

13th August,2018

To
The Director,
Govt. of India
Ministry of Environment & Forests (I.A. Division)
Paryavaran Bhawan, CGO Complex, Lodhi Road
New Delhi – 110 003

You're Ref: F.No.J-11011/437/2010-IA-II (I) dated 13.01.2012 (Environmental Clearance)

Sub: Submission of Compliance report to Conditions for Environmental Clearance for EPML Mill Expansion Plan (MEP), to increase the production from 1,30,000 tpa to 4,60,000 tpa and power generation from 20 MW to 140 MW at Balgopalpur, Balasore

Dear Sir,

We reference to the above Environmental Clearance issued to us, we are enclosing herewith the six monthly compliance report for the period from October17 to March2018.

Hope you will find the same in order.

Thanking You,

**Yours faithfully,
For EMAMI PAPER MILLS LIMITED**

Authorized Signatory

- Cc to: 1. Director
Govt. of India
Ministry of Environment & Forests
Eastern Regional Office
A/3, Chandrasekharapur
Bhubaneswar-751023
2. Member Secretary
State Pollution Control Board
Paribesh Bhawan
A/118, Nilakantha Nagar, Unit – III
Bhubaneswar – 751 012
3. Member Secretary,
Central Pollution Control Board
Paribesh Bhawan
CBD – CUM – Office Complex
East Arjun Nagar
NEW DELHI – 110 03

Compliance to conditions for Environmental clearance issued dated on 13th January, 2012 for M/s EPML-Mill Expansion Plan by MoEF, Delhi, Vide reference F. No. J-11011 / 437/2010 - IA-II (I) from October' 2017 to March 2018

Compliance Status

S. No	Specific Conditions	Compliance
1	The project authority shall install Electrostatic Precipitator to control the emissions from the Chemical Recovery Boiler and Gas Fire Boilers to achieve the particulate emission below 50 mg/Nm ³ .	The boiler is having an adequately sized ESP to control the emission below 50mg/Nm ³ . ESP already installed. Emission is within prescribed limit.(Test report attached (Annexure-1))
2	Data on ambient air, stack and fugitive emissions shall be regularly submitted online to Ministry's Regional office at Bhubaneswar, OPCB and Central Pollution Control Board as well as hard copy once in six months and display data on PM10, SO ₂ and NOx outside the premises at the appropriate place for the general public. Operation regarding expansion shall be co-terminus with the stack monitoring	Being complied. Test report of PM10, PM2.5,SO2, and NOx in the ambient air is enclosed herewith.(Annexure – 2)
3	In case of treatment process disturbances/ failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Shall be followed.
4	The water requirement shall not exceed 75,000 m ³ /day. The industry shall ensure the compliance of the standards for discharge of the treated effluent from the unit as stipulated under the Environment (Protection) Act rules or SPCB whichever is more stringent. The company shall make an efforts to limit the water consumption upto 75 m ³ /tonne of product. The company shall develop more water recharge structure in addition to the existing recharge structures and shall make barrage on the river in consultation with the state government.	In the present mill expansion, only board plant based on purchased pulp & waste paper with 10.5 MW CPP has been installed. Fresh water consumption is always less than 75M ³ /T of paper. Installation of 8 nos additional recharge structure for run off/rain water has been completed in operation & 3 nos of recharge structures are in construction phase. Construction of barrage in the river is not applicable currently as river drawl is not being done, because of no captive pulping.
5	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board and regular monitoring shall be carried out for all relevant parameters to maintain the effluent treatment efficiency. The report shall be submitted to Ministry's Regional Office at Bhubaneswar, OPCB and CPCB.	Effluent quality monitoring station at final discharge point has been set up in consultation with SPCB & is being monitored. Final discharge quality is meeting the prescribed standard. Influent quality is monitored by sampling process.
6	The company shall install Oxygen Delignification (ODL) Plant and shall maintain AOX below 1 kg/tonne of paper production.	Not applicable as no captive pulping.
7	ECF technology shall be adopted and the lime kiln shall be installed to manage lime sludge.	Not applicable as no captive pulping
8	The company shall submit the comprehensive water management plan along with monitoring plan for the ground water quality and the level, within three months from date of issue of this letter.	Industry has already submitted the comprehensive water management plan (Hydro geological investigation and rain water harvesting scheme report) vide our letter dated 17.04.2012.

S. No	Specific Conditions	Compliance
9	The ash generated from the plant shall be disposed of in accordance with the provisions of the Fly Ash Notification, 2003 and as amended in 2009.	100% fly ash generated from boilers is being used for making bricks by supplying outside brick manufacturing units about 170 nos.
10	The project authority shall dispose of hazardous waste as per the provision of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.	It is being complied as per the guideline given in the authorization letter hazardous waste (Management, Handling & Transboundary Movement) Rules 2008.
11	The company shall develop green belt in 33% of the total land as per the CPCB guidelines to mitigate the effect of fugitive emissions.	The required green belt and green cover for the proposed MEP project covering 33% of the total land will be developed along the plant boundary as per CPCB guideline. Plantation along the boundary line of the project site had been carried out. Total board plant area is 40 acres. Out of which 14 acres are under green cover. Hence 33% of the plant area is with green cover & this condition is complied.
12	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being carried out.
13	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	The plant has already full fledged fire protection system i.e Fire hydrant system, water sprinkling system, Fire extinguishers are in place supported by well trained personnel, fire tender. The poposed facilities is with full fledged fire protection system.
14	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the pulp and paper sector shall be strictly implemented.	The EPML has complied to the CREP conditions.
15	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 27 th May, 2011 shall be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	Complied.
16	At least 5 % of the total cost of the project shall be earmarked towards the enterprise social commitment and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	Action plan for various CSR activities are enclosed here with. (Annexure-3)

S. No	Specific Conditions	Compliance
17	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied.
18	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Copy of Environment Policy (Annexure-4) and Environment Cell (Ennexure-5) (Hierarchical System) are submitted. SOP/procedure to focus on various problems/deviations etc. are addressed & resolved to comply against all relevant environmental regulations/norms. Any deviations if any shall be reported to the Board of Director.

S.No	General Conditions	Compliance
1	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board and the State Government.	Being complied
2	No further expansion or modernization in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Being complied.
3	One ambient air quality monitoring station shall be installed in downwind direction. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with SPCB and report submitted to the OPCB quarterly and to the Ministry's Regional Office at Bhubaneswar half-yearly.	Monitoring of ambient air quality and stack emission are carried out regularly in consultation with SPCB and report being submitted to concerned authorities. Noise levels measured and reported.
4	In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials/coal handlings etc. shall be provided. Bag filters shall be provided at transfer points and dedusting stacks to control fugitive emissions. Water sprinkling, black topping of internal roads and	Adequate green belt is being developed in and around the mill to control the fugitive emissions, water spraying is made regularly on the main road /approach in side & periphery of the plant to prevent the spreading of these

S.No	General Conditions	Compliance
	green belt development shall be carried out to control the fugitive dust emissions due to vehicular movement. Dust suppression and extraction system shall be provided to control secondary fugitive emission during raw material handling and processing.	emissions if any. Dust collectors and water spraying system are installed to control fugitive emissions. Dust suppression/extraction system is provided to new coal plants to control the fugitive emissions.
5	Proper house keeping and cleanliness must be maintained within and outside the plant.	Being Complied
6	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise level is below the prescribed limit. (Report attached-Annexure-6)
7	The company shall undertake rainwater harvesting measures to recharge the ground water.	Complied.
8	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, specially for those engaged in handling hazardous substances. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee should be maintained separately.	Complied
9	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	All EMP measures are in place.
10	The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bhubaneswar / OPCB /CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.	Six monthly compliance report being submitted to MoEF regional office at Bhubaneswar / OSPCB / CPCB .
11	Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. shall be ensured for construction workers during the construction phase so as to avoid felling of trees and pollution of water and the surroundings.	Complied
12	The project proponent shall have a scheme for social upliftment in the surrounding villages with reference to contribution in road construction, education, establishment of health centers, sanitation facilities, drinking water supply, community awareness and employment to local people whenever and wherever possible both for technical and non-technical jobs.	Complied accordingly under CSR activities.
13	A separate Environmental Management Cell equipped with full fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of Senior Executive.	Full-fledged laboratory facilities are available to measure the environmental parameters for treated effluent & stack emissions. Industry has its environmental management cell for pollution control and periodically reviewed for strengthening

S.No	General Conditions	Compliance
		the system.
14	The requisite amount shall be earmarked towards capital cost and recurring cost/annum for implementing environment pollution control measures respectively and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and an implementation schedule for implementing all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.	Being complied.
15	The project proponent shall upload the status of compliance of the stipulated environment clearance 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 the MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Latest status being uploaded.
16	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental 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. The Regional Office of this Ministry at Bhubaneswar /CPCB/SPCB shall monitor the stipulated conditions.	Being complied.
17	The environmental statement for each financial year ending 31 st 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 environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by e-mail.	Environmental statement in Form-V is being submitted to MoEF regional office at Bhubaneswar / SPCB / CPCB.
18	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at the Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	Press notification has been made about the project which has been accorded environmental clearance by the ministry in daily newspaper SAMBAD (Oriya) and THE NEW INDIAN EXPRESS (English), Bhubaneswar in dated 19.01.2012. It has also been communicated to Regional Office, Bhubaneswar vide our letter 3 rd April, 2012.

EMAMI PAPER MILLS LIMITED

Online Stack Emission Monitoring Report

Date	PM (mg/NM³) , 10.5MWCPP
October 17	30.6
November 17	33.1
December 17	33.0
January 18	34.8
February 18	34.3
March 18	34.5

Annexure - 2

AMBIENT AIR MONITORING REPORT**A-AAQMS-1, B-AAQMS-2, C-AAQMS-3**

Date	Particulate matter		SO ₂ (µg/M ³)	NO ₂ (µg/M ³)
	PM10 (µg/M ³)	PM2.5 (µg/M ³)		
03.10.17	24.7(A)	16.7(A)		
09.10.17	27.0(B)	14.0(B)		
13.10.17	27.7(C)	15.8(C)		
17.10.17	55.0A)	44.9(A)	21(A)	18(A)
23.10.17	32.8(B)	16.4(B)		
26.10.17	61.5(C)	35.5(C)		
03.11.17	51.0(A)	40.0(A)		
08.11.17	52.0(B)	40.0(B)		
12.11.17	74.3(C)	51.5(C)		
15.11.17	48.0(A)	37.0(A)		
21.11.17	63.0(B)	51.0(B)	10(B)	16(B)
26.11.17	41.1(C)	26.4(C)		
04.12.17	79.9(A)	43.6(A)		
08.12.17	65.0(B)	41.0(B)		
15.12.17	41.8(C)	30.9(C)	23(C)	24(C)
21.12.17	86.3(A)	40.2(A)		
25.12.17	51.0(B)	41.0(B)		
30.12.17	53.4(C)	39.1(C)		
06.01.18	63.0(A)	55.0(A)		
09.01.18	93.0(B)	53.0(B)		
13.01.18	81.0(C)	30.0(C)		
19.01.18	72.0(A)	37.0(A)		
23.01.18	85.0(B)	47.0(B)	15(B)	7(B)
27.01.18	54.0(C)	23.0(C)		
05.02.18	60.0(A)	21.0(A)		
08.02.18	88.0(B)	41.0(B)		
13.02.18	76.0(C)	45.0(C)		
19.02.18	56.0(A)	24.0(A)	20(A)	20(B)
24.02.18	72.0(B)	33.0(B)		
26.02.18	52.0(C)	27.0(C)		
05.03.18	57.4(A)	37.0(A)		
10.03.18	54.0(B)	35.0(B)		
14.03.18	41.0(C)	35.0(C)	14(C)	21(C)
21.03.18	24.0(A)	17.0(A)		
26.03.18	49.0(B)	23.0(B)		
29.03.18	55.0(C)	31.0(C)		

CSR Activities done from October 17 to March 2018

Sl. No.	CSR Activity	Sl. No.	Activities Details
1	Eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available safe drinking water.	1.1	Eradication of Hunger through daily Feeding for 300 persons and mass feeding on Makar mela
		1.2	Contributed Rs. 5 lacs towards Aahar Yojna of Govt. of Odisha
		1.3	2486 no.s of blankets distributed to 24 orphanages
		1.4	Rs. 1,50,000/- provided for construction of Toilet complex at Vivekananda Shiksha Kendra, Remuna
		1.5	Regular Homeopathic Dispensaries : 7083 patients treated Regular Ayurvedic Dispensaries : 6121 patients treated
		1.6	Health promotion through allopathic health camps
		1.7	Medical support to the Poor Needy : 12 cancer patients benefited
		1.8	Health Promotion through special Homeopathy-cum-Ayurvedic Camps : 11 camps 3481 patients treated
		1.9	Health promotion through Mobile Health Services : 4419 patients treated
		1.10	Health Promotion through making available safe Drinking Water: two tubewells installed & Rs. 5,53,110 /- provided for Water Pipe line Supply at Refugee colony, Balgopalpur for drinking water purpose
		1.11	100 White bedsheets distributed to Nilgiri PHC
2	Promoting education, including special education and employment enhancing vocation skills especially among children, women, elderly, and the differently abled and livelihood enhancement projects.	2.1	180 pairs bench cum desk provided to 6 educational institutes
		2.2	5 ceiling fans provided to Naraharipur Nodal UP school
		2.3	Providing Education Support to Local Play School
		2.4	Balvikas Kendra : 10 centres 232 students : study materials provided
		2.5	28546 free exercise notebooks provided to 29 educational institutes
		2.6	Scholarship Distribution to 102 Meritorious Students
		2.7	3 Quintal Rice, 50 Kg Potato and 25 Kg Dal Provided every month to Bapuji Sevasadan Orphanage
		2.8	2 lacs provided to Saraswata Gurukul Shikshya Kendra for construction of second floor building
3	Promoting gender equality, empowering women and measures for reducing inequalities faced by socially and economically backward groups.	3.1	Reducing inequality through Financial help to Poor : 15 persons benefited
		3.2	Mass Marriage: conducted for 20 couples
4	Ensuring environmental sustainability, ecological balance, animal welfare, agroforestry, conservation of natural resources.	4.1	Environmental Sustainability by Plantation Activities : Fruit bearing plants distribution to 28 Educational Institutions
		4.3	Shelter for 190 abandoned cattle
5	Protection of national heritage, art and culture including restoration of buildings and sites of historical importance and works of art.	5.1	Renovation of Historical monuments and Local Temples : a. Rs. 50,000/- Provided for Restoration work of Mukhshala of Lord Radhakrishna Jew Mandir at Dharaganj b In 2016-17 Rs. 5,30,695/- provided for Construction of Sibeswari Temple, Nuapadhi. In 2017-18 Rs. 1,00,000/- Provided for Completion of the Temple.
		5.2	Supported to 18 Local organizations for promoting Art & Culture
6	Rural Development	6.1	Street Light & Village Lighting : 2 High Max street light posts Provided to Mandarpur & Patripal Village
		6.2	Local Welfare activities: a. water tank and solar light Provided to Mother Teresa Seva Sangha orphanage b. Inverter Provided to CHRDS English Medium School (Orphanage) c. Asbestos sheets provided to Kanya Ashram, Dhobsila (Orphanage) for the roof of the Kitchen



emami paper mills limited

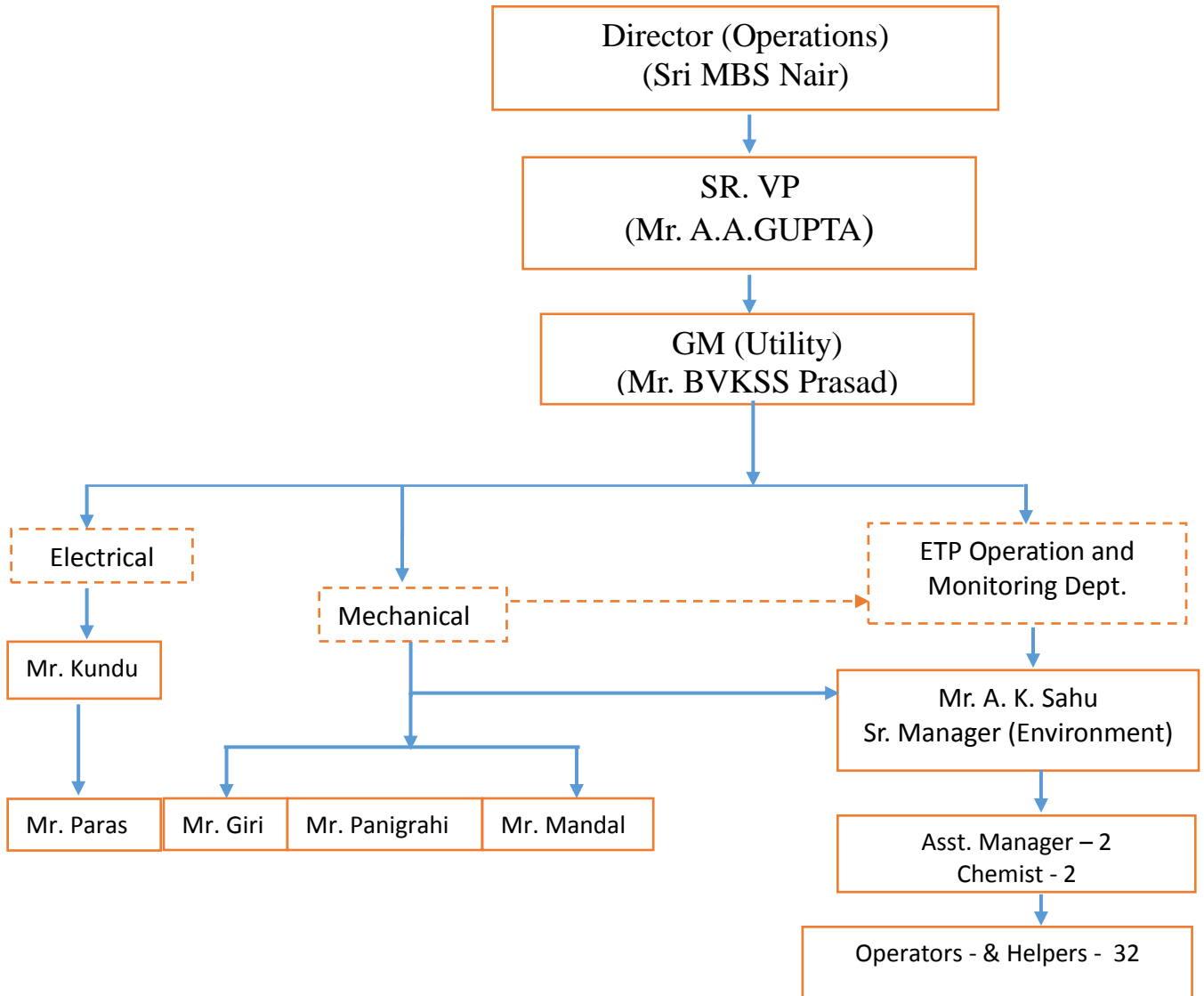
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ENVIRONMENTAL POLICY OF EPML

- ✓ To produce eco-friendly Paper & Board by adopting cleaner technology.
- ✓ To provide cleaner environment by sustained R&D efforts and continual process improvement.
- ✓ To minimize environmental impacts based on the prevention of pollution by adopting cleaner technology or Best Available Technology (BAT).
- ✓ To comply with all relevant environmental legislation and regulation by following standard operating process / procedure.
- ✓ To conserve and optimize the usage of resources i.e. water, power, fossil fuel and other input raw material like waste paper, chemicals etc.
- ✓ To educate and train to promote our human resources to be environmentally responsible.

EXECUTIVE DIRECTOR

Environment Cell



Average sound level measurement data**Location - Board Plant**

Month	Ambient Sound Level , dB Day / Night
October,17	57/54
November,17	56/55
December,17	58/53
January,18	55/52
February,18	56/54
March,18	57/55