

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 | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | 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 | <table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Boiler - 2</td> <td></td> <td>30</td> <td>1200 mm - 800 mm</td> <td>SPM: 54.57 SO₂: 0.34 kg/hr NO_x: 0.26</td> <td>160</td> </tr> <tr> <td>DG Set I & II</td> <td>2</td> <td>6.50</td> <td>250 mm</td> <td>SPM: 120 SO₂: 6.60 kg/day NO_x: 0.26</td> <td>230</td> </tr> </table> | | | | | | | | | | | | 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 | | |
|----------------------------------|--|--|------------------------------------|---|-----------------|-------|---------|------------|---|--------------------------------------|------------------------------------|------------------|-----------------------|---------------|--------------|-------------------------------|----------------------|---|-----------------|----------------------------------|-----|-----------------|----------------------|--|-----|---------------------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Ambient Air Quality Data | <table border="1"> <thead> <tr> <th>Pollutant</th> <th>Permissible Standard</th> <th>Proposed Limit (µg/m³)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>PM₁₀</td> <td>100 µg/m³</td> <td>68.6</td> <td rowspan="5">Within Limit</td> </tr> <tr> <td>PM_{2.5}</td> <td>60 µg/m³</td> <td>18.9</td> </tr> <tr> <td>SO₂</td> <td>80 µg/m³</td> <td>9.1</td> </tr> <tr> <td>NO_x</td> <td>80 µg/m³</td> <td>14.8</td> </tr> <tr> <td>CO</td> <td>2 mg/m³</td> <td>0.123</td> </tr> </tbody> </table> | | | | | | Pollutant | Permissible Standard | Proposed Limit (µg/m ³) | Remarks | PM ₁₀ | 100 µg/m ³ | 68.6 | Within Limit | PM _{2.5} | 60 µg/m ³ | 18.9 | SO ₂ | 80 µg/m ³ | 9.1 | NO _x | 80 µg/m ³ | 14.8 | CO | 2 mg/m ³ | 0.123 |
| Pollutant | Permissible Standard | Proposed Limit (µg/m ³) | Remarks | | | | | | | | | | | | | | | | | | | | | | | | |
| PM ₁₀ | 100 µg/m ³ | 68.6 | Within Limit | | | | | | | | | | | | | | | | | | | | | | | | |
| PM _{2.5} | 60 µg/m ³ | 18.9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| SO ₂ | 80 µg/m ³ | 9.1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO _x | 80 µg/m ³ | 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 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). | | |

