

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 1 st & 2 nd 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	<ul style="list-style-type: none"> • Natural water drainage pattern <p>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.</p> <ul style="list-style-type: none"> - Quantity of Storm water : 9850.28 M³ - Size of SWD : Total area of rain water: 26678.99 M² 				
21		<ul style="list-style-type: none"> • quantity of storm water: 9850.28 m³ (generated during monsoon) • Size of SWD: 0.30 x 0.60 x 100 m 				
22	Sewage generation and treatment	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<p align="center">Non-Hazardous Waste Handling and Disposal Details</p> <table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Non - Hazardous Waste</th> <th>Existing</th> <th>Proposed</th> <th>Total</th> <th>Mode of Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Packing Boxes</td> <td>1000 kg / m</td> <td>1000 kg / m</td> <td>2000 kg / m</td> <td>Sale</td> </tr> <tr> <td>2</td> <td>Paper waste</td> <td>400 kg / m</td> <td>600 kg / m</td> <td>1000 kg / m</td> <td>Sale</td> </tr> <tr> <td>3</td> <td>Empty drums</td> <td>300 Nos/ y</td> <td>10000 Nos/ y</td> <td>10300 nos/ y</td> <td>Sale</td> </tr> <tr> <td>4</td> <td>Plastic bags</td> <td>-</td> <td>25 mt / y</td> <td>25 mt / y</td> <td>Sale</td> </tr> <tr> <td>5</td> <td>Plastics containers</td> <td>-</td> <td>7000 nos y</td> <td>7000 nos / y</td> <td>Sale</td> </tr> <tr> <td>6</td> <td>Cotton garbage</td> <td>-</td> <td>4 mt / y</td> <td>4.0 mt / y</td> <td>Sale</td> </tr> <tr> <td>7</td> <td>Coal ash</td> <td>-</td> <td>350 mt / y</td> <td>350 mt/ y</td> <td>Sale</td> </tr> </tbody> </table> <p align="center">Hazardous Waste Handling and Disposal Details</p> <table border="1"> <thead> <tr> <th rowspan="2">Sr.No.</th> <th rowspan="2">Hazardous Waste</th> <th>Proposed</th> <th>Total</th> <th rowspan="2">Mode of Disposal</th> </tr> <tr> <th>Rate of</th> <th>Rate of</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					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	Sr.No.	Hazardous Waste	Proposed	Total	Mode of Disposal	Rate of	Rate of					
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		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 KI/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	
		<p>If waste(s) contain any hazardous/toxic substance/radioactive materials or heavy metals then provide quantity, disposal data and proposed precautionary measures.</p> <p>Disposal Method: Sale to authorize party or forwarded to CHWTSDF and Ratlam</p> <ul style="list-style-type: none"> • 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, SO ₂ , NO _x , CO, etc.)	Sr. No	Pollutant	Source of Emission	Emission rate (kg/hr)	Concentration in flue gas (g/m ³)	
			SPM	Boiler 8mt/Hr	Negligible	Negligible	
			SO ₂		Negligible	Negligible	
			NO _x		Negligible	Negligible	
			CO		Negligible	Negligible	
			Others				
			SPM	Boiler 6mt/Hr	Negligible	Negligible	
			SO ₂		Negligible	Negligible	
			NO _x		Negligible	Negligible	
			CO		Negligible	Negligible	
			Others				
			SPM	DG Set I & II 1000 KVA	625 m ³ /hr	112 mg/Nm ³	
			SO ₂		625 m ³ /hr	12.9 PPM	
			NO _x				
			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/Nm ³)	Temp. of Exhaust Gases
		Boiler- 1	1	40	2600 mm - 1800 mm	SPM: 113.91 SO ₂ : 8.58 kg/day NO _x : 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, SO ₂ , NO _x etc. should be specified																										
		Boiler - 2		30	1200 mm - 800 mm	SPM: 54.57 SO ₂ : 0.34 kg/hr NO _x : 0.26	160																				
		DG Set I & II	2	6.50	250 mm	SPM: 120 SO ₂ : 6.60 kg/day NO _x : 0.26	230																				
31	Emission Standard	<table border="1"> <thead> <tr> <th>Pollutants</th> <th>Emission Standard Limit (mg/Nm³)</th> <th>Proposed Limit (mg/Nm³)</th> <th>MPCB Consent (mg/Nm³)</th> </tr> </thead> <tbody> <tr> <td>SPM/TPM</td> <td>-</td> <td>Not to exceed</td> <td>150.0</td> </tr> <tr> <td>SO₂ (from boiler)</td> <td>-</td> <td>Not to exceed</td> <td>210 Kg/d</td> </tr> <tr> <td>SO₂/NO_x</td> <td>-</td> <td>Not to exceed</td> <td>50</td> </tr> <tr> <td>Acid mist</td> <td>-</td> <td>Not to exceed</td> <td>35.0</td> </tr> </tbody> </table>						Pollutants	Emission Standard Limit (mg/Nm ³)	Proposed Limit (mg/Nm ³)	MPCB Consent (mg/Nm ³)	SPM/TPM	-	Not to exceed	150.0	SO ₂ (from boiler)	-	Not to exceed	210 Kg/d	SO ₂ /NO _x	-	Not to exceed	50	Acid mist	-	Not to exceed	35.0
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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 Coke: Domestic Mode of transportation of fuel to site: By Roadways.						Pet
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 transplanted: No tree to cut						
36	Details of Pollution Control Systems:	Sr. No.	Aspects	Existing pollution control system	Proposed to be installed			
		1	Air	Mechanical dust collector followed by wet scrubber	Mechanical dust 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	<ul style="list-style-type: none"> • Capital cost (With break up): 1190 Lakhs • O&M cost (With break up): 365 Lakhs 																																																							
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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 :