Government of Maharashtra

SEAC-2011/CR-152/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Dated: 17th April, 2015

To,
M/s. Ipca Laboratories Ltd.
C - 89 to C - 95 MIDC Area,
MIDC Mahad, Dist Raigad

Subject: Environment Clearance for Manufacturing of Pharmaceutical products and intermediates with expansion of existing capacity From 600 MTA to 3615 MTA Mta of IPCA Laboratories Ltd., at H-4, MIDC Waluj, Aurangabad by M/s. Ipca Laboratories Limited.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 96th meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 83rd meeting.

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

Brief Information of the project submitted by Project Proponent is as:

1.	Project Proponent	Mr. Paresh Desai
2.	Consultant	M/s. Green Circle Inc.
3.	New Project / Expansion	Expansion Project
4.	Activity schedule in the EIA Notification	Category of 5(f) as per the provision of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006, amended on December 01, 2009.
5.	Area Details	Total plot area: 37100 sq.mt. Built up area: Existing: 15333.07 sq.mt. Proposed: 3630.28 sq.mt.
6.	Name of the Notified Industrial area	Maharashtra Industrial Development Corporation (MIDC), MIDC Waluj Industrial Area, Aurangabad, Maharashtra.

	/ MIDC	
7.	TOR given by SEAC? (If yeas then specify the meeting)	84th meeting of the State Level Expert Appraisal Committee (SEAC) held on 1st & 2nd August ,2014,
8.	Estimated capital cost of the Project	Rs. 53 Crores
9.	Location details of the project :	Latitude: 19°51'45.80" N Longitude: 75°13'3.01"E Location: at Plot No. H-4, MIDC Waluj Industrial Area, Aurangabad, Maharashtra
10	Rain Water Harvesting (RWH)	Rain Water Harvesting Budgetary allocation (Capital cost and O & M cost): Capital Cost (Lacs): 10.0 Lacs Recurring Cost (Lacs): 0.5 Lacs
11	Total Water Requirement	Total water requirement: • Fresh water (CMD): 238 & Source: MIDC , • Recycled water : 287 CMD Use of the water:
12		Process (CMD) — 100
13		Cooling water (CMD) — 170
14		DM Water (CMD) + Drinking (CMD) — 20
15		Dust Suppression (CMD) — -
16		Green belt (CMD) — 45
17		Fire service — -
18		Others (CMD) (Boiler feed) — 190
19		
20	Storm water drainage	• Natural water drainage pattern The industry is located in Waluj MIDC area where all the facilities are available by MIDC. The land is having gentle slope. Runoff from surrounding areas ultimately joins to Kaum river through medium and small shallow streams. - Quantity of Storm water : 9850.28 M^3 - Size of SWD : Total area of rain water: 26678.99 M^3
21		• quantity of storm water: 9850.28 m^3 (generated during monsoon) • Size of SWD: 0.30 x 0.60 x 100 m
22	Sewage generation and treatment	• Amount of sewage generation (CMD): 14 m3/day • Proposed treatment for the sewage: ETP
23	Effluent characteristic	

Sr. No.	Parameters	Inlet effluent Characteristic	Outlet effluent Characteristic	MPCB/ Standard
1	pH	4.5 -9.5	7.5 - 7.6	5.5-8.0
2	COD	3800 - 4360	190 - 225	< 250 (mg/L)

		3	BOD	820 - 1180	62 - 70	< 100 (mg/L)
		4	TSS	98-125	44 - 68	< 100 (mg/L)
		5	Oil & Grease	5 - 7	nil	< 10 (mg/L)
		6	Phenol	4.4	nil	< 5.0 (mg/L)
24	ETP details	• Amount of Industrial effluent generation : 181 CMD Capacity of ETP : 140 CMD • Amount of treated effluent recycled : 175 CMD •Amount of waste water send to the CETP : 125 CMD • Membership of the CETP (if require) : Yes (All ready member)				
25	Note on ETP technology to be used	The ETP is comprised of primary, secondary & tertiary treatment unit's viz. equalization tank, neutralization tank, aeration tank, primary & secondary clarifiers and final collection sump. A proposed tertiary treatment in RO and MEE would confirm the effluent characteristics to MPCB norms				
26	Disposal of the ETP sludge (If applicable)	Forwarded to CHWTSDF				
27	Solid waste Management	Non-Hazardous Waste Handling and Disposal Details				

Sr.No.	Non - Hazardous Waste	Existing	Proposed	Total	Mode of Disposal
1	Packing Boxes	1000 kg / m	1000 kg / m	2000 kg / m	Sale
2	Paper waste	400 kg / m	600 kg / m	1000 kg / m	Sale
3	Empty drums	300 Nos/ y	10000 Nos/ y	10300 nos / y	Sale
4	Plastic bags	-	25 mt / y	25 mt / y	Sale
5	Plastics containers	-	7000 nos y	7000 nos /y	Sale
6	Cotton garbage	-	4 mt / y	4.0 mt / y	Sale
7	Coal ash	-	350 mt / y	350 mt/y	Sale

Hazardous Waste Handling and Disposal Details

Sr.No.	Hazardous Waste	Proposed Rate of	Total Rate of	Mode of Disposal

		generation in MT / Year	generation in MT / Year	
1	Spent Oil	1.5 KL/Y	2.5	Sale to authorized party
2	Residue Waste	450 mt / y	462	Incineration at Ratlam / cement plant
3	Spent carbon	300 MT/Y	308	Incineration at Ratlam / cement plant
4	Recycle spent catalyst	5 MT/Y	5	CHWTSDF/ sale
5	Off Specificulator product	5 MT/Y	5	Incineration at Ratlam / cement plant
6	Date expired discarded control sample	5 MT	5	Incineration at Ratlam / cement plant
7	Spent mother liquor	200 Kl/Y	240	Sale to authorized party
8	Spent Organic solvent	470 MT/Y	500	Sale to authorized party
9	Discarded containers	1000 Nos / Y	1050	Sale / reuse for residue packing
10.	Spent ion exchange resin	5 MT / Y	5	CHWTSDF / Sale
11.	ETP sludge	500 MT/Y	512	CHWTSDF/ cement plant
12.	Oil & Grease skimming residue	2MT/Y	2	CHWTSDF/ cement plant
13.	Fly ash	2000 MT/Y	2000	Sale
14	Distillation Residue	1000 MT/Y	1072	Incineration at Ratlam / cement plant
15	E- waste	2 mt	2 mt	Sale / CHWTSDF

16	MEE Salt	125 MT/Y	125 MT/Y	CHWTSDF

If waste(s) contain any hazardous/toxic substance/radioactive materials or heavy metals then provide quantity, disposal data and proposed precautionary measures.

Disposal Method: Sale to authorize party or forwarded to CHWTSDF and Ratlam

- What are the possibilities of recovery and recycling of wastes?

No possibility

- Possible users of solid waste

Boiler ash Sale to Brick Manufacture and canteen waste sale to Vermiculture

- Method of disposal of solid waste

Sale to authorize party

28

29 Atmospheric Emissions (Flue gas characteristics SPM, SO2, NOx, CO, etc.)

Sr. No	Pollutant	Source of Emission	Emission rate (kg/hr)	Concentration in flue gas (g/m3)
	SPM	Boiler 8mt/Hr	Negligible	Negligible
	SO2		Negligible	Negligible
	NOx		Negligible	Negligible
	CO		Negligible	Negligible
	Others			
	SPM	Boiler 6mt/Hr	Negligible	Negligible
	SO2		Negligible	Negligible
	NOx		Negligible	Negligible
	CO		Negligible	Negligible
	Others			
	SPM	DG Set I & II 1000 KVA	625 m3/hr	112 mg/Nm3
	SO2		625 m3/hr	12.9 PPM
	NOx			
	CO			
	Others			

30 Stack emission Details: (All the stacks attached to process units, Boilers, captive power plant, D.G. Sets, Incinerator both for existing and

Plant Section & units	Stack No.	Height from ground level (m)	Internal Diameter (Top)(m)	Emission Rate (mg/Nm3)	Temp. of Exhaust Gases
Boiler- 1	1	40	2600 mm - 1800 mm	SPM: 113.91 SO2: 8.58 kg/day NOx: 0.24	110

	proposed activity). Please indicate the specific section to which the stack is attached. e.g.: Process section, D.G. Set, Boiler, Power Plant, incinerator etc. Emission rate (kg/hr.) for each pollutant (SPM, SO2, NOx etc. should be specified						
		Boiler - 2		30	1200 mm - 800 mm	SPM: 54.57 SO2: 0.34 kg/hr NOx: 0.26	160
		DG Set I & II	2	6.50	250 mm	SPM: 120 SO2: 6.60 kg/day NOx: 0.26	230

31 Emission Standard

Pollutants	Emission Standard Limit (mg/Nm3)	Proposed Limit (mg/Nm3)	MPCB Consent (mg/Nm3)
SPM/TPM	-	Not to exceed	150.0
SO_2 (from boiler)	-	Not to exceed	210 Kg/d
SO_2/NOx	-	Not to exceed	50
Acid mist	-	Not to exceed	35.0

32 Ambient Air Quality Data

Pollutant	Permissible Standard	Proposed Limit (µg/m3)	Remarks
PM_{10}	100 µg/m3	68.6	Within Limit
$PM_{2.5}$	60 µg/m3	18.9	
SO_2	80 µg/m3	9.1	
NOx	80 µg/m3	14.8	
CO	2 mg/m^3	0.123	

33 Details of Fuel to be used:

Sr. No	Fuel	Daily Consumption (TPD/ KLD)	Calorific value	% Ash	% Sulph

		Existing	Proposed	(Kcals /kg)		ur
1	Gas	-	-	-	-	-
2	Naphtha	-	-	-	-	-
3	HSD	300 lit /d	300 lit /d	-	-	-
4	Fuel Oil					
5	Coal		11 MT/Day	4200	16.5	0.45
6	Lignite	-	-			
7	Other: Pet Coke	10 MT/Day	-	7998.71	2.53	4.86

Source of fuel : Coal: From Western Coalfield Pet Coke: Domestic

Mode of transportation of fuel to site: By Roadways.

34 Energy

Power supply: MSEB/Grid

- Existing power requirement : 800 KVA
- Proposed power requirement : 700 KVA

DG sets
1000 KVA, 1010 KVA (Stand by)

35 Green Belt Development

- Green belt area : 12243sq. mt.
- Number and species of trees to be planted:

- Number, size, age and species of trees to be cut, trees to be transplante:

No tree to cut

36 Details of Pollution Control Systems:

Sr. No.	Aspects	Existing pollution control system	Proposed to be installed
1	Air	Mechanical dues collector followed by wet scrubber	Mechanical dues collector followed by wet scrubber
2	Water	Effluent Treatment Plant (ETP)	R.O., MEE
3	Noise	The Boiler would be kept in an isolated area with proper acoustic treatment to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would	The Boiler would be kept in an isolated area with proper acoustic treatment to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE)

					be enclosed in canopy as well as silencer.	such as ear plugs,ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.
			4	Solid Waste	Sale / Recycle	Sale/ Recycle
37	Environmental Management plan Budgetary Allocation	• Capital cost (With break up): 1190 Lakhs • O&M cost (With break up): 365 Lakhs				

Sr. No.	Description	Recurring Cost in lacs per annum	Capital Cost in lacs
1	Air Pollution Control	2.0	30
2	Ash Handling	-	-
3	Environmental Lab Equipment & On-line monitoring equipment	-	-
3	Water Pollution Control	300	1100
3	Noise Pollution Control	1.0	20
4	Environment Monitoring and Management	05	03
5	Reclamation borrow/ mined area (*if applicable*)	-	-
6	Occupational Health	5	12
7	Green Belt	1.5	10
8	Solid waste management	50	05
9	Others (Pl. Specify) 1) Rain Water Harvesting	0.5	10
	Total	365	1190

3. The proposal has been considered by SEIAA in its 83rd meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

(i) PP to provide separate electric meter to ETP with AMR facility

(ii) PP shall be responsible for end disposal of hazardous waste to authorized dealer

(iii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.

(iv) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.

(v) Regular monitoring of the air quality, including SPM & SO2 levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.

(vi) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.

(vii) Proper Housekeeping programmes shall be implemented.

(viii) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.

(ix) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)

(x) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.

(xi) Arrangement shall be made that effluent and storm water does not get mixed.

(xii) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

(xiii) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

(xiv) The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.

(xv) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(xvi) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.

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

(xviii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.

(xix) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.

(xx) The company shall undertake following Waste Minimization Measures :

- Metering 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 process.
- Maximizing Recoveries.
- Use of automated material transfer system to minimize spillage.

(xxi) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.

(xxii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(xxiii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.

(xxiv) Separate silos will be provided for collecting and storing bottom ash and fly ash.

(xxv) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department

(xxvi) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in

(xxvii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.

(xxviii) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

(xxix) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO_2, NOx (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(xxx) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

(xxxi) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the

project proponent in the case filed against him, if any or action initiated under EP Act.

5. The Environment department reserves the right 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.

6. **Validity of Environment Clearance**: The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.

7. 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.

8. 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.

9. Any appeal against this environmental 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.

(Ajoy Mehta)
Principal Secretary,
Environment department &
MS, SEIAA.

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.

2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune – 411014. .

3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.

5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).

6. Regional Office, MPCB, Aurangabad.

7. Collector, Aurangabad

8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

9. Select file (TC-3)

(EC uploaded on 20/04/2015)