

JK PAPER LTD.

Unit : J.K. Paper Mills, Jaykaypur. Distt. Rayagada. Odisha-765017



Ref: JKPW/ CTS/08.04A/ 86 /2022,

November 25, 2022

Dr. Suresh Babu Pasupuleti
Government of India,
Ministry of Environment, Forests & Climate Change,
Eastern Regional Office,
A-3, Chandrasekharpur.
BHUBANESWAR- 751023

Re: Half Yearly Compliance Reports in respect of Environment Clearance.

Your Letter No. File No. 106-12/EPE, 11.05.2020

Dear Sir,

With reference to the above letter, we are here with submitting half-yearly compliance reports (From April 2022 to September 2022) along with all supporting documents, monitoring results etc. in respect of the stipulated Environment Clearance terms and conditions through mentioned mail id.

Thanking you.

Yours faithfully,
For J K Paper Limited

Executive Vice President (Works)

Copy to:

Member Secretary, Odisha Pollution Control Board, Bhubaneswar, Odisha
Regional Officer, Odisha Pollution Control Board, Kasturi Nagar, Rayagada



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CIN-L21010GJ1960PLC018099

Half Yearly Environment Clearance Compliance Report

Name of the Project: J. K. Paper Mills

Clearance Letter No: J-11011/172/2010-IA-II(I), Dated 20th April 2011

Period of Compliance Report: April 2022 – September 2022

Sl. No.	Specific Condition	Status
1.	Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Government should be ensured and regular reports submitted to the Ministry and its Regional Office at Bhubaneswar	<p>We have obtained Environmental Clearance letter from MoEF cc, New Delhi vide letter no. J-11011/172/2010-IA-II(I), Dated 20th April 2011 and amended Clearance vide letter no. J-11011/172/2010-IA-II(I), Dated 10th May 2013 and letter no. J-11011/172/2010-IA-II(I), Dated 18th June 2018.</p> <p>Obtained Consent to Operate for Air and Water from Odisha State Pollution Control Board vide order no. 5332/IND-I-CON-41, dt. 27.03.2021 and valid up to 31.03.2023.</p> <p>All compliance reports related to specific and general conditions stipulated for the existing plant by the Central/State Government is being regularly submitted to the Ministry and its Regional Office at Bhubaneswar.</p>
2.	The project authority shall install ESP to CFBC boilers to achieve the particulate emission below 50 mg/Nm ³ . The emissions from chemical recovery section shall be controlled through primary and secondary ventury scrubbers. To scrub the vent gases, scrubber shall be installed in the pulping and bleaching section. Lime scrubbing shall be done to mitigate SO ₂ emissions and Low NOx burners shall be installed.	<p>In our new CFBC boiler with the latest design of our ESP, we are able to achieve the particulate emission below 50 mg/Nm³.</p> <p>In chemical recovery boiler, we have adopted bigger size economizer with highly efficient ESP instead of primary and secondary ventury scrubber, to control emissions.</p> <p>We have adopted bleach scrubber in bleaching section by using caustic solution which is more effective than lime.</p> <p>Stack emissions are being monitored through on-line monitoring system as well as using manual stack-monitoring devices. The monitoring results of Stack for Coal fired Boiler and liquor Fired Boiler from April'22 to September'22 is given below. We are monitoring the different parameters of all stacks by third party once in 3 months. The last test report of Coal fired Boiler and Liquor Fired Boiler is attached as Anx - I</p>

Monitoring results of Coal Fired Boiler										
Period	Sampling locations	PM			SO ₂			NO ₂		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
Aprl'22 – Sept'22	Coal Fired Boiler	35.82	29.74	33.03	182.3	164.32	173.65	172.8	139.27	159.77


 Gen. Manager (EHS)

Monitoring results of Liquor Fired Boiler													
Period	Sampling locations	PM			H ₂ S			SO ₂			NO ₂		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
Aprl'22 – Sept'22	Liquor Fired Boiler	40.34	29.61	35.67	6.91	5.22	6.09	182.4	128.57	152.72	189.24	155.36	171.75

Sl. No.	Specific Condition	Status
3.	The total water requirement after expansion shall not exceed 31,960 KLD. The industry should ensure the compliance of the standards for discharge of the treated effluent from the unit as stipulated under the EPA rules or SPCB whichever is more stringent. The company shall make efforts to limit the water consumption up to 75 m ³ /tonne of product. Adequate steps including use of modern RO/UF based technologies should be used to increase recycling and reduce water consumption. The wastewater shall be discharged only after meeting the CPCB norms. Efforts shall be made to achieve 10 Kappa by using H ₂ O ₂ . The Company shall harvest the rainwater to recharge the ground water.	Our freshwater consumption is well within 31,960 M ³ /day. Our specific water consumption is getting reduced significantly by implementing different water saving schemes year by year. Last year water consumption is 28.48 M ³ (Aprl'22 to September'22) per ton of paper. The detail data is given in the graph Anx-II. Two stage oxygen delignification processes have been adopted at Pulp mill to control 10 kappa. Presently the rainwater is going to recharge wells.
4.	Adequate number of influent and effluent quality monitoring stations should be set up in consultation with the State Pollution Control Board and regular monitoring should 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, SPCB and CPCB.	Influent and effluent monitoring stations are set up in consultation with the SPCB. pH, BOD, COD, TSS is being closely monitored regularly to maintain the effluent treatment efficiency. Moreover, all the above parameters are being monitored through on-line monitoring system and the real time data is being transmitted to CPCB and OSPCB. The AOx content in treated and untreated effluent being tested through Central Pulp and Paper Research Center, Saharanpur. The test results of pH, BOD, COD, TSS are being sent to SPCB on monthly basis. We have also tested the different parameters of Treated and untreated effluent, Upstream and Downstream of River Nagavali from Vimta Lab, Hyderabad and the monitoring data are attached in Annexure – III, IV respectively.


 Gen. Manager (EHS)

Stage wise Effluent Monitoring Data														
Period	Monitoring station	pH			SS (mg/l)			COD (mg/l)			BOD (mg/l)			AOx (mg/l)
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Avg
Aprl'22 - Sep'22	Inlet to ET Plant	8.0	6.6	7.2	1305	931	1114	1386	987	1181	360.0	275.2	315	8.05
	Primary clarifier overflow	8.1	6.5	7.2	148	113	131.8	686	500	576	271.1	134	184.8	--
	Activated sludge basin overflow	8.2	6.8	7.3	2965	2561	2770	--	--	--	--	--	--	--
	Secondary clarifier overflow	8.2	6.8	7.3	34	16	21.9	192	123	164.1	19.2	7.8	15.5	4.06

Sl. No.	Specific Condition	Status
5.	The company shall install Oxygen Delignification (ODL) Plant and maintain AOX below 1 kg/ton of paper production.	We have already adopted two stage oxygen delignification processes in our new pulping process and the AOX level at our treated effluent is between 0.09 - 0.13 kg/ton of paper production. The AOX content in treated and untreated effluent being tested through Central Pulp and Paper Research Center, Saharanpur.
6.	Elemental Chlorine Free (ECF) technology shall be used and lime kiln should be installed to manage lime sludge.	We are not using chlorine in our bleaching process. We have one Lime kiln plant having capacity 300 MT/day for lime sludge management.
7.	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.	Since long, we are monitoring ground water quality twice a year at three places around the factory and the reports are being submitted regularly to your office. The recent analysis report is enclosed in the Annexure - V. With respect to ground water level, we are capturing the month wise data since Oct'11 with the help of a level indicator from bore well. The month wise ground water level data is as under (From April' 22 – September' 22).

Month	Aprl -22	May -21	June -21	July -22	Aug -22	Sept - 22
Ground water level in (m)	21.3	21.4	21.1	20.7	19.8	19.2


 Gen. Manager (EHS)

Sl. No.	Specific Condition	Status
8.	The Ash generated from the plant shall be disposed of in accordance with the provisions of the Fly Ash Notification, 2003 as amended in 2009.	In our present fly ash management system, we are utilizing 100% generated fly ash for manufacturing of bricks. Every month we are sending statement to your office. The statements for last year (April 2021 – March 2022) is already submitted to your office vide our letter no. JKPW/CTS/08.04A/09, dt. 25.04.2022.
9.	The project authority shall dispose of hazardous waste as per the provision of Hazardous Wastes (Management Handling and Transboundary Movement) Rules, 2008.	We have obtained Hazardous waste Authorization from Odisha State Pollution Control Board vide letter no. IND-IV-HW-03/20905, dt. 28.12.2021 and the authorization is valid up to 31.03.2023. All the Hazardous waste is being disposed off as per the guidelines.
10.	The company should develop green belt in 33% of the total land all along the boundary wall as per the CPCB guidelines to mitigate the effect of fugitive emissions.	At present, from our total area, 41.11% have been covered with green belt. In addition to that, we are planning to develop more green belt in future.
11.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	As per Factory Rule 62-1 in form 31-A, we are conducting Occupational Health Checkup annually for all permanent employees as well as contractor employees and records are being maintained. Details of Occupational health checkup for all employees for the year 2021-22 is given below for your reference.

Summary of Health Check Up for the year - 2022

Sl. No	Description	Total No of employees to be covered	Retired, Resign, Death	Actual manpower	Actual Done	Balance to be done	Percentage calculation
1	Annual Medical Checkup	1166	58	1108	1106	2	99.82
2	Eye Checkup (General and Colour Blindness)	518	0	518	472	46	91.12
3	Health Checkup of the Food Handlers (Guest House & Canteen Staff)	29	0	29	29	0	100
4	Chest 'X"Ray	344	0	344	314	30	91.28
5	Audiometry Test	431	0	431	397	34	92.11
6	Vertigo	159	0	159	146	13	91.82


 Gen. Manager (EHS)

Sl. NO.	Specific Condition	Status
12.	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Suitable fire hydrant system is in place for throughout the plant. About 408 Fire Hydrants and 37 monitors has been installed at different location of plant as per the requirements
13.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the pulp and paper sector should be strictly implemented.	All the recommendations made in the Charter on CREP are being followed strictly and the last compliance report is submitted herewith as Anx - VI
14.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 22 nd December, 2010 should 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.	We have prepared action plan to implement all the commitments made to the public during the Public Hearing through our CSR activities. The status of commitments made during the Public Hearing is as under.

Sl. No.	Issue in Public hearing	Activity Proposed	Present Status
A.	Provision of OHT & water supply in Bada Chandili village	Construction of One Bore Well together with an Overhead Tank and a few distribution points	<ul style="list-style-type: none"> Completed in both villages <ul style="list-style-type: none"> - Badachandili OHT was completed in FY;2011-12 - Sanachandili OHT was completed in FY;2011-12 <p>(Along with the above we are planning to install borewell / hand pump for drinking water provision in other nearby villages during FY 2022-23)</p> <ul style="list-style-type: none"> Cleaning and maintenance are taken up by us in regular interval as and when required.
B.	Start ITI / Training	Support 10 SC / ST Students from the vicinity to pursue ITI course	<ul style="list-style-type: none"> Provided financial support to 01 student pursuing Engineering (B TECH) from Sanochandili village. Note: - Apart from the above we shortlisted 12 students for JK Meritorious Scholarship during this FY 2022-23.
		Government of Odisha has approved an ITI at Rayagada and the same is under construction. JKPM is proposing to take over the said ITI once it is completed and shall convert it into a Centre of Excellence and run the same under Central Govt. Scheme.	<ul style="list-style-type: none"> JKPM has signed an agreement with the said ITI for taking in adequate nos. of apprentices.


 Gen. Manager (EHS)

Sl. No.	Issue in Public hearing	Activity Proposed	Present Status
C.	Gopanbandhu Park situated at Jaykaypur, approach road to nearby villages are not well developed.	As a part of road widening initiative taken up by the State Government, the park which is situated at the centre of the road is going to be relocated. Maintenance of the park shall be resumed once the said relocation of the park takes place. Approach roads to nearby villages are being developed to and from Rayagada by Government through World Bank Funding.	<ul style="list-style-type: none"> Gopabandhu Park was renovated and maintained by us in a regular manner. Note initiatives to support Chandili GP for cleaning of Market area since last five years.: Apart from this JKPM-CSR has taken

Sl. No.	Specific Condition	Status
15.	At least 5 % of the total cost of the project shall be earmarked towards the enterprise social commitment based on Public Hearing & social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	Please refer to our Annexure – VII for detailed proposal and expenditure on CSR.
16.	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, mobile STP, 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.	Our project already completed and commissioned, and all temporary structures have been removed.

Sl. No.	General Condition	Status
i	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board and the State Government.	Noted and being adhered to.
ii	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.	Noted


 Gen. Manager (EHS)

Sl. No.	General Condition	Status
iii	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 UPPCB and report submitted to the OPCB quarterly and to the Ministry's Regional Office at Bhubaneswar half-yearly.	Ambient air quality and stack emissions are being monitored regularly and report submitted to the OPCB monthly and to the Ministry's Regional Office at Bhubaneswar half-yearly. Three online ambient air quality monitoring station has been installed and real time data is being transmitted to Odisha State Pollution Control Board. The last report of Ambient Air Quality is submitted herewith as Anx – VIII
iv	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 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.	Full proof pollution control technologies have been already adopted at all the dust prone areas and fugitive emissions and the same being monitored regularly. The fugitive emissions data is being collected at 5 different places (Areas: Coal Handling area, Fly ash transportation area, Lime handling area, Chipper House old and Chipper House New Area). We have taken all care to adopt latest pollution control measures at different areas for dust suppression.
v	Proper housekeeping and cleanliness must be maintained within and outside the plant.	Noted
vi	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 (daytime) and 70 dBA (nighttime).	As per the requirements different noise control equipment have been adopted at different areas to keep the noise level below the prescribed standard and being monitored regularly. The last report of Noise level is submitted herewith as Anx – IX
vii	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially 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.	Our company has its own medical center, where apart from other treatment facilities; first aid facilities are available for all employees. Regular health checkup of all employees has been carried out and Individual health report of all employees is available.
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP and Public Hearing report.	This is noted and care is being taken.
ix	The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bhubaneswar / SPCB /CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies.	Being submitted regularly.


 Gen. Manager (EHS)

Sl. No.	General Condition	Status
x	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.	Construction work Completed.
xi	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.	Being done regularly
xii	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.	An Environment Cell has been already set up with 10 MCS (Staff & Officers) and is headed by General Manager (EHS).
xiii	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.	Always Separate fund is being allocated for implementation of environment pollution control measures.
xiv	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, RSPM, SO ₂ , NO _x (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.	Being followed.


Gen. Manager (EHS)

Sl. No.	General Condition	Status
xv	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 done on regular basis.
xvi	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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by e-mail.	The environmental statement in Form-V for the financial year 2021 – 22 is already submitted in your office vide our letter no. JKPW/CTS/08.04D/66, Dt. 21.09.22. Also, it is uploaded in our website.
xvii	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.	Already this has been advertised in two newspapers (The New Indian Express (English) & The Sambad (Oriya), on 06.05.11 & 05.05.11 respectively)



Gen. Manager (EHS)

10	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
11	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
12	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Noted

Thanking you.

Yours faithfully,
For J K Paper Limited



Executive Vice President (Works)



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CIN-L21010GJ1960PLC018099

Half Yearly Environment Clearance Compliance Report

Name of the Project: J. K. Paper Mills

Clearance Letter No. J-11011/172/2010-IA-II(I), Dated 10th May 2013

Period of Compliance Report: April 2022 – September 2022

Sl. No.	Specific Condition	Status
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5.	The company shall install Oxygen Delignification (ODL) Plant and maintain AOx below 1 kg/tonne of paper production.	We have already adopted two stage oxygen delignification processes in our new pulping process and the AOx level at our treated effluent is between 0.09 - 0.13 kg/ton of paper production. The AOx content in treated and untreated effluent being tested through Central Pulp and Paper Research Center, Saharanpur.
6.	Elemental Chlorine Free (ECF) technology shall be used and lime kiln should be installed to manage lime sludge.	We are not using chlorine in our bleaching process. We have one Lime kiln plant having capacity 300 MT/day for lime sludge management.
7.	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.	Since long, we are monitoring ground water quality twice a year at three places around the factory and the reports are being submitted regularly to your office. The recent analysis report is enclosed in the Annexure - V. With respect to ground water level, we are capturing the month wise data since Oct'11 with the help of a level indicator from bore well. The month wise ground water level data is as under (From April' 22 – September' 22).

Month	April -22	May -21	June -21	July -22	Aug -22	Sept - 22
Ground water level in (m)	21.3	21.4	21.1	20.7	19.8	19.2

Sl. No.	Specific Condition	Status
8.	The Ash generated from the plant shall be disposed of in accordance with the provisions of the Fly Ash Notification, 2003 as amended in 2009.	In our present fly ash management system, we are utilizing 100% generated fly ash for manufacturing of bricks. Every month we are sending statement to your office. The statements for last year (April 2020 – March 2021) is already submitted to your office vide our letter no. JKPW/CTS/08.04A/09, dt.25.04.2022.


Gen. Manager (EHS)

Sl. No.	Specific Condition	Status
9.	The project authority shall dispose of hazardous waste as per the provision of Hazardous Wastes (Management Handling and Transboundary Movement) Rules, 2008.	We have obtained Hazardous waste Authorization from Odisha State Pollution Control Board vide letter no. IND-IV-HW-03/20905, dt. 28.12.2021 and the authorization is valid up to 31.03.2023. All the Hazardous waste is being disposed off as per the guidelines.
10.	The company should develop green belt in 33% of the total land all along the boundary wall as per the CPCB guidelines to mitigate the effect of fugitive emissions.	At present, from our total area, 41.11% have been covered with green belt. In addition to that, we are planning to develop more green belt in future.
11.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	As per Factory Rule 62-1 in form 31-A, we are conducting Occupational Health Checkup annually for all permanent employees as well as contractor employees and records are being maintained. Details of Occupational health checkup for all employees for the year 2021-22 is given below for your reference.

Summary of Health Check Up for the Year - 2022

Sl. No	Description	Total No of employees to be covered	Retired, Resign, Death	Actual manpower	Actual Done	Balance to be done	Percentage calculation
1	Annual Medical Checkup	1166	58	1108	1106	2	99.82
2	Eye Checkup (General and Colour Blindness)	518	0	518	472	46	91.12
3	Health Checkup of the Food Handlers (Guest House & Canteen Staff)	29	0	29	29	0	100
4	Chest 'X"Ray	344	0	344	314	30	91.28
5	Audiometry Test	431	0	431	397	34	92.11
6	Vertigo	159	0	159	146	13	91.82

Sl. No.	Specific Condition	Status
12.	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Suitable fire hydrant system is in place for throughout the plant. About 408 Fire Hydrants and 37 monitors has been installed at different location of plant as per the requirements


Gen. Manager (EHS)

Sl. No.	Specific Condition	Status
13.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the pulp and paper sector should be strictly implemented.	All the recommendations made in the Charter on CREP are being followed strictly and the last compliance report is submitted herewith as Anx - VI
14.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 22 nd December, 2010 should 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.	We have prepared action plan to implement all the commitments made to the public during the Public Hearing through our CSR activities. The status of commitments made during the Public Hearing is as under.

Sl. No.	Issue in Public hearing	Activity Proposed	Present Status
A.	Provision of OHT & water supply in Bada Chandili village	Construction of One Bore Well together with an Overhead Tank and a few distribution points	<ul style="list-style-type: none"> Completed in both villages <ul style="list-style-type: none"> Badachandili OHT was completed in FY;2011-12 Sanochandili OHT was completed in FY;2011-12 <p>(Along with the above we are planning to install borewell / hand pump for drinking water provision in other nearby villages during FY 2022-23)</p> <ul style="list-style-type: none"> Cleaning and maintenance is taken up by us in regular interval as and when required.
B.	Start ITI / Training	Support 10 SC / ST Students from the vicinity to pursue ITI course	<ul style="list-style-type: none"> Provided financial support to 01 student pursuing Engineering (B TECH) from Sanochandili village. Note: - Apart from the above we shortlisted 12 students for JK Meritorious Scholarship during this FY 2022-23.
		Government of Odisha has approved an ITI at Rayagada and the same is under construction. JKPM is proposing to take over the said ITI once it is completed and shall convert it into a Centre of Excellence and run the same under Central Govt. Scheme.	<ul style="list-style-type: none"> Gopabandhu Park was renovated and maintained by us in a regular manner. Note: Apart from this JKPM-CSR has taken initiatives to support Chandili GP for cleaning of Market area since last five years.


Gen. Manager (EHS)

C.	Gopanbandhu Park situated at Jaykaypur, approach road to nearby villages are not well developed.	As a part of road widening initiative taken up by the State Government, the park which is situated at the centre of the road is going to be relocated. Maintenance of the park shall be resumed once the said relocation of the park takes place. Approach roads to nearby villages are being developed to and from Rayagada by Government through World Bank Funding.	<ul style="list-style-type: none"> • Proper Black top road has been widened to the nearby villages. • Gopabandhu Park has been renovated and regular maintenance of the park & taken care of it.
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Sl. No.	Specific Condition	Status
15.	At least 5 % of the total cost of the project shall be earmarked towards the enterprise social commitment based on Public Hearing & social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	Please refer to our Annexure – VII for detailed proposal and expenditure on CSR.
16.	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, mobile STP, 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.	Our project already completed and commissioned, and all temporary structures have been removed.

Sl. No.	General Condition	Status
i	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board and the State Government.	Noted and being adhered to.
ii	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.	Noted
iii	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 UPPCB and report submitted to the OPCB quarterly and to the Ministry's Regional Office at Bhubaneswar half-yearly.	Ambient air quality and stack emissions are being monitored regularly and report submitted to the OPCB monthly and to the Ministry's Regional Office at Bhubaneswar half-yearly. Three online ambient air quality monitoring station has been installed and real time data is being transmitted to Odisha State Pollution Control Board. The last report of Ambient Air Quality is submitted herewith as Anx – VIII


 Gen. Manager (EHS)

Sl. No.	General Condition	Status
iv	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 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.	Full proof pollution control technologies have been already adopted at all the dust prone areas and fugitive emissions and the same being monitored regularly. The fugitive emissions data is being collected at 5 different places (Areas: Coal Handling area, Fly ash transportation area, Lime handling area, Chipper House old and Chipper House New Area). We have taken all care to adopt latest pollution control measures at different areas for dust suppression.
v	Proper housekeeping and cleanliness must be maintained within and outside the plant.	Noted
vi	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 (daytime) and 70 dBA (nighttime).	As per the requirements different noise control equipment have been adopted at different areas to keep the noise level below the prescribed standard and being monitored regularly. The last report of Noise level is submitted herewith as Anx – IX
vii	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially 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.	Our company has its own medical center, where apart from other treatment facilities; first aid facilities are available for all employees. Regular health checkup of all employees has been carried out and Individual health report of all employees is available.
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP and Public Hearing report.	This is noted and care is being taken.
ix	The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bhubaneswar / SPCB /CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies.	Being submitted regularly.
x	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.	Construction work Completed.
xi	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.	Being done regularly


Gen. Manager (EHS)

Sl. No.	General Condition	Status
xii	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.	An Environment Cell has been already set up with 10 MCS (Staff & Officers) and is headed by General Manager (EHS).
xiii	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.	Always Separate fund is being allocated for implementation of environment pollution control measures.
xiv	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, RSPM, SO ₂ , NO _x (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.	Being followed.
xv	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 done on regular basis.
xvi	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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	The environmental statement in Form-V for the financial year 2021 – 22 is already submitted in your office vide our letter no. JKPW/CTS/08.04D/66, Dt. 21.09.22. Also, it is uploaded in our website.


 Gen. Manager (EHS)

Sl. No.	General Condition	Status
xvii	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.	Already this has been advertised in two newspapers (The New Indian Express (English) & The Sambad (Oriya), on 06.05.11 & 05.05.11 respectively)

10	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
11	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
12	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Noted

Thanking you.

Yours faithfully,

For J K Paper Limited



Executive Vice President (Works)



Works : J.K. Paper Mills. Ph : 91-6856-233770/233550/234077. Fax: 91-6856-234078
E-mail: jkpaper@jkpm.jkmail.com

Regd. Office : P.O. Central Pulp Mills. Fort Songadh, Distt. Tapi (Guj.)-394660. Ph: 91-2624-220228/220278-80.
Fax: 91-2624-220138 Cable: Cenpulp. E-mail: cpm@cpmjk.jkmail.com

Admn. Office : Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi-110002. Ph: 91-11-33001112/23311112-5.
Fax: 91-11-23712680. Website: www.jkpaper.com

CIN-L21010GJ1960PLC018099

Half Yearly Environment Clearance Compliance Report

Name of the Project: J. K. Paper Mills

Clearance Letter No. J-11011/172/2010-IA-II(I), Dated 18th June 2018

Period of Compliance Report: April 2022 – September 2022

Sl. No.	Specific Condition	Status
1.	Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Government should be ensured and regular reports submitted to the Ministry and its Regional Office at Bhubaneswar	<p>We have obtained Environmental Clearance letter from MoEF cc, New Delhi vide letter no. J-11011/172/2010-IA-II(I), Dated 20th April 2011 and amended Clearance vide letter no. J-11011/172/2010-IA-II(I), Dated 10th May 2013 and letter no. J-11011/172/2010-IA-II(I), Dated 18th June 2018.</p> <p>Obtained Consent to Operate for Air and Water from Odisha State Pollution Control Board vide order no. 5332/IND-I-CON-41, dt. 27.03.2021 and valid up to 31.03.2023.</p> <p>All compliance reports related to specific and general conditions stipulated for the existing plant by the Central/State Government is being regularly submitted to the Ministry and its Regional Office at Bhubaneswar.</p>
2.	The project authority shall install ESP to CFBC boilers to achieve the particulate emission below 50 mg/Nm ³ . The emissions from chemical recovery section shall be controlled through primary and secondary ventury scrubbers. To scrub the vent gases, scrubber shall be installed in the pulping and bleaching section. Lime scrubbing shall be done to mitigate SO ₂ emissions and Low NO _x burners shall be installed.	<p>In our new CFBC boiler with the latest design of our ESP, we are able to achieve the particulate emission below 50 mg/Nm³.</p> <p>In chemical recovery boiler, we have adopted bigger size economizer with high efficient ESP instead of primary and secondary ventury scrubber, to control emissions.</p> <p>We have adopted bleach scrubber in bleaching section by using caustic solution which is more effective than lime.</p> <p>Stack emissions are being monitored through on-line monitoring system as well as using manual stack-monitoring devices. The monitoring results of Stack for Coal fired Boiler and liquor Fired Boiler from April'22 to September'22 is given below. We are monitoring the different parameters of all stacks by third party once in 3 months. The last test report of Coal fired Boiler and Liquor Fired Boiler is attached as Anx - I</p>

Monitoring results of Coal Fired Boiler										
Period	Sampling locations	PM			SO ₂			NO ₂		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
Aprl'22 – Sept'22	Coal Fired Boiler	35.82	29.74	33.03	182.3	164.32	173.65	172.8	139.27	159.77



Gen. Manager (EHS)

Monitoring results of Liquor Fired Boiler													
Period	Sampling locations	PM			H ₂ S			SO ₂			NO ₂		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
Aprl'22 – Sept'22	Liquor Fired Boiler	40.34	29.61	35.67	6.91	5.22	6.09	182.4	128.57	152.72	189.24	155.36	171.75

Sl. No.	Specific Condition	Status
3.	The total water requirement after expansion shall not exceed 40,000 KLD. The industry should ensure the compliance of the standards for discharge of the treated effluent from the unit as stipulated under the EPA rules or SPCB whichever is more stringent. The company shall make efforts to limit the water consumption up to 75 m ³ /ton of product. Adequate steps including use of modern RO/UF based technologies should be used to increase recycling and reduce water consumption. The wastewater shall be discharged only after meeting the CPCB norms. Efforts shall be made to achieve 10 Kappa by using H ₂ O ₂ . The Company shall harvest the rainwater to recharge the ground water.	<p>Our freshwater consumption is well within 40,000 M³/day.</p> <p>Our specific water consumption is getting reduced significantly by implementing different water saving schemes year by year. Last year water consumption is 28.48 M³ (Aprl'22 to September'22) per ton of paper. The detail data is given in the graph Anx-II.</p> <p>Two stage oxygen delignification processes have been adopted at Pulp mill to control 10 kappa. Presently the rainwater is going to recharge wells.</p>
4.	Adequate number of influent and effluent quality monitoring stations should be set up in consultation with the State Pollution Control Board and regular monitoring should 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, SPCB and CPCB.	Influent and effluent monitoring stations are set up in consultation with the SPCB. pH, BOD, COD, TSS is being closely monitored regularly to maintain the effluent treatment efficiency. Moreover, all the above parameters are being monitored through on-line monitoring system and the real time data is being transmitted to CPCB and OSPCB. The AOx content in treated and untreated effluent being tested through Central Pulp and Paper Research Center, Saharanpur. The test results of pH, BOD, COD, TSS are being sent to SPCB on monthly basis. We have also tested the different parameters of Treated and untreated effluent, Upstream and Downstream of River Nagavali from Vimta Lab, Hyderabad and the monitoring data are attached in Annexure – III, IV respectively.



Gen. Manager (EHS)

Stage wise Effluent Monitoring Data

Period	Monitoring station	pH			SS (mg/l)			COD (mg/l)			BOD (mg/l)			AOx (mg/l)	
		Max	Min	Avg	Max	Min	Max	Min	Avg	Max	Min	Max	Min	Avg	
Aprl'22 - Sept'22	Inlet to ET Plant	8.0	6.6	7.2	1305	931	1114	1386	987	1181	360.0	275.2	315	8.05	
	Primary clarifier overflow	8.1	6.5	7.2	148	113	131.8	686	500	576	271.1	134	184.8	--	
	Activated sludge basin overflow	8.2	6.8	7.3	2965	2561	2770	--	--	--	--	--	--	--	
	Secondary clarifier overflow	8.2	6.8	7.3	34	16	21.9	192	123	164.1	19.2	7.8	15.5	4.06	

Sl. No.	Specific Condition	Status
5.	The company shall install Oxygen Delignification (ODL) Plant and maintain AOx below 1 kg/tonne of paper production.	We have already adopted two stage oxygen delignification processes in our new pulping process and the AOx level at our treated effluent is between 0.09 - 0.13 kg/ton of paper production. The AOx content in treated and untreated effluent being tested through Central Pulp and Paper Research Center, Saharanpur.
6.	Elemental Chlorine Free (ECF) technology shall be used and lime kiln should be installed to manage lime sludge.	We are not using chlorine in our bleaching process. We have one Lime kiln plant having capacity 300 MT/day for lime sludge management.
7.	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.	Since long, we are monitoring ground water quality twice a year at three places around the factory and the reports are being submitted regularly to your office. The recent analysis report is enclosed in the Annexure - VI. With respect to ground water level, we are capturing the month wise data since Oct'11 with the help of a level indicator from bore well. The month wise ground water level data is as under (From April' 22 - September' 22).

Month	Aprl -22	May -21	June -21	July -22	Aug -22	Sept - 22
Ground water level in (m)	21.3	21.4	21.1	20.7	19.8	19.2



Gen. Manager (EHS)

Sl. No.	Specific Condition	Status
8.	The Ash generated from the plant shall be disposed of in accordance with the provisions of the Fly Ash Notification, 2003 as amended in 2009.	In our present fly ash management system, we are utilizing 100% generated fly ash for manufacturing of bricks. Every month we are sending statement to your office. The statements for last year (April 2021 – March 2022) is already submitted to your office vide our letter no. JKPW/CTS/08.04A/09, dt.25.04.2022.
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10.	The company should develop green belt in 33% of the total land all along the boundary wall as per the CPCB guidelines to mitigate the effect of fugitive emissions.	At present, from our total area, 41.11% have been covered with green belt. In addition to that, we are planning to develop more green belt in future.
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Gen. Manager (EHS)

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13.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the pulp and paper sector should be strictly implemented.	All the recommendations made in the Charter on CREP are being followed strictly and the last compliance report is submitted herewith as Anx - VI
14.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 22 nd December, 2010 should 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.	We have prepared action plan to implement all the commitments made to the public during the Public Hearing through our CSR activities. The status of commitments made during the Public Hearing is as under.

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A.	Provision of OHT & water supply in Bada Chandili village	Construction of One Bore Well together with an Overhead Tank and a few distribution points	<ul style="list-style-type: none"> Completed in both villages <ul style="list-style-type: none"> - Badachandili OHT was completed in FY;2011-12 - Sanochandili OHT was completed in FY;2011-12 <p>(Along with the above we are planning to install borewell / hand pump for drinking water provision in other nearby villages during FY 2022-23)</p> <ul style="list-style-type: none"> Cleaning and maintenance is taken up by us in regular interval as and when required.
B.	Start ITI / Training	Support 10 SC / ST Students from the vicinity to pursue ITI course	<ul style="list-style-type: none"> Provided financial support to 01 student pursuing Engineering (B. TECH) from Sanochandili village. <p>Note: - Apart from the above we shortlisted 12 students for JK Meritorious Scholarship during this FY 2022-23.</p>
		Government of Odisha has approved an ITI at Rayagada and the same is under construction. JKPM is proposing to take over the said ITI once it is completed and shall convert it into a Centre of Excellence and run the same under Central Govt. Scheme.	<ul style="list-style-type: none"> JKPM has signed an agreement with the said ITI for taking in adequate nos. of apprentices.


Gen. Manager (EHS)

Sl. No.	Issue in Public hearing	Activity Proposed	Present Status
C.	Gopanbandhu Park situated at Jaykaypur, approach road to nearby villages are not well developed.	As a part of road widening initiative taken up by the State Government, the park which is situated at the centre of the road is going to be relocated. Maintenance of the park shall be resumed once the said relocation of the park takes place. Approach roads to nearby villages are being developed to and from Rayagada by Government through World Bank Funding.	<ul style="list-style-type: none"> Gopabandhu Park was renovated and maintained by us in a regular manner. Note: Apart from this JKPM-CSR has taken initiatives to support Chandili GP for cleaning of Market area since last five years.

Sl. No.	Specific Condition	Status
15.	At least 5 % of the total cost of the project shall be earmarked towards the enterprise social commitment based on Public Hearing & social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	Please refer to our Annexure – VII for detailed proposal and expenditure on CSR.
16.	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, mobile STP, 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.	Our project already completed and commissioned, and all temporary structures have been removed.
17.	Increase the number of Rainwater harvesting pits from 8 nos. to 12 nos.	We have made 16 nos. Rainwater harvesting pits.
18.	5% increase in green belt plantation within project boundary i.e from the current 45% to 50% of project area.	At present, from our total project area, 41.11% have been covered with green belt. In addition to that, we are planning to develop more green belt in future.
19.	Installation of advanced ESP controllers to improve the efficiency of all ESPs.	We have total 18 fields and we have provided advance ESP controllers in all fields.
20.	Solar lighting for all streets and parking area in colony.	A part of our colony streets and parking area has been converted to Solar light (about 20 lights) and the remaining will be converted in phase manner.
21.	Combustion of secondary sludge in recovery boiler, thus, eliminating requirement for disposal on land.	Received approval from Central Pollution Control Board, New Delhi and Odisha State Pollution Control Board for Combustion of secondary sludge in recovery boiler.


Gen. Manager (EHS)

Sl. No.	General Condition	Status
i	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board and the State Government.	Noted and being adhered to.
ii	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.	Noted
iii	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 UPPCB and report submitted to the OPCB quarterly and to the Ministry's Regional Office at Bhubaneswar half-yearly.	Ambient air quality and stack emissions are being monitored regularly and report submitted to the OPCB monthly and to the Ministry's Regional Office at Bhubaneswar half-yearly. Three online ambient air quality monitoring station has been installed and real time data is being transmitted to Odisha State Pollution Control Board. The last report of Ambient Air Quality is submitted herewith as Anx – VIII
iv	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 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.	Full proof pollution control technologies have been already adopted at all the dust prone areas and fugitive emissions and the same being monitored regularly. The fugitive emissions data is being collected at 5 different places (Areas: Coal Handling area, Fly ash transportation area, Lime handling area, Chipper House old and Chipper House New Area). We have taken all care to adopt latest pollution control measures at different areas for dust suppression.
v	Proper housekeeping and cleanliness must be maintained within and outside the plant.	Noted
vi	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 (daytime) and 70 dBA (nighttime).	As per the requirements different noise control equipments have been adopted at different areas to keep the noise level below the prescribed standard and being monitored regularly. The Noise last report is submitted herewith as Anx – IX
vii	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially 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.	Our company has its own medical center, where apart from other treatment facilities; first aid facilities are available for all employees. Regular health checkup of all employees has been carried out and Individual health report of all employees is available.


 Gen. Manager (EHS)

Sl. No.	General Condition	Status
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP and Public Hearing report.	This is noted and care is being taken.
ix	The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bhubaneswar / SPCB /CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies.	Being submitted regularly.
x	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.	Construction work Completed.
xi	The project proponent shall have a scheme for social up-liftment 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.	Being done regularly
xii	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.	An Environment Cell has been already set up with 10 MCS (Staff & Officers) and is headed by General Manager (EHS).
xiii	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.	Always Separate fund is being allocated for implementation of environment pollution control measures.
xiv	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; RSPM, SO ₂ , NO _x (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.	Being followed.
xv	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 done on regular basis.


Gen. Manager (EHS)

Sl. No.	General Condition	Status
xvi	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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	The environmental statement in Form-V for the financial year 2021 – 22 is already submitted in your office vide our letter no. JKPW/CTS/ 08.04D/66, Dt. 21.09.22. Also, it is uploaded in our website.
xvii	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.	Already this has been advertised in two newspapers (The New Indian Express (English) & The Sambad (Oriya), on 06.05.11 & 05.05.11 respectively)
10	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
11	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
12	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Noted

Thanking you.

Yours faithfully,

For J K Paper Limited



Executive Vice President (Works)



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