



# Balkrishna Paper Mills Ltd.

Six monthly Compliance report of October 2018 to March 2019,  
of conditions of EC  
issued under letter No. SEAC-2013/CR-281/TC-2 dated 29.09.2014  
to M/s Balkrishna Paper Mills Ltd, Ambivali, Tal. Kalyan, Dist. Thane, Maharashtra

## ENVIRONMENTAL CLEARANCE- CONDITIONS & COMPLIANCE STATUS

No.	Condition	Compliance status
i	Providing lay by arrangement on the 9Mtr. Radius in case of emergencies.	Complied.
	Air Pollution control measures including Coal handling is to be provided.	Complied.
Ii	No additional land shall be used/acquired for any activity of the project without obtaining proper permission.	Complied.
iii	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	Water sprinkling is being done. Sprinkler system is installed.
iv	Regular monitoring of the air quality, including SPM, SO2 levels both in work zone & Ambient air shall be carried out in & around the power plant & records shall be maintained. The location of monitoring stations & Frequency of monitoring shall be decided in consultation with MPCB & submit report accordingly to MPCB,	Complied. MPCB has been carrying out environmental monitoring occasionally. Self-monitoring is carried out by us through a vender. Reports of period between Oct- 2018- March 2019 are attached.
v	Necessary arrangement shall be made to adequate safety & ventilation arrangement in furnace area.	Complied.
vi	Proper Housekeeping programs shall be Implemented.	Regular Housekeeping programs is being Implemented
vii	In the event of the failure of any pollution control devise adopted by the unit, the unit shall be immediately put out of operation & shall not be restarted until the desired efficiency has been achieved.	Agreed for compliance. Record of operation of Pollution Control Devices is maintained.
viii	A stack of adequate height based on DG set capacity shall be provided for control & dispersion of pollutant from DG set (If applicable)	Complied. DG set of 250 KVA is provided with stack height of 5.70 Mtrs.
ix	A detailed scheme for rainwater harvesting shall be prepared & implemented to recharge ground water.	Roof top Rain water is connected to ground water recharge pit. Copy of KDMC NOC attached.
x	Arrangement shall be made that effluent & Storm water does	Storm water drains are



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	not get mixed.	separate.
xi	Periodic monitoring of ground water shall be undertaken & results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to MPCB.	Complied.
xii	Leq noise levels shall be maintained as per standards. For people working in high noise area, requisite PPE like ear plug etc. shall be provided.	Complied.
xiii	The overall noise levels in & around the plant 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 E.P. Act 1986 & E.P. Rules 1989.	Ambient noise monitoring is done periodically. Reports are within statutory limits. Copy of report is enclosed herewith.
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 & in consultation with the local DFO/Agricultural Dept.	We have already planted about 450 trees.
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 & warning.	Complied.
xvi	Occupational Health surveillance of the workers shall be done on a regular basis & records maintained as per Factories Act.	Done. Routine Medical Examination of employees done by Competent medical practitioner, as per Factories Act.
xvii	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Company is in production since year 1971. Necessary arrangement for fire protection is available including fire Hydrant System & portable fire extinguishers. FIRE NOC from KDMC attached.
xviii	The project authorities must strictly comply with the rules & regulations with regard to handling & disposal of hazardous wastes in accordance with the Hazardous Waste Rules 2003. Authorities from MPCB shall be obtained for collection/treatment/storage/disposal of Hazardous waste.	Not Applicable as we are not handling any hazardous waste.
xix	The company shall undertake following waste Minimization Measures: <ul style="list-style-type: none"> <li>• Metering of quantities of active ingredients to minimize waste.</li> <li>• Reuse of by-products from the process as raw materials or as raw material substitutes in other process.</li> </ul>	We are taking measures for waste water recycling as well as for recovery of paper. Metering is being done for water recycling. Water sprinkling arrangement is also done. We are having ZLD





	<ul style="list-style-type: none"> <li>• Maximise recoveries</li> <li>• Use of automated material transfer system to minimize spillage.</li> </ul>	system
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.	Complied. Mock drill & firefighting demo is conducted.
xxi	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. Structure of Environment Management Cell is enclosed.
xxii	Transportation of ash will be through closed containers & all measures should be taken to prevent spilling of the ash.	Complied.
xxiii	Separate silos will be provided for collecting & storing bottom ash & fly ash.	Silos provided. Ash transport is done pneumatically.
xxiv	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break up. These cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purposes & year wise expenditure should be reported to MPCB & this department.	Capital investment of Rs. 60.3 lacs for ash handling system & silo. Capital investment of 8.32 Crores is for Boiler & ESP to control fugitive emission. O&M, ESP = Rs. 16200/Month Water sprinkling = Rs. 3000/-month. Tree Plantation = Rs. 3 lac/yr. Rain Water Harvesting = Rs. 1 Lac/Yr. Housekeeping = 3 Lac/Yr. Waste water Treatment = 100 Lac/Yr D.M. Water Rs. 13 lac/Yr
xxv	The project management shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance & copies of clearance letter are available with the MPCB & may also be seen at website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	Complied.
xxvi	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions in soft copies to the MPCB & this department.	Complied.
xxvii	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation & 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.	Complied.





xxviii	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website & shall update the same periodically. It shall simultaneously be sent to the Regional Officer of MOEF, the respective Zonal Offices of CPCB & 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 & displayed at a convenient location near the main gate of the company in the public domain.	Noted for compliance.
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 e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB & SPCB.	Complied.
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 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 & shall also be sent to the respective Regional Offices of MOEF by e-mail.	The Environmental Statement for financial year ending 31 <sup>st</sup> March 2018 in Form-V is already submitted on 21-09-2018.
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 & it does not mean that project proponent has not violated any environmental laws in the past & whatever decision under EP Act or of the Hon. 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.	Agreed & Noted.
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.	Agreed & Noted.
6	Validity of Environment Clearance: The Environment Clearance accorded shall be valid for a period of 5 years to start of production operations.	Agreed & Noted. Captive Power Plant with 4.5 MW Capacity has been commissioned in Nov 2014 & we have also obtained Consent to Operate for the same from Maharashtra Pollution Control Board (MPCB) on 19 <sup>th</sup> Nov 2014.



		Further monitoring is being done by MPCB.
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 & to incorporate additional environmental protection measures required, if any.	Agreed & Noted.
8	The above stipulations would be enforced among others under the Water Act, 1974, the Air Act 1981, the E.P. Act 1986 & rules there under, Hazardous Wastes Rules 1989 & its amendments, the Public Liability Insurance Act, 1991 & its amendments.	Agreed & Noted.
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.	Agreed & Noted.
10	This Environmental Clearance is issued for proposed 4.5 MW Co-generation Power Plant project at Ambivali, Tal. Kalyan, District Thane by M/S. Balkrishna Paper Mills.	Agreed & Noted.

Place: Ambivali

Date: 19<sup>th</sup> July 2019



*Sanjay*  
Shri. Sanjay Panwar

President

Balkrishna Paper Mills Ltd.

Enclosures:

- Stack, ambient & Noise monitoring Report
- Effluent monitoring reports
- Rain Water harvesting NOC
- Fire NOC by KDMC



### Self-Monitoring Reports of Stack CPP 4.5 MW

Parameter	Unit	31/10/18	30/11/18	31/12/18	26/01/19	28/02/19	30/3/19	Norm
T.P.M.	Mg/Nm <sup>3</sup>	51.2	48.4	47.5	46.3	45.8	48.6	150
SO <sub>2</sub>	Kg/day	62.8	183.4	179.6	152.4	182.2	187.5	1250

### Self-Monitoring Report of Effluent Water Sample

Parameters	Unit	31/10/18	30/11/18	31/12/18	26/01/19	28/02/19	30/3/19	Norm
pH	----	7.2	7.1	7.26	7.34	7.22	7.15	5.5 to 9.0
BOD 3 days 27 deg.C	Mg/ltr	60	63	59	62	54	52	100
C.O.D.	Mg/ltr	168	172	168	173	160	155	250
Total Suspended Solids	Mg/ltr	65	68	65	67	63	60	100
Oil & Grease	Mg/ltr	0.12	0.15	0.20	0.24	0.15	0.21	10

### Self-Monitoring Report Ambient Air Surveillance

#### Limit

RSPM - 100 µg/m<sup>3</sup>

SO<sub>2</sub> - 80 µg/m<sup>3</sup>

NO <sub>x</sub> - 80 µg/m <sup>3</sup> Date	Parameters	Near main gate	Near Boiler House	Near ETP
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
31/10/2018	RSPM	50.6	54.2	48.6
	SO <sub>2</sub>	39.2	37.8	32.7
	NO <sub>x</sub>	31.5	30.6	28.5
31/11/2018	RSPM	53.8	58.4	50.2
	SO <sub>2</sub>	37.4	39.5	33.8
	NO <sub>x</sub>	32.3	33.7	30.6
31/12/2018	RSPM	51.5	56.7	46.5
	SO <sub>2</sub>	35.9	36.4	32.6
	NO <sub>x</sub>	33.2	34.2	31.2
26/01/2019	RSPM	49.6	53.8	44.5
	SO <sub>2</sub>	33.5	34.7	31.9
	NO <sub>x</sub>	32.4	32.9	30.6
28/02/2019	RSPM	50.8	54.3	48.6
	SO <sub>2</sub>	34.2	33.7	32.8
	NO <sub>x</sub>	29.6	31.5	30.4
30/03/2019	RSPM	52.6	56.5	50.4
	SO <sub>2</sub>	35.4	34.6	33.2
	NO <sub>x</sub>	30.3	31.8	29.55



**Self-Monitoring Report of Noise Level Day Time INdB(A)**

**Limit**

During day time < 75 dB(A)

Date	Near Security gate		Near ETP		Near Boiler House	
	dB(A)		dB(A)		dB(A)	
	Max	Min	Max	Min	Max	Min
31/10/2018	71.3	69.6	72.7	71.3	71.2	70.5
30/11/2018	71.5	69.2	72.4	71.8	71.7	70.7
31/12/2018	71.9	70.2	72.2	71.5	72.1	71.6
26/01/2019	71.6	70.0	72.4	71.8	72.6	71.9
28/02/2019	71.5	70.0	71.3	70.7	72.4	71.8
30/03/2019	71.2	70.1	71.0	70.6	72.5	71.9

