

**Government of Maharashtra**

SEAC- 2013/CR-281/TC-2  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai- 400 032.  
Dated: 29<sup>th</sup> September, 2014

To,  
M/s Balkrishna Paper Mills Limited.  
A-7, Kamla City, Trade World,  
Lower Parel, Mumbai.

**Subject: Environment clearance for proposed 4.5 MW Co-generation Power Plant project at Ambivali, Tal Kalyan, Dist Thane by M/s. Balkrihna Paper Mills.**

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 81<sup>st</sup> 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 74<sup>th</sup> meeting.

2. It is noted that the proposal is for grant of Environmental Clearance for proposed 4.5 MW Co-generation Power Plant project at Ambivali, Tal Kalyan, Dist Thane. SEAC-I considered the project under screening category 1(d), B2 of EIA Notification 2006.

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

|  |   |
|--|---|
| Name of the Project.   | 4.5 MW Coal based captive co-generation Power Plant.  |
| Project proponent.   | M/s. Balkrishna Paper Mills Limited. A-7, Kamla City, Trade World, Lower Parel, Mumbai.   |
| Consultant.  | M/S. Ultratech Environment Consultancy & Laboratory   |
| New Project/Expansion in existing Project/Modernization/Diversification in existing Project.   | Modernization in existing project   |
| If Expansion/Diversification, whether environmental clearance has been obtained for existing project ( <i>If yes, enclose a copy with compliance table</i> ) | No<br>Company is in existence since 1971 and involved in manufacture of Duplex & Triplex paper using 100 % waste paper so EC not required for this project. |
| Activity Schedule in the EIA Notification.   | 1(d)<br>B2 Category.  |
| Area Details   | Total Plot Area- 91440 Sq. Mtr.<br>Built up Area: 19551.62 Sq. Mtr.   |
| Name of Notified Industrial  | Unit is in area which is in Industrial Area as per KDMC Drg.  |

|  |   |   |   |                     |  |
|--|---|---|---|---------------------|--|
| Area   | NA permissions granted by Collector Office for Industrial Purpose.  |   |   |                     |  |
| Estimated Capital Cost of the Project (Including cost for land, building, plant & machinery) | No land is purchased for present project. Land for factory was purchased in Year 1964.<br>Cost of Building- 4.0 Crores.<br>Cost of Machinery- 23.0 Crores.<br>Total Cost : 27 Crores. |   |   |                     |  |
| Location Details of the project.   | Latitude – 19 Deg. 16', 27" N<br>Longitude – 73 Deg. 10', 36" E<br>Location - Village Ambivali (Kalyan)<br>Elevation above Mean Sea Level- 6.59 Mtr                                   |   |   |                     |  |
| Raw Materials (Including Process chemicals, catalysts & additives)                           | List of Raw Materials to be used  | Physical & Chemical nature of raw material. | Quantity (MT/Yr) full production capacity   | Source of Materials | Means of Transportation (Source to storage site) with justification. |
|  | Imported Coal   | Solid. Contains carbon.                     | 125 MT/Day. Approximate consumption per year is 41250 MT (considering 330 Day of operation per year.) | From Indonesia      | By ship up to Mumbai port & by Truck from Port to Factory.           |
| Production Details   | Names of Products, By-products & Intermediate Products.   | Existing (MT/Year)                          | Proposed Activity (New/modernization/expansion)   | Total (MT/Year)     |  |
|  | Product: Electrical Energy  | NIL   | New Activity. 4.5 MW power generation/day i.e 1642.5 MW/year  | 1642.5 MW/year      |  |
|  | By Product- Steam   | 8MT/hr                                      | 32 MT/Hr.   | 280320 MT/year      |  |
|  | Waste Product: Boiler Ash   | 2920 MT/Yr.                                 | 4562.5 MT/year  | 4562.5 MT/year      |  |
|  |   |   |   |                     |  |
| Rain water Harvesting (RWH)  | Level of Ground water table: 80 ft below ground level<br>Size & No. of RWH tanks & Qty.<br>3 RWH tank of capacity 250m <sup>3</sup> each<br>Location of RWH tanks: on ground level    |   |   |                     |  |

|   |  |                   |                                 |                                  |                                     |
|---|--|-------------------|---------------------------------|----------------------------------|-------------------------------------|
|   | Size & no's of recharge pits & Qty.: No recharging will be done<br>Budgetary allocation (Capital & O &M):Capital cost 3.47 Lac<br>O & M cost 0.27 Lac/annum  |                   |                                 |                                  |                                     |
| Total water requirement                   | Total water requirement:2155 KLD   |                   |                                 |                                  |                                     |
| Storm Water Drainage                      | Natural water drainage pattern. The storm water will be collected in the storm water drains of adequate capacity.<br>Quantity of Storm water:<br>Size of SWD: 600 mm wide with slope 1:200                         |                   |                                 |                                  |                                     |
| Sewage Generation & Treatment             | Amount of sewage generation : 20 CMD<br>Proposed Treatment: Treated in existing ETP of capacity 2525CMD.<br>Capacity of STP: NA  |                   |                                 |                                  |                                     |
| Effluent Characteristics                  | S.N  | Parameters        | Inlet-Effluent Characteristics. | Outlet-Effluent Characteristics. | Effluent Discharge Standards (MPCB) |
|   | 1  | PH                | 6.5 to 7.5                      | 6.8 to 7.7                       | 5.5 to 9.0                          |
|   | 2  | BOD               | 350                             | Less than 100                    | 100 mg/Lt                           |
|   | 3  | COD               | 750                             | Less than 250                    | 250 mg/Lt                           |
|   | 4  | Suspended Solids. | 150                             | Less than 100                    | 100 mg/Lt                           |
|   | 5  | Oil & Grease      | 2.5                             | BDL.                             | 10 mg/Lt                            |
| ETP Details                               | Amount of Effluent generation (CMD): 1975 CMD<br>Capacity of ETP (CMD): 2525 CMD<br>Amount of treated effluent recycled (CMD): 1780 CMD<br>Amount of water sent to CETP: NA<br>Membership of CETP (if required):No |                   |                                 |                                  |                                     |
| Note on ETP Technology to be used         | Primary treatment based on Crofta units followed by biological treatment.  |                   |                                 |                                  |                                     |
| Disposal of the ETP Sludge(If applicable) | N.A. ETP sludge will be utilized in the process.   |                   |                                 |                                  |                                     |

| Solid waste Management   |  |  |  |  |  | S.N                  | Source   | Quantity (TPM)                | Form (Sludge, Dry, slurry etc.) | Management  |                     |
|--|--|--|--|--|--|----------------------|--|-------------------------------|---------------------------------|---|---------------------|
|  |  |  |  |  |  | 1                    | Raw Water treatment plant.                                 | --                            | --                              | --  |                     |
|  |  |  |  |  |  | 2                    | ETP<br>Primary sludge:<br><br>Secondary(biological sludge) |                               | Sludge<br><br>Sludge            | Paper pulp: Recycled back in the process<br><br>Organic waste: Used as manure   |                     |
|  |  |  |  |  |  | 3                    | Process:   | 50 MT/Month                   | Wet sludge.                     | Paper with impurities Used by other parties to produce low quality paper board. |                     |
|  |  |  |  |  |  |                      |  | 100 MT/Month                  | Plastic waste                   | Sell to authorized vendor   |                     |
|  |  |  |  |  |  |                      |  | 150 MT/Month                  | Boiler ash. From Boiler.        | Sold to brick manufacturers   |                     |
| Atmospheric Emissions<br>(Flue gas, characteristics SPM, SO <sub>2</sub> , NO <sub>x</sub> , CO etc) |  |  |  |  |  | S. No.               | Pollutant  | Source of Emission            | Emission rate (Kg/Hr.)          | Conc in flue gas (gm/M <sup>3</sup> )   |                     |
|  |  |  |  |  |  | 1                    | SPM  | Boiler chimney                | 0.66                            | 0.062   |                     |
|  |  |  |  |  |  | 2                    | SO <sub>2</sub>  | Boiler chimney                | 7.53                            | 0.274   |                     |
|  |  |  |  |  |  | 3                    | NO <sub>x</sub>  | Boiler chimney                | --                              | --  |                     |
|  |  |  |  |  |  | 4                    | CO   | Boiler chimney                | --                              | --  |                     |
|  |  |  |  |  |  | 5                    | Others   |                               |                                 |   |                     |
| Stack Emission Details   |  |  |  |  |  | Plant section & Unit | Stack No.  | Height from Ground level(Mts) | Internal Diameter, Top (Mtr)    | Emission rate M <sup>3</sup> /Hr.   | Temp. Exhaust Gases |
|  |  |  |  |  |  | Boiler               | 1.   | 52                            | 1.3                             | 21385   | 160                 |

| Emission Standards.             | <table border="1"> <thead> <tr> <th data-bbox="663 315 863 421">Pollutants<br/>(SPM,SO2<br/>etc.)</th> <th data-bbox="863 315 1070 421">Emission<br/>standard limit<br/>(mg/Nm<sup>3</sup>)</th> <th data-bbox="1070 315 1230 421">Proposed<br/>limit<br/>(mg/Nm<sup>3</sup>)</th> <th data-bbox="1230 315 1398 421">MPCB<br/>Consent<br/>(mg/Nm<sup>3</sup>)</th> </tr> </thead> <tbody> <tr> <td data-bbox="663 421 863 456">SPM</td> <td data-bbox="863 421 1070 456">150</td> <td data-bbox="1070 421 1230 456">150</td> <td data-bbox="1230 421 1398 456">150</td> </tr> <tr> <td data-bbox="663 456 863 528">SO<sub>2</sub></td> <td data-bbox="863 456 1070 528"></td> <td data-bbox="1070 456 1230 528">1250<br/>kg/day</td> <td data-bbox="1230 456 1398 528">1250<br/>kg/day</td> </tr> </tbody> </table>   |  |  |  |              |                 | Pollutants<br>(SPM,SO2<br>etc.) | Emission<br>standard limit<br>(mg/Nm <sup>3</sup> ) | Proposed<br>limit<br>(mg/Nm <sup>3</sup> ) | MPCB<br>Consent<br>(mg/Nm <sup>3</sup> )                     | SPM                                  | 150          | 150             | 150          | SO <sub>2</sub> |    | 1250<br>kg/day                                   | 1250<br>kg/day |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
|---------------------------------|---|--|--|--|--------------|-----------------|---------------------------------|---|--|--|--------------------------------------|--------------|-----------------|--------------|-----------------|----|--|----------------|------------|-------------------|--------------|-----------|---|-----------------|----|----|---|-----------------|----|----|---|----|---------------------------------|------|
| Pollutants<br>(SPM,SO2<br>etc.) | Emission<br>standard limit<br>(mg/Nm <sup>3</sup> )   | Proposed<br>limit<br>(mg/Nm <sup>3</sup> ) | MPCB<br>Consent<br>(mg/Nm <sup>3</sup> )                     |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| SPM                             | 150   | 150  | 150  |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| SO <sub>2</sub>                 |   | 1250<br>kg/day                             | 1250<br>kg/day   |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| Ambient Air Quality Data.       | <table border="1"> <thead> <tr> <th data-bbox="663 573 759 703">S.N.</th> <th data-bbox="759 573 903 703">Pollutant</th> <th data-bbox="903 573 1078 703">Permissible<br/>Standards</th> <th data-bbox="1078 573 1286 703">Proposed<br/>Concentration<br/>(In<br/>Microgm/M<sup>3</sup>)</th> <th colspan="2" data-bbox="1286 573 1453 703">Remarks</th> </tr> </thead> <tbody> <tr> <td data-bbox="663 703 759 775">1</td> <td data-bbox="759 703 903 775">PM – 2.5</td> <td data-bbox="903 703 1078 775">60</td> <td data-bbox="1078 703 1286 775">47</td> <td colspan="2" data-bbox="1286 703 1453 1043" rowspan="5">All the values are within the permissible limits</td> </tr> <tr> <td data-bbox="663 775 759 846">2</td> <td data-bbox="759 775 903 846">RPM - 10</td> <td data-bbox="903 775 1078 846">100</td> <td data-bbox="1078 775 1286 846">64</td> </tr> <tr> <td data-bbox="663 846 759 918">3</td> <td data-bbox="759 846 903 918">SO<sub>2</sub></td> <td data-bbox="903 846 1078 918">80</td> <td data-bbox="1078 846 1286 918">19</td> </tr> <tr> <td data-bbox="663 918 759 990">4</td> <td data-bbox="759 918 903 990">NO<sub>x</sub></td> <td data-bbox="903 918 1078 990">80</td> <td data-bbox="1078 918 1286 990">29</td> </tr> <tr> <td data-bbox="663 990 759 1055">5</td> <td data-bbox="759 990 903 1055">CO</td> <td data-bbox="903 990 1078 1055">4 mg/m<sup>3</sup> for<br/>1 hr</td> <td data-bbox="1078 990 1286 1055">2.01</td> </tr> </tbody> </table> |  |  |  |              |                 | S.N.                            | Pollutant   | Permissible<br>Standards                   | Proposed<br>Concentration<br>(In<br>Microgm/M <sup>3</sup> ) | Remarks                              |              | 1               | PM – 2.5     | 60              | 47 | All the values are within the permissible limits |                | 2          | RPM - 10          | 100          | 64        | 3 | SO <sub>2</sub> | 80 | 19 | 4 | NO <sub>x</sub> | 80 | 29 | 5 | CO | 4 mg/m <sup>3</sup> for<br>1 hr | 2.01 |
| S.N.                            | Pollutant   | Permissible<br>Standards                   | Proposed<br>Concentration<br>(In<br>Microgm/M <sup>3</sup> ) | Remarks  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| 1                               | PM – 2.5  | 60   | 47   | All the values are within the permissible limits |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| 2                               | RPM - 10  | 100  | 64   |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| 3                               | SO <sub>2</sub>   | 80   | 19   |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| 4                               | NO <sub>x</sub>   | 80   | 29   |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| 5                               | CO  | 4 mg/m <sup>3</sup> for<br>1 hr            | 2.01   |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| Details of Fuel to be used      | <table border="1"> <thead> <tr> <th data-bbox="663 1066 743 1267" rowspan="2">Sr.<br/>No</th> <th data-bbox="743 1066 871 1267" rowspan="2">Fuel</th> <th colspan="2" data-bbox="871 1066 1126 1167">Daily<br/>consumption<br/>(TPD/KLD)</th> <th data-bbox="1126 1066 1286 1200" rowspan="2">Calorific<br/>Value<br/>(Kcals/Kg<br/>)</th> <th data-bbox="1286 1066 1358 1267" rowspan="2">%<br/>As<br/>h</th> <th data-bbox="1358 1066 1453 1267" rowspan="2">%<br/>Sulfu<br/>r</th> </tr> <tr> <th data-bbox="871 1167 999 1267">Existin<br/>g</th> <th data-bbox="999 1167 1126 1267">Propose<br/>d</th> </tr> </thead> <tbody> <tr> <td data-bbox="663 1267 743 1368">1.</td> <td data-bbox="743 1267 871 1368">Importe<br/>d Coal</td> <td data-bbox="871 1267 999 1368">70 TPD</td> <td data-bbox="999 1267 1126 1368">125<br/>TPD</td> <td data-bbox="1126 1267 1286 1368">5100 K.<br/>Cal/Kg</td> <td data-bbox="1286 1267 1358 1368">&lt;<br/>10<br/>%</td> <td data-bbox="1358 1267 1453 1368">&lt;<br/>0.5%</td> </tr> </tbody> </table>   |  |  |  |              |                 | Sr.<br>No                       | Fuel  | Daily<br>consumption<br>(TPD/KLD)          |  | Calorific<br>Value<br>(Kcals/Kg<br>) | %<br>As<br>h | %<br>Sulfu<br>r | Existin<br>g | Propose<br>d    | 1. | Importe<br>d Coal                                | 70 TPD         | 125<br>TPD | 5100 K.<br>Cal/Kg | <<br>10<br>% | <<br>0.5% |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| Sr.<br>No                       | Fuel  | Daily<br>consumption<br>(TPD/KLD)          |  | Calorific<br>Value<br>(Kcals/Kg<br>)             | %<br>As<br>h | %<br>Sulfu<br>r |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
|                                 |   | Existin<br>g                               | Propose<br>d   |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| 1.                              | Importe<br>d Coal   | 70 TPD                                     | 125<br>TPD   | 5100 K.<br>Cal/Kg                                | <<br>10<br>% | <<br>0.5%       |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| Energy                          | <p data-bbox="663 1379 1453 1514">Power Supply:<br/>Existing Power Requirement:3.5 MW<br/>Proposed Power Requirement:4.3 MW will be generated from power plant</p> <p data-bbox="663 1547 1453 1682">DG Sets:<br/>Number &amp; capacity of DG sets<br/>Existing:1 of capacity 250 KVA<br/>Proposed: Existing will be utilised</p> <p data-bbox="663 1715 1453 1783">Details of Non-Conventional renewable energy proposed to be used: NA</p>  |  |  |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |
| Green Belt Development          | <p data-bbox="663 1794 1453 2065">Green Belt Area- 11600 Sq. Mtr. At present.<br/>No. of trees and species to be planted: 15 nos of following speciaes<br/>Pithocolbian saman.<br/>Alstonia scholaris<br/>Cassia siamea.<br/>Peltoforam ferrugineum<br/>Inga Dulcis.</p>  |  |  |  |              |                 |                                 |   |  |  |                                      |              |                 |              |                 |    |  |                |            |                   |              |           |   |                 |    |    |   |                 |    |    |   |    |                                 |      |

|   |  |                        |  |   |
|---|--|------------------------|--|---|
|   | <p>Jambul<br/>Eucalyptus<br/>Golden bamboo.<br/>Soft cotton.<br/>Kadulimb.<br/>Pimpal.<br/>Number, size, age, species of trees to be cut, trees to be transplanted: NA</p> |                        |  |   |
| <p>Details of Pollution Control System:</p>                     | S.N.   |                        | Existing Pollution Control System                | Proposed to be Installed.   |
|   | 1  | Air                    | Boiler emission is controlled by installing ESP. | Existing of adequate capacity will be utilized.   |
|   | 2  | Water                  | Effluent Treatment Plant of capacity 2525CMD     | Existing ETP of adequate capacity will be utilized  |
|   | 3  | Noise                  | No high Noise operations in plant.               | Not Applicable.   |
|   | 4  | Solid Waste            | Please see Annexure 6 for Details.               | Wet soil is used as garden soil in company premises<br>Plastic waste is sent to M/S. Ambuja Cement for disposal in their Boiler taking advantage of its calorific value.<br>Waste paper sludge is sold to parties that use it as their raw material to produce low quality paper boards.<br>Metal wire is sold to scrap dealers that is recycled back for some other use.<br>Boiler ash is sold to brick manufacturers to produce Bricks. |
| <p>Environmental Management Plan.<br/>Budgetary Allocation:</p> | S.N.   | Particulars            | Recurring Cost per annum                         | Capital Cost  |
|   |  | Air Pollution Control. | 52.19 Lacs<br>Power<br>Maintenance<br>& Spares.  | 177.40 Lacs-ESP<br>&Chimney   |

|  |  |                |                |
|--|--|----------------|----------------|
|  | Water Pollution Control.               | 131.57 Lacs    | 140.35 Lac     |
|  | Noise Pollution Control.               | Not Applicable | Not Applicable |
|  | Environmental Monitoring & Management. | 1.63 Lacs      | --             |
|  | Occupational Health.                   | 21.41 Lacs     |                |
|  | Green Belt.                            | 3.10 Lacs      |                |
|  | Solid waste Management.                | 40.99 Lacs     | 10.0 Lacs      |
|  | Total                                  | 240.34 Lacs    | 327.75 Lacs    |

3. The proposal has been considered by SEIAA in its 74<sup>th</sup> 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 :

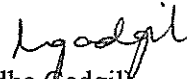
- (i) This EC is issued subject to providing lay by arrangement on the 9m radius in case of emergencies. Air pollution control measures including Coal handling has to be provided.
- (ii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (iii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iv) Regular monitoring of the air quality, including SPM & SO<sub>2</sub> 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.
- (v) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (vi) Proper Housekeeping programmes shall be implemented.
- (vii) 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.
- (viii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (ix) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (x) Arrangement shall be made that effluent and storm water does not get mixed.

- (xi) 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.
- (xii) 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.
- (xiii) 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.
- (xiv) 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.
- (xv) 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.
- (xvi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xviii) 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.
- (xix) 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.
- (xx) 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.
- (xxi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxiii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiv) 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 protectioni measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
- (xxv) 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>



- (xxvi) 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 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
  - (xxvii) 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.
  - (xxviii) 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<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral 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.
  - (xxix) 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.
  - (xxx) The environmental statement for each financial year ending 31<sup>st</sup> 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, 1<sup>st</sup> Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
10. This Environment Clearance is issued for proposed 4.5 MW Co-generation Power Plant project at Ambivali, Tal Kalyan, Dist Thane by M/s. Balkrihna Paper Mills.

  
(Medha Gadgil)  
Additional Chief 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, Thane
7. Collector, Thane
8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
9. Select file (TC-3)

(EC uploaded on 7/10/2014 )