climate Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. Cipla Limited,
Plot No.: D - 27, MIDC Kurkumbh,
Taluka: Daund, District: Pune

Subject : Environmental Clearance for Expansion of Bulk Drugs and Intermediates Manufacturing Unit (API) from 160 MTPA to 220 MTPA (Unit - II) located at Plot No.: D - 27, MIDC Kurkumbh, Taluka: Daund, District: Pune by M/s. Cipla Limited

Reference : Application no. SIA/MH/IND3/70271/2018

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 205th & 215th meeting under screening category 5(f) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 258th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

1.Name of Project	M/s. CIPLA Ltd. (Unit - II)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mangesh Vaze (Senior Technical Director)
4.Name of Consultant	Equinox Environments (India) Private Limited (EEIPL), Kolhapur
5.Type of project	Other-Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Expansion of existing bulk drugs and intermediate manufacturing unit (API).
7.If expansion /diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance from MoEF, New Delhi Dated 31st July 2007
8.Location of the project	Unit – II, Plot No. D – 27, MIDC Kurkumbh, Tal.: Daund, Dist.: Pune, Maharashtra.
9.Taluka	Daund

10.Village	Kurkumbh
Correspondence Name:	Mr. Mangesh Vaze (Senior Technical Director)
Room Number:	Plot No. D-27 in MIDC Industrial Area
Floor:	Ground Floor
Building Name:	Administration
Road/Street Name:	MIDC Kurkumbh,
Locality:	MIDC Kurkumbh, Taluka: Daund
City:	Pune
11.Whether in Corporation /Municipal / other area	Other Area
12.IOD/IOA/Concession/ Plan Approval Number	Not Applicable, Since it's an Industrial Project
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 28264
13.Note on the initiated work (If applicable)	Not Applicable; No work initiated on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Existing unit of Cipla Ltd. (Unit-II) is located in notified MIDC area i.e. Kurkumbh MIDC
15.Total Plot Area (sq. m.)	1,60,000 Sq. M.
16.Deductions	NA
17.Net Plot area	1,60,000 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	12671 Sq. M.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8 %
21.Estimated cost of the project	151100000

22.Number of buildings & its configuration

Serial numb	Building Name & number	Number of floors	Height of the building (Mtrs)

er			
1	API -I	G+3=4	21
2	API -II	G+2 =3	17
3	Store	G+1 =2	11.2
4	QA/QC Building	G+1 =2	10
5	Engg. Office + Utility Building	G+1 =2	8.95
6	ETP RO Building	G = 1	8.1
7	ETP MEE Room & Lab	G+1 =2	7.75
8	DP Store	G = 1	5.45
9	Acid Shade	G = 1	5
10	Pump House	G = 1	4.9
11	Admin Building	G = 1	4.75
12	HT Breaker Room	G = 1	4.75

23.Number of tenants and shops	Not applicable
24.Number of expected residents /users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	25-Meter-wide roads provided by MIDC. The MIDC Fire Station is at about 0.5 km from project site.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the	Internal roads with minimum 6-meter width and 9-meter turning radius

plantation	
29.Existing structure (s) if any	Yes, Existing Plant Built up Area – 28,264 Sq. M.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Darunavir Hydrate (Anti-Retroviral	0.12	00	0.12
2	Darunavir Ethanolate (Anti-Retroviral)	0.17	00	0.17
3	Efavirenz (Anti-Retroviral)	0.41	00	0.41
4	Tenofovir Disoproxil Fumarate (Anti-Retroviral)	7.56	4.16	11.72
5	Emtricitabine (Anti- Retroviral)	0.11	00	0.11
6	Lamotrigine (Anti-Consulvant)	0.55	00	0.55
7	Trimetzidine Dihydrochloride (Anti- Anginal)	1.4	00	1.4
8	Ranolazine (Anti-Anginal)	0.09	00	0.09
9	SMK (Anti-Ulcerative)	0.16	00	0.16
10	Pantaprazole Sodium Sesquihydrate (Anti- Ulcerative)	0.05	00	0.05
11	Esomeprazole Magnesium Dihydrate (Anti-	0.08	00	0.08

	Ulcerative)			
12	Lansoprazole (Anti- Ulcerative)	0.13	00	0.13
13	Escitalopram Oxalate (Anti-Depressant)	0.05	00	0.05
14	Citalpram Hydrobromide (Anti- Depressant)	1.24	00	1.24
15	Olmesartam Medoximil (Anti-Hypertensive)	0.17	00	0.17
16	Losartan Potassium (Anti-Hypertensive)	0.26	00	0.26
17	Sibutramine Hydrochloride (Anti- Obesity)	0.13	00	0.13
18	Celecoxib (Anti-Inflammatory)	0.29	00	0.29
19	Raloxifine Hydrochloride (Bone Resorption Inhibitor)	0.11	00	0.11
20	Terbinafine Hydrochloride (Anti Fungal)	0.25	00	0.25
21	Eluxadoline (Anti-Spasmodics)	00	0.005	0.005
22	Bictegravir (Investigational Drug, Clinical trial 3 ongoing) (Integrase Inhibitor)	00	0.03	0.03
23	R & D Product	00	0.05	0.05
24	Atazanavir Sulphate (Anti-Retroviral)	0	0.25	0.25
25	Tenofovir Alafenamide Fumarate (Anti-Retroviral)	0	0.45	0.45
32.Total Water Requirement				

Dry season:	**Source of water**	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	473
	Recycled water - Flushing (CMD):	88 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	561
	Fire fighting - Underground water tank(CMD):	1000
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC Water Supply Scheme - The MIDC procures water from Victoria Dam and after treatment the same is provided to different industries in the MIDC.
	Fresh water (CMD):	181
	Recycled water - Flushing (CMD):	88 (In Cooling Makeup)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	269

	Fire fighting - Underground water tank(CMD):	1000
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	**Consumption (CMD)**			**Loss (CMD)**			**Effluent (CMD)**		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	16	00	16	2	00	2	14	00	14
Industrial Process	45	12	57	00	00	00	46	16	62
Cooling tower & thermopack	98	98	196	83	88	171	15	10	25
Gardening	37	255	292	37	255	292	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-Monsoon - 2.00 to 5.00 mbgl Post-Monsoon – less than 2 mbgl
	Size and no of RWH tank(s) and Quantity:	1 RWH Tank of capacity 2828 M3
	Location of the RWH tank(s):	near ETP is provided on site.
	Quantity of recharge pits:	2828 M3
	Size of recharge pits :	52 X 34.2 M
	Budgetary allocation	Rs. 20 Lakhs

	(Capital cost) :	
	Budgetary allocation (O & M cost) :	Rs. 5 Lakhs
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	Dendritic Pattern
	Quantity of storm water:	2344 M
	Size of SWD:	0.5 W X 1.2 H M
Sewage and Waste water	**Sewage generation in KLD:**	14
	STP technology:	There is no provision of STP on site. The domestic sewage is treated in existing ETP and same would be followed under expansion.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	No Major construction would be done since most of infrastructure would be used from existing unit. In existing premises, only few equipment's and machinery would be installed as per requirement.
	Dry waste:	Plastic, Glass, Ferrous, Wooden, Metal Scrap (Kg/A), Existing- 125, Exp. 10, Total-135, 2. Battery Waste (Kg/A) Existing- 2, Exp. 1, Total-3, 3.E-Waste (Kg/A) Existing- 2, Exp. 1, Total-3,, 4. Discarded containers, drums, carboys, etc (Nos./A). Existing- 2400,. Exp. 1000, Total-3400,

Waste generationin the operation Phase:	**Wet waste:**	NA
	Hazardous waste:	Cat. 5.1 - Used / Spent Oil - (Lit/M) Existing- 200, Expansion- 100, Total- 300, 2. Cat. 26.3 – Spent Acid - (MT/M) Existing -30, Expansion- 5, Total -35, 3. Cat. 28.6 - Spent Solvents (KL/M) Existing - 378.5, Expansion-102, Total-480.5, 4. Cat. 28.2 – Spent catalyst & .Cat. 28.3 – Spent Carbon (Kg/M) Existing -125, Expansion -200, Total- 325, Cat. 28.5 – 5. Date expired, discarded / chemicals /medicines & Cat. 28.4 – Off-specification drugs/ chemicals /medicines (Kg/M)- Existing -1500, Expan
	Biomedical waste (If applicable):	NA
	STP Sludge (Drysludge):	NA
	Others if any:	NA
Mode of Disposalof waste:	**Dry waste:**	Sale to Authorized Party
	Wet waste:	NA
	Hazardous waste:	Sale to Authorized Party / Sale to Authorized Re-processor / CHWTSDF (Membership No.- MEPL/33003270 -Valid up to 01.05.2023) / Co processing
	Biomedical waste (If applicable):	NA
	STP Sludge (Drysludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	North East direction of Plot area - Plot No. D-27, MIDC Kurkumbh, Daund, Pune, Maharashtra.
	Area for the storageof waste & other material:	84 Sq. M.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9 Lakhs
	O & M cost:	Rs. 38.65 Lakhs

37.Effluent Charecterestics

Seria l Numb	Parameters	Unit	Inlet Effluent Charecteres	Outlet Effluent Charecteres	Effluent discharge standards

er			tics	tics	(MPCB)
1	BOD	mg/lit	1800 – 4600	2 – 14	100
2	COD	mg/lit	6500 – 15000	7 – 61	250
3	TDS	mg/lit	100 – 800	5 – 28	2100
4	pH	--	7 - 8	7-7.5	5.5 - 9.0
5	SS	mg/lit	2000 - 3100	170 - 280	100

Amount of effluent generation(CMD):	101
Capacity of the ETP:	150
Amount of treated effluentrecycled :	88
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Trade effluent generated would be the tune of 101 CMD whereas domestic effluent generated would be the tune of 14 CMD after expansion. Effluent would be segregated into2 streams viz. Stream I (Low TDS and Low COD Effluent from Domestic, Process, Cooling & Boiler b/d, DM Backwash, Scrubber, MEE Condensate from stream - II) @ 71 CMD & Stream II (High TDS and High COD Effluent from process) @ 30 CMD. Stream – I comprises of oil catch, equalization cum neutralization tank, flash mixer, flocculator,
Disposal of the ETP sludge	Salts from MEE and sludge from Filter press is forwarded to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF), Ranjangaon, Pune for final disposal.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / Spent Oil	5.1	Lit/M	200	100	300	to authorized party
2	Spent Acid	26.3	MT/M	30	5	35	to authorized party
3	Spent Solvents	28.6	KL/M	378.5	102	480.5	to authorized party
4	Spent catalyst / Spent Carbon	28.2 + 28.3	Kg/M	125	200	325	Sale to authorized party / CHWTSDF/

							Co- processing
5	Date expired, discarded & off-specification drugs / medicines / chemicals	28.5 + 28.4	Kg/M	1500	1000	2500	CHWTSDF/ Co-processing
6	Discarded container barrels / liners used for hazardous waste / chemicals	33.1	No./M	200	100	300	Sale to authorized party
7	Chemical sludge, oil & grease skimming residues from industrial effluent	35.3	MT/M	0.75	15	15.75	CHWTSDF/ Co-processing
8	Sludge from MEE system	35.3	MT/M	20	50	70	CHWTSDF/ Co-processing
9	Sludge from wet scrubber	35.3	MT/M	0.025	0.050	0.075	CHWTSDF/ Co-processing

39.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 - 2 TPH; 2 Nos.	FO; 107 Lit/Hr	1	30	0.63	99
2	Thermopack-2 Lakhs kCal/Hr; 1 No.	HSD; 22.68 Lit/Hr	1	30	0.63	168
3	DG Set -1250 KVA; 1 No.	HSD; 85 Lit/Hr.	1	7	0.2	145
4	Process Scrubbers - 5Lit/hr; 3 Nos.	--	3	4	0.3	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD - Thermopack	22.68 Lit/Hr	00	22.68 Lit/Hr
2	Furnace Oil (Boiler)	107 Lit/Hr	00	107 Lit/Hr

3	HSD - DG Set	85 Lit/Hr	00	85 Lit/Hr
41.Source of Fuel		From Local Vendors (Indian Oil Corporation Ltd.)		
42.Mode of Transportation of fuel to site		Through Trucks By Road (Existing)		

43.Green Belt Development	**Total RG area :**	Total Green Belt Area- 58400 Sq. M (36.5 % of Total plot area)
	No of trees to be cut :	Not Applicable, since no tree will be cut for expansion
	Number of trees to be planted :	6710 Nos
	List of proposed native trees :	List of trees is as below
	Timeline for completion of plantation :	5 Years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	1000	Native, evergreen, fast growing, tolerant
2	Dalbergia sissoo	Shisav, Shisham	150	Native, evergreen, tolerant
3	Mimuso pselengi	Bakul	150	Native, ornamental, host plant for bees and butterflies.
4	Pongamia pinnata	Karanj	200	Pollution tolerant
5	Acacia Catechu	Khair	430	Native and pollution resistant
6	Tectona grandis	Saag	500	Native and pollution resistant
7	Cassia fistula	Bahava	120	Native, ornamental, host plant for bees and butterflies.
8	Gmelina arborea	Shivan	551	Native and pollution resistant
9	Pithecello biumdulce	Wilayati Chinch	150	Native, ornamental, host plant for bees and butterflies.
10	Alstonia scholaris	Saptaparni	200	Native, evergreen, higher dust settling index
11	Swietenia mahogani	Mahogani	250	Native, evergreen, higher dust settling index
12	Aegle marmelos	Bel	500	Native and pollution resistant
13	Holigarna grahamii	Ran Bibba	100	Native and pollution

				resistant
14	Ficusmacrocarpa	Nandruk	500	Native and pollution resistant
15	Melia azedarach	Limbara	450	Native and pollution resistant
16	Bauhinia racemosa	Apta	254	Native and pollution resistant
17	Lagerstroemia speciosa	Tamhan	135	Native, State flower of Maharashtra
18	Polyalthia longifolia	Ashoka	120	Air pollution absorbing species
19	Butea monosperma	Palas	500	Air pollution absorbing species
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	0	0

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL) and from solar power
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Average power supply – 27 MW per hour for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply - 3 MW per hour will be required for proposed expansion activities.
	During Operation phase (Demand load):	Average power supply – 27 MW per hour for the existing unit, presently taken from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and the same would be the source for the proposed expansion activities. The average power supply - 3 MW per hour will be required for proposed expansion activities.

	Transformer:	NA
	DG set as Power back-up during operation phase:	One existing DG set of capacity 1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. M/s. Cipla Ltd., Unit - II have installed a 79 KWH/Day capacity Solar Power Plant in July 2013. All future installation's roofs will be south- wardly inclined to install more solar panels for higher solar power generation.
2. Use of Green Solvents.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution Control	Stacks, Scrubber	Stacks, Scrubber
Water Pollution Control	Effluent Treatment Plant (ETP)	Effluent Treatment Plant (ETP), ZLD
Noise Pollution Control	Noise Level Management	Noise Level Management
Environmental Management Plan and Monitoring	Environmental Monitoring and Management	Environmental Monitoring and Management
Green Belt Development	Green Belt Development	Green Belt Development

Budgetary allocation (Capital cost	**Capital cost:**	NA
	O & M cost:	NA

and O&M cost):		

51.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)
1	Air Pollution Control (APC)	APC Equipment's like Stacks, Scrubber	25	4
2	Water Pollution Control - ETP	ETP, MEE ATFD and OCMS	400	150
3	Noise Pollution Control	Noise Level Management, Appropriate PPEs	20	5
4	Environmental Management Plan and Monitoring	Environmental Management Plan and Monitoring	15	5
5	Green Belt Development & RWH	Green Belt Development & RWH	50	10
6	Occupational Health and Safety	Occupational Health and Safety	50	10

51.Storage of chemicals (inflamable/explosive/hazardous/toxicsubstances)

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
ACETONE	Liquid	Tankfarm	19.50	19.50	7.34	Taiwan prosperity chemicals corporation	Tanker

CHLOROMETHYL ISOPROPYL CARBONATE	Liquid	Drum Storage	15.00	15.00	9.8	CHEM CON SPECILITY CHEMICALS	HDPE drums
ISOPROPYL ACETATE	Liquid	Tankfarm	21.75	21.75	45	Hunan Zhongchuang Chemical co. ltd.	Tanker
SOPROPYL ALCOHOL	Liquid	Tankfarm	19.50	19.50	34	DEEPAK FERTILISERS & PETROCHEMICALS	Tanker
METHANOL	Liquid	Tankfarm	19.50	39.00	64	ZAGROS PETROCHEMICAL COAMPANY	Tanker
METHYLENE CHLORIDE	Liquid	Tankfarm	33.00	66.00	32	AKZO NOBEL INDUSTRIAL	Tanker
N-METHYL 2-PYRROLIDONE	Liquid	Drum Storage	16.00	16.00	8.4	BASF CORPORATION-USA	MS drums
ETHYL ACETATE	Liquid	Tankfarm	22.50	22.50	16.32	GODAVARI BIOREFINARIES LTD	Tanker

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
	Number and area of basement:	NA
	Number and area of podia:	NA

Parking details:	**Total Parking area:**	2097 m2 (1.3 % of Total Area)
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	As per the provision of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006 and amendments thereto vide Notification dated 25.06.2014, the proposed project comes under 'Category - B' Item No. 5(f).
	Court cases pendingif any	No any court cases pending
	Other Relevant Informations	Application in the prescribed online format of 'FORM-1' along with therequisite documents is submitted herewith for grant ToRs.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 258th (Day-2) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP to achieve the standard parameters stipulated for Bulk Drugs and Formulation (Pharmaceuticals) sector in the Environment (Protection) Second Amendment Rule, 2021 dated 6th August 2021 published by MoEF&CC.
2. PP to spend entire CER funds before commissioning of proposed activity in consultation with the District Collector.
3. PP to provide Online Continuous Monitoring System connected to the servers of CPCB and MPCB.
4. PP to provide Zero Liquid Discharge Effluent Treatment Plant.
5. PP to explore possibility to assess techno-economic feasibility of using technology for MEE such as low temperature/mechanical vapour compressor etc. so s to reduce operation cost and use of natural resources.
6. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.
7. PP to provide sliding gate at entry and exit to achieve maximum turning radius of vehicle entering the site.

SEIAA Conditions

1. PP submitted plan approved by MIDC dated 28.06.2022. As per the said plan plot area is 160000.00 m2, green belt area of 37150.05 m2 is provided i.e.23.2 % of the total plot area. To provide the balance green belt PP has purchased a land at Gat. No. 182 of Roti Village in Daund and provided green belt of 15800 m2 making total green belt at 33 % of plot area.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.

9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
11. PP to provide roof top Rain Water Harvesting facility.
12. PP to ensure that, proposed project is a ZLD.

General Conditions:

I. The project proponent 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 Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in

II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1sr December of each calendar year.

III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.

IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.

V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.

VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.

VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.

VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.

X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.

XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.

XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

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, amended time to time.

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.

Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Pune.
7. Regional Officer, Maharashtra Pollution Control Board, Pune.

Validity unknown
Digitally signed by Shri Pravin C. Darade , I.A.S.
Member Secretary
Date: 5/18/2023 3:39:36 PM