

By email

Ref /Env/04-24/23359

Dated: 20<sup>th</sup> April, 2024

To,

The Deputy Director

Ministry of Environment, Forests & Climate Change

Northern Regional Office,

Bays No. 24 & 25, Sector 31- A

Chandigarh -160030

**Subject: Six Monthly Compliance & Monitoring Report**

Dear Sir

Please find the enclosed herewith the six monthly compliance & monitoring report for your kind perusal.

Kindly acknowledge the receipt.

Thanking You,

Yours Faithfully,

For Kuantum Papers Ltd.



Sanjay Kumar  
KHURDA

Sr. General Manager  
(Process QC & Environment)

**Ministry of Environment, Forests & Climate Change**  
**Northern Regional Office,**  
**Chandigarh - 160030**  
**MONITORING REPORT**  
**PART - I**  
**DATA SHEET**

1.	Project Type	Pulp and Paper Industry
2.	Name of the Project	Up gradation & Modernization in Agro Pulping capacity 165 TPD Bleached Pulp and expansion in hard wood pulping capacity (from 60 to 200 TPD Bleached pulp) conventional Chemical Recovery Plant (from 230 to 580 TPD of Black Liquor Solids) & Co-generation Plant (from 17.5 to 28 MW) at village Saila Khurd, Tehsil Garhshanker, Dist. Hoshiarpur, Punjab by M/S Kwantum Papers Ltd. (Formerly known as M/S ABC Papers Ltd.)
3.	(a) Clearance letter (s)/O.M. No. & dates	J-11011/344/2008-IA.II (I) dated 14.06.2017
	(b) Consent to operate Certificate No.  Date of Issue Date of Expiry	CTOW/Renewal/HSP/2023/2097717 8 16/03/2023 15/03/2027 CTOA/Renewal/HSP/2023/22903775 14/08/2023 31/03/2027
4.	Location  a) Tehsil b) District (s) c) State (s) d) Latitudes / Longitudes	Garhshanker Hoshiarpur Punjab
5.	Address for correspondence a) Address of Concerned Project Chief Engineer (with Pin Code/Tel No./Telex/Fax No./E-mail address) b) Address of Executive Project Engineer/Manager (with Pin Code/Tel No./ Telex/Fax No./E-mail address)	Kwantum Papers Ltd., Village - Saila Khurd, Tehsil - Garhshanker, Distt. - Hoshiarpur, Punjab
6.	Salient Features (a) Of the project  (b) Of the environmental management plans	The paper manufacturing industry is based on wood and straw pulp having recovery plants for utilization of Black Liquor. The online monitoring system has been installed.
7.	Product/Process/Activity Details	Paper Pulp and Bleached Paper



8.	Production Capacity	450 TPD
9.	Break-up of project affected population	Nil
10.	Financial Details: (As reported by PP) a) Project cost as originally planned and subsequent revised estimates and the year of price reference b) Allocations made for environmental management plans with item wise and year wise break up c) Benefit cost ratio/internal rate of return and the year of assessment d) Whether © includes the cost of environmental management as shown in b) above e) Actual expenditure incurred on the project f) Actual expenditure incurred on the environmental management plans so far	a) 444 Crores & no revised b) 30 Crores c) ROI Chart Enclosed d) Separate e) 444 Crores f) 21.35 Crores
11.	Forest land requirement:	NA
12.	The status of clear felling in non-forest areas	NA
13.	Status of construction:	
	a) Date of commencement (actual and/or planned) b) Of completion (actual and/or planned)	August-2018 25 <sup>th</sup> March 2021
14.	Reasons for the delay, if the project is yet to start	NA
15.	Details of correspondence with project Authorities for obtaining act on plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits. (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letter issued subsequently)	Yes



## PART - II

**Descriptive Report on status of compliance to conditions of Environmental Clearance issued vide letter no. J-11011/344/2008-IA.II (I) dated 14.06.2017**

A	Specific Conditions	
S. No.	Condition	Compliance
i	The project proponent shall carryout analysis of AOX both in soil and water samples collected from the irrigated area periodically (once in six months) and the report of same shall be submitted to Regional Office of MoEF & CC.	Complied. Analysis of Effluent & Soil samples are carried out from NABL Accredited Lab. The Report are as per the CREP Guidelines (i.e below 0.5 Kg per ton of Product.) Reports are attached as <b>Annexure - 1</b>
ii	The project proponent shall undertake every year, bio-accumulation study on the soils of surrounding agricultural fields with a view to ascertaining the build-up of toxic chemicals in these fields.	Complied. The company carries out Soil Analysis on regular intervals from NABL Accredited Lab & testing report reports are attached as <b>Annexure - 2 (a)</b> .  In addition to this, the company carries out Soil Analysis on regular intervals from "Krishi Vigyan Kendra", Hoshiarpur conducted by Punjab Agricultural University, Ludhiana. The Report as "Soil Health Card" is attached as <b>Annexure - 2 (b)</b> .
iii	Pet coke shall not be used in the CPP.	Agreed & Complied. Pet coke is not being used in the CPP Boiler.
iv	The cost of the proposed 1 km length pipeline for discharge of additional treated effluent to surrounding farmers shall not be part of proposed ESR funds	Agreed & Complied.
v	The PP shall develop green belt in 45% of total area of the plant as proposed. The additional 3% of the plantation area proposed as a part of expansion project shall be carried along the boundary of the project with local and broad-leaved species.	Agreed & Complied. The company has a well-developed Green Belt area expanded throughout the plant. The detail are as depicted in <b>Annexure - 3</b>
vi	The PP shall adopt at least one village surrounding the project and shall prepare a comprehensive plan for development of solid waste management; education; health; skill development; Biogas generation from the	Complied. The company is engaged with the continuous development of the villages around the factory encompassing the areas of Education, Rural Development, Environmental Protection &



	composting; solar lightening; LED lightening etc. as a part of ESR.	Health Care. The villages adopted are Saila Kalan, Saila Khurd & Gandowal. The summary of activities are as detailed in <b>Annexure - 4</b>
vii	The PP shall ensure the reduction in specific water and power consumption and increase in the recycling of the treated effluent to minimize the discharge.	Complied. <b>Annexure - 5</b>
viii	Black Liquor shall be separately processed for recovery of energy and chemical in Chemical Recovery Process.	Agreed & Complied. We have separate & dedicated Chemical Recovery Plant for the management of the Black Liquor. <b>Annexure - 6</b>
ix	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 re-started until the control measures are rectified and achieve the desired efficiency.	Complied, All Pollution Control equipment run continuously on power from Co-generation turbines. In addition, we have UPS to maintain the runability of Online monitoring equipments. For any emergency we are also connected with PSPCL grid power.
x	The project proponent should install 24x7 air and water monitoring devices to monitor air emission and effluent discharge and submit report to ministry and its Regional Office.	Complied, All air & water online monitoring devices are running continuously to monitor the stack emission & effluent discharge parameters. We submit the analysis reports to the Regional office on regular intervals. <b>Annexure - 7</b>
xi	Project proponent shall ensure that no black liquor spillage in the area of pulp mill, no use of elemental chlorine for bleaching in mill, installation of hypo preparation plant, no use of potcher washing and use of counter current or horizontal belt washers. The PP should ensure no spillage of foam in chemical recovery plant, no discharge of foul condensate generated from MEE directly to ETP in the chemical recovery process.	Complied.
xii	The manufacturing process shall be with spray drying falling filter evaporation of black liquor and no black liquor in the effluent.	Complied.
xiii	The project authority shall install multi cyclones, wet scrubbers to the boilers to achieve the particulate emission below 50 mg/Nm <sup>3</sup> . The emissions from chemical recovery section shall be controlled through primary and secondary venture scrubbers.	Complied. Stacks are equipped with ESP'S to Control the particulate emissions as per prescribed standards. Stack Emission Monitoring Reports are attached as <b>Annexure - 8</b>
xiv	In case of treatment process disturbances / failure of pollution control equipment adopted by the unit, the respective unit shall be shut	Agreed & Complied.



	down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	
xv	The industry shall ensure the compliance of the standards for discharge of the treated effluent from the unit as stipulated under the EP Rules or SPCB whichever is more stringent. Adequate steps including use of modern RO/UF based technologies shall be used to increase recycling and reduce water consumption.	Being Complied.  Introduced HRSCC Clarifier to enhance recycled water & reduction in water consumption.  <b>Annexure - 8 a</b>
xvi	Ground water quality study in and around the project area shall be conducted every 6 months and report submitted to Ministry's Regional Office, SPCB and CPCB.	Ground water quality in and around the company is being tested by NABL Accredited laboratory and reports are submitted to PPCB & same is attached <b>Annexure - 9</b>
xvii	The project authority disposes of hazardous waste as per the provision of Hazardous Wastes and Other Waste (Management and Transboundary Movement) Rules, 2016	Complied. The company dispose of its waste as per the provision of Hazardous Wastes and Other Waste (Management and Transboundary Movement) Rules, 2016. We have a membership of TSDF for the timely disposal of the waste.
xviii	The company shall develop green belt in 33% of the total land as per the CPCB guidelines to mitigate the effect of fugitive emissions.	Complied. <b>Annexure - 10</b>
xix	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Attached as <b>Annexure - 11</b>
xx	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	We have network of 108 Fire Hydrant, 626 Fire Extinguishers & 2 Fire Tenders. Complied. <b>Annexure - 12</b>
xxi	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the pulp and paper sector shall be strictly implemented.	Company is Complying in accordance to CREP guidelines.
xxii	All the commitments made to the public during the Public Hearing/Public Consultation meeting shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office.	Complied.



xxiii	Provisions 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.	Complied.
xxiv	At least 2.5% of the total cost of the project shall be earmarked towards the enterprise social commitment based on public hearing issues, local need and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured by constituting Committee comprising of the proponent, representative of village Panchayat and district administration action taken report in this regard shall be submitted to the Ministry's Regional Office.	Being Complied. The company has a dedicated fund for the activities of ESC. The details are as described in <b>Annexure-13a</b>



xxv	<p>The proponent shall prepare a detail CSR Plan for every year for the next 5 years for the existing – cum – expansion project, which includes village wise, sector wise (Health, Education, Sanitation, Health Skill Development and infrastructure requirement such as strengthening of village roads, avenue plantation, etc.) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in clause 135 of the Company Act, 2013 which provides for 2% of the average net profit of previous 3 years towards CSR Activities for life of the project. A separate budget head shall be created and the annual capital and life of the project. A separate project head shall be created and the annual capital and revenue expenditure on various activities of the plan shall be submitted as part of the revenue expenditure on various activities of the plan shall be submitted as part of compliance report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the annual report of the company. The plan so prepared shall be based on SMART (Specific, Measurable, Achievable, Relevant and time bound) concept. The expenditure should be aimed at sustainable development and direct free distribution and temporary relief should not be included.</p>	<p>Complied.</p> <p>The company has a detailed CSR plan as per clause 135 of the Company Act, 2013 under which we cover activities in the area of Healthcare, Education, Sanitation, Health Skill Development and Infrastructure such as roads, avenue plantation, etc. The details of the same is being published in the Annual Report of the company every year. The summary of expenditures on these activities of last few years are as described in <b>Annexure-13 b</b>.</p>
xxvi	<p>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 TP, safe drinking water, health care, crèche etc. The housing may be in the form of the temporary structures to be removed after the completion of the project.</p>	<p>Complied.</p>





<b>B General Conditions</b>		
<b>S. No.</b>	<b>Condition</b>	<b>Compliance</b>
i	The project authorities must strictly adhere to the stipulations made by the concerned SPCB and the State Government.	Complied.
ii	No further expansions or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest & Climate Change.	Agreed & complied.
iii	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM-10, PM-2.5, SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Chennai & the SPCB/CPCB once in 6 months.	Four Ambient station established & Monitored regularly by NABL accredited Lab. Test reports are enclosed The locations are – 1. The factory boundary wall near Jassowal village. 2. Boiler No – 5 near coal feeding point, 3. Pulp mill – near wood chip feeding point & 4. Factory gate near a petrol pump. <b>Annexure - 8 &amp; 14</b>
iv	Industrial waste water shall be properly collected, treated to conform to the standards prescribed under GSR (E) dated 19.05.1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	Complied. We have full fledge Effluent Treatment Plant Consisting of an Equalization Tank, Primary Clarifier, Mega Cell, Bio Clarifier, UASB Reactor, T.Settlers (5 nos), Aeration Tank (3 Nos), Secondary Clarifier & Tertiary Clarifier. <b>Annexure- 14 a</b>
v	The overall noise levels in and around the plant area shall be kept well within the standards [85dB(A) ] by the providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of the noise generation. The ambient noise levels should conform to the standards prescribed under EPA rules, 1989 viz. 75 dB (A) during day time and 70 dB(A) during night time.	Complied The company conducts Ambient Noise Level Monitoring in & around the company premises. The reports Attached as <b>Annexure- 15</b>
vi	Occupational health surveillance of the workers shall be done on a regular basis and reports maintained as per Factories Act.	Complied. The company has a well-furnished Occupational health center on its premises. We conduct Occupational health surveillance of the workers on a regular basis. The department-wise health records of the workers are attached herewith as <b>Annexure - 11</b>
vii	The company shall develop rainwater harvesting structures to harvest the rainwater throughout utilization in the lean season besides recharging the ground water table.	Complied. The company has four numbers of Rainwater Harvesting Pits at different locations on its premises. The location along with its pictures are as described in <b>Annexure - 16</b>



viii	The project proponent shall also comply with all environmental protection measures and safeguards recommended in the EIA/EMP report, further the company must undertake socio-economic development activities in the surrounding villages like communities development programs, educational programs, drinking water supply and health care etc.	Complied. <b>Annexure – 13</b>
ix	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the MoEF & CC as well as State Government. An implementation schedule for implementing all the conditions stipulated here in shall be submitted to the concerned Regional Office of the Ministry. The funds so provided shall not be diverted for any other purpose.	Complied.
x	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla parishad / Municipal corporation, Urban local body and the local NGO, if any from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied.
xi	The project proponent shall upload the status of the compliance of the stipulated environment clearance conditions, including results of monitored data on the website and shall update the same periodically. It shall simultaneously be sent to the concerned Regional Office of the MoEF & CC. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely PM-10, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial 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.	Complied. <b>Annexure - 14 &amp; 17</b>
xii	The project proponent shall also submit 6 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 email ) to the Regional Office of the MoEF & CC, the respective Zonal Office of CPCB and the SPCB. The Regional office of this Ministry at Chandigarh/CPCB/SPCB shall monitor the	The company submit the Six Monthly Compliance report (both in hard copies as well as by email ) to the Regional Office of the MoEF & CC on regular intervals. The last compliance report was submitted as on 11/10/2023 vide Ref. No - Envvt/10-23/23144. The copy of the Letter is attached as <b>Annexure - 18</b>



	stipulated conditions.	
xiii	The environmental statement for financial year ending 31 <sup>st</sup> March in form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the environment (Protection) rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of the compliance of the environmental conditions and shall also be sent to the respective Regional Office of the MoEF & CC by email.	The environmental statement “Form – V” is being submitted every year at the end of the financial year ending 31 <sup>st</sup> March. The latest filled Form-V on dated 31/05/2023 Vide Reference No. Admn /05-23/22832A, is attached herewith as <b>Annexure - 19</b>
xiv	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 website of MoEF & CC at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within 7 days from the date of issue of the clearance letter, at least in 2 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 should be forwarded to the concerned Regional Office.	Complied
xv	Project authorities shall inform the Regional Office as well as the Ministry, the date of Financial Closure and the final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied
xvi	The Industry shall make & maintain the water sprinkling system provided for suppression of dust due to vehicle movement in coal handling plant etc. The industry maintain arrangements to avoid flow of fuel ash with sprinkling of water etc.	Complied We have adequate arrangements for the control of particulate or dust pollutants in various sections of our company. It includes Bag filters, curtains, ESPs, and water sprinkling arrangements as depicted in <b>Annexures - 20 &amp; 20 (a)</b>
xvii	The Industry shall get the ground water samples analyzed regularly & submit report to the Board.	Complied The ground water samples in and around the factory premises are regularly analyzed by NABL accredited laboratory & submitted to the Board. <b>Annexure - 9 &amp; 21</b>



xviii	The industry shall provide proper coverage over the rice husk storage to avoid the flow of rice husk in the nearby vicinities.	Complied We have a covered area for the storage of the rice husk in our company. <b>Annexure - 22</b>
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**Remarks:**

Last "Six Monthly Compliance Report" submitted on dated 11.10.2023 vide Letter **Ref No. - Evt/10-23/23144**. Copy of aforesaid report is attached herewith as Annexure-18 above.

