



**File No: J-11011/344/2008-IA.II(I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**  
**\*\*\***



Date **30/11/2025**



To,

M/s. KUANTUM PAPERS LIMITED  
Village-Saila Khurd Tehsil- Garhshankar  
Saila Khurd , HOSHIARPUR, PUNJAB, 144529  
Email: kuantumenvironment@kuantumpapers.com

**Subject: Proposed 20% expansion in the agro pulp and hard wood pulp production along with associated facilities in the existing paper mill by M/s Kuantum Papers Limited, located at Village: Saila Khurd, Tehsil: Garhshankar, District: Hoshiarpur, Punjab- Grant of EC under the provisions of para 7(ii) of EIA Notification, 2006-Reg.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/PB/IND1/530448/2025 dated 14/08/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A2701PB5991817N
(ii) File No.	J-11011/344/2008-IA.II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(i) Pulp & Paper Industry
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Proposed 20% expansion in the agro pulp and hard wood pulp production along with associated facilities in the existing paper mill at Village: Saila Khurd, Tehsil: Garhshankar, District: Hoshiarpur, Punjab by Kuantum Papers Limited
(viii) Name of Company/Organization	KUANTUM PAPERS LIMITED
(ix) Location of Project (District, State)	HOSHIARPUR, PUNJAB
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at S. No. 5(i), (Pulp & paper industry excluding manufacturing of paper from wastepaper and manufacture of paper from ready pulp without bleaching) under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.
4. The instant proposal was considered in 11th Meeting (EAC Industry-I)-10th September, 2025 wherein the Committee after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The EAC proceedings of the said meeting can be seen using the following web link: at <https://parivesh.nic.in>.
5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.
6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.
7. The EAC, in its 11<sup>th</sup> EAC Meeting held during 10<sup>th</sup> September, 2025, inter-alia, deliberated the following:
- The instant proposal is for enhancement of production of agro pulp from 60,225 to 72,270 TPA, hard wood pulp from 73,000 to 87,600 TPA and expanding in all types of paper manufacturing instead of existing writing & printing papers only along with other associate facilities under the provisions of para 7(ii) of EIA Notification, 2006 [OM dated 11.04.2022].
  - The EAC deliberated on the justification provided by the Project Proponent for appraisal of instant proposal under para 7(ii) of EIA Notification, 2006 in pursuance to the Ministry’s O.M. dated 11.04.2022 and found it satisfactory. Further, since PP has proposed expansion for 20% respect to earlier Environmental Clearance and considering the provisions mentioned in the O.M. dated 11.04.2022, the EAC agreed to apprise the proposal for said expansion in the instant case.**
  - The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
  - The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
  - The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
  - The EAC reviewed the compliance statement submitted by the project proponent regarding the applicability of criteria specified under ‘Clause -9, Chapter 3 – Criteria For Establishment Of Industrial Plant’ of the G.S.R 85(E) dated 30th January, 2025, MoEF&CC’s Office Memorandums and Notifications to their proposal which include aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
  - The existing project was accorded environmental clearance vide lr.no. J-11011/344/2008-IA.II(I) dated 14/06/2017 for upgradation and modernisation in Agro Pulping capacity 165 TPD Bleached Pulp paper 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). Consent to Operate for the existing unit was accorded by Punjab State Pollution Control Board (PPCB) under Air Act-1981 vide Certificate No. CTOA/Renewal/HSP/2023/22903775 Date of Issue: 14/08/2023, Date of Expiry: 31/03/2027, under Water Act-1974 vide Certificate No. CTOW/Renewal/HSP/2023/20977178, Date of Issue: 16/03/2023, Date of Expiry: 15/03/2027 & Authorization under Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 vide authorization number HWM/renew/HSP/2023/21205661 date of Issue: 10/04/2023, Date of Expiry: 09/04/2028. Additionally, unit has also obtained the NIPL Certificate from PPCB for manufacturing of writing & printing papers with increased production of 540 TPD (utilizing the purchased pulp) vide Letter reference number 1035 dated 12/03/2025. Based on which, the unit had already obtained the CTE-Expansion vide letter no. PBIP/PPCB/2025/3223 dated 08/05/2025, valid up to 01/04/2026. Continuation to the same, the unit has also obtained the Consent to Operate (CTO)- Varied under Air Act-1981 vide certificate Number: CTOA/Varied/PBIP/HSP/2025/2505389610 Date of Issue:

viii. PP submitted during deliberations that to utilise the energy of the Chemical recovery Plant, which burns concentrated black liquor, a Co-Generation Power Plant of 10 MW is installed with permission/ CTO of Punjab PCB. The power plant is akin to a waste heat Recovery Boiler using black liquor as fuel and byproduct as steam to generate power (10MW). It also submitted that the same was exempted from EC requirement as no auxiliary fuel is being used for the same. The Committee noted the submissions of PP, and opined that the aspect of not using auxiliary fuel making it eligible for consideration under waste heat recovery clause of EIA Notification 2006, need to be validated by the Punjab PCB. Hence, PP may submit a specific clarification on this aspect.

ix. PP submitted that total land is 104.41 ha [Private land]. The land is already in possession with the proponent in the existing scenario and no additional land acquisition involved in the proposed expansion.

x. As reported, there are sensitive areas within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.

xi. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.

xii. It is reported that there are water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xiii. Existing Water requirement is 37,350 m<sup>3</sup>/day, out of which 21,600 m<sup>3</sup>/day fresh water requirement is obtained from bore well. The water requirement for the proposed project is estimated as 40,125 m<sup>3</sup>/day, out of which 23,500 m<sup>3</sup>/day fresh water will be obtained ground water/canal water (surface water). The EAC deliberated on the water requirement and opined that PP shall explore alternate source of water such as ETP water or rainwater harvesting methods to reduce its dependency on ground water.

xiv. The Committee deliberated on the baseline data, incremental Ground Level Concentrations (GLCs) due to the proposed project, and the corresponding pollution load assessment as presented. It was observed that there would be a marginal increase in the pollution load. After detailed discussion, the EAC found the pollution load assessment submitted by the Project Proponent/ Consultant to be satisfactory. Hence, the Committee agreed that the proposal may be considered for appraisal under para 7(ii) of the EIA Notification, 2006.

xv. The Committee also deliberated on the earlier public hearing issues and the status of compliance of action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xvi. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

xvii. Existing green belt has been developed in 47.01 ha. area which is about 45.03% of the total project area of 104.41 ha with total sapling of 1,18,404 Nos. Trees. There will be no additional greenbelt proposed to be developed in the proposed expansion. Thus, total of 47.01 ha area (45.03% of total project area) is developed as greenbelt. The EAC observed that the existing greenbelt coverage of 45% is in line with the specific condition stipulated in the earlier EC dated 14th June, 2017. However, the Committee emphasized that the project proponent shall make all efforts to avoid cutting of existing trees, and under no circumstances shall the greenbelt area be reduced below 33% of the total project area, and shall be



maintained in conformity with CPCB norms. The Committee noted that rather than developing greenbelt in concentrated manner in some patches, PP must prioritise the coverage of the periphery of the project site with a thick greenbelt cover. Further, the Committee advised that the greenbelt shall be strengthened and maintained with native species to enhance ecological value and long-term sustainability.

xviii. The EAC deliberated on the certified compliance report and Review report issued by the Regional Office (RO) of MoEF&CC dated 09-07-2025 and 25-07-2025. It also took note of the ATR submitted to RO MoEF&CC based on which Review report was issued. The EAC noted that the RO MoEF&CC has mentioned that the conditions are complied, and accordingly, found it satisfactory.

xix. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xx. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.

xxi. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xxii. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxiii. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

### **Recommendation of EAC**

8. The EAC (Industry-1 Sector), in its 11<sup>th</sup> EAC held during 10<sup>th</sup> September, 2025, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to uploading of clarification from the Punjab PCB. PP has submitted Punjab PCB clarification vide letter dated 13.10.2025 in Parivesh Portal.

### **Decision of MoEF&CC**

10. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) that grant of EC is subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The grant of EC does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. Accordingly, it is hereby decided to grant **Environment Clearance for instant 20% expansion proposal of M/s Kuntum Papers Limited** under the provisions of Para 7(ii) (a), read with OM dated 11-04-2022, of the EIA Notification, 2006 subject to the specific conditions and general conditions (**Annexure-I**).

11. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

12. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

13. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

14. 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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

15. This issues with approval of the competent authority.

(Dinesh Runiwal)  
Scientist 'F'/Director  
Tel: 011-20819346  
Email-d.runiwal@gov.in

#### **Copy To**

1. The Secretary, Science, Technology and Environment Department, Government of Punjab, Punjab Civil Secretariat, Chandigarh.
2. Regional Officer, Ministry of Environment, Forests and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160 030.
3. Chief Wildlife Warden, Govt. of Punjab, Tower No. 2, IIInd Floor, Forest Complex Sec-68, Mohali-160068.
4. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-1100032.
5. The Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- 6. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab 147 001 - with a request to take follow-up action in compliance with OM dated 14-01-2025**
7. District Collector, Hoshiarpur District, Punjab.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. Guard File/Monitoring File/Website/Record File/Parivesh Portal.

#### **Annexure 1**

#### **Specific EC Conditions for (Pulp & Paper Industry)**

##### **1. Specific**

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.3	The Captive Power Plant(s) using coal or lignite shall comply with emission standards notified vide G.S.R. 465(E) dated 11-07-2025.
1.4	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.5	As reported, there are sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
1.6	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
1.7	It is reported that there are water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.8	Existing Water requirement is 37,350 m3/day, out of which 21,600 m3/day fresh water requirement is obtained from bore well. The water requirement for the proposed project is estimated as 40,125 m3/day, out of which 23,500 m3/day fresh water will be obtained ground water/canal water (surface water). Necessary permission shall be obtained. PP shall explore alternate source of water such as ETP water or rainwater harvesting methods to reduce its dependency on ground water. PP shall take necessary steps to reduce water consumption by various water conservation methods and conduct regular water audits to ensure effective water utilization. <b>Submit the water balance to MoEFCC, RO Chandigarh in 6 monthly compliance reports.</b>
1.9	<b>PP shall continue to maintain 47.01 ha. area as greenbelt, which is about 45.03% of the total project area, and shall not cut existing trees. The Greenbelt shall be maintained in conformity with CPCB norms with tree density shall not be less than 2500 per ha. PP shall also prioritize development of greenbelt all along the periphery and achieve the same in a timebound manner. Survival rate of green belt developed shall be monitored on periodic</b>

S. No	EC Conditions
	<b>basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees &amp; broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution &amp; noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&amp;CC.</b>
<b>1.10</b>	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% or 40%, as the case may be, greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at ( <a href="https://merilife.nic.in">https://merilife.nic.in</a> )
<b>1.11</b>	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to Rs. 2.10 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
<b>1.12</b>	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village in consultation with the State Administration.
<b>1.13</b>	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
<b>1.14</b>	PP shall Install CO sensors with alarms at strategic locations in the Plant.
<b>1.15</b>	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reorted to RO MoEFCC on regular basis through the self compliance reporting mechanism.
<b>1.16</b>	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported



S. No	EC Conditions
1.17	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1.18	<b>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.</b>
1.19	Pet coke shall not be used in the CPP.
1.20	Black Liquor shall be separately processed for recovery of energy and chemical in a Chemical Recovery Process.
1.21	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.
1.22	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.
1.23	The manufacturing process shall be with spray drying falling filter evaporation of black liquor and no black liquor in the effluent.
1.24	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.
1.25	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.
1.26	PP shall prepare and implement a road map for decarbonisation in line with the decarbonisation details provided.
1.27	<b>Necessary coordination shall be made with concerned SPCB/ UTPCC (who is responsible for Compliance of OM dated 14-01-2025/ 08-10-2025/ 25-11-2025) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE</b>

Standard EC Conditions for (Pulp & Paper Industry)

## 1. Statutory Compliance



S. No	EC Conditions
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

## 2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and/ or other raw materials and cover them with tarpaulin.

S. No	EC Conditions
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm <sup>3</sup> and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.

### 3. Air Quality Monitoring And Preservation In Case Of Paper And Pulp

S. No	EC Conditions
3.1	The project proponent shall install high volume, low concentration NCG collection & destruction system to mitigate all malodorous gases emitted.
3.2	Emissions shall be controlled from chemical recovery section through primary and secondary venturi scrubbers.
3.3	Pollution control system in the pulp and paper plant shall be provided as per the CREP Guidelines of CPCB.
3.4	The company shall install Oxygen Delignification (ODL) Plant and shall maintain AOX below 1 kg/tonne of paper production
3.5	Elemental Chlorine Free (ECF) technology shall be used and lime kiln shall be installed to manage lime sludge.
3.6	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible

S. No	EC Conditions
	limits as per Indian Factories Act, 1948 shall be implemented.
3.7	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m <sup>3</sup> , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

#### 4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	ETP shall be installed and discharge of effluent from the plant shall be governed through the stipulations made in the Consent issued by the concerned SPCB. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
4.9	Air Cooled condensers shall be used in the captive power plant.

#### 5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional



S. No	EC Conditions
	Officer of the Ministry as a part of six-monthly compliance report.
5.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
5.3	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

## 6. Energy Conservation Measures

S. No	EC Conditions
6.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
6.2	Provide LED lights in their offices and residential areas.

## 7. Waste Management

S. No	EC Conditions
7.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
7.2	Kitchen waste shall be composted or converted to biogas for further use.
7.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
7.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
7.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

## 8. Green Belt

S. No	EC Conditions
8.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the

S. No	EC Conditions
	programme for reduction of the same including carbon sequestration by trees.
8.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
8.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

## 9. Public Hearing And Human Health Issues

S. No	EC Conditions
9.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
9.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
9.3	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
9.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

## 10. Environment Management

S. No	EC Conditions
10.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
10.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
10.3	A separate Environmental Cell both at the project and company head quarter level, with qualified

S. No	EC Conditions
	personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
10.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

## 11. Miscellaneous

S. No	EC Conditions
11.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
11.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
11.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
11.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
11.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
11.6	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
11.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
11.8	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
11.9	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
11.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of



S. No	EC Conditions
	involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
11.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
11.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
11.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
11.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Additional EC Conditions**

NA

S. No.	Particulars	Details												
a.	Terms of Reference for undertaking EIA study	The proposed project is under the provisions of para 7(ii) of EIA Notification, 2006.												
b.	Period of baseline data collection	March 2024 to May 2024												
c.	Date of Public Consultation	Public hearing has been exempted for this project in pursuance to the Ministry's O.M. dated 11.04.2022 for appraisal of instant proposal under para 7(ii) of EIA Notification, 2006.												
d.	Action plan to address the PH issues	Details of additional expenditure for socio-economic commitments are attached as <b>Annexure IV</b> .												
e.	Location of the project	Village: Saila Khurd, Tehsil: Garhshankar, District: Hoshiarpur, Punjab												
f.	Total land	<b>104.41 ha</b> <b>[Private land]</b>												
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Already in possession with the proponent in the existing scenario and no additional land acquisition involved in the proposed expansion.												
h.	Existence of habitation & involvement of R&R, if any	<b>Status of R&amp;R :</b> Not applicable												
i.	Elevation of the project site	280-300 M above mean sea level												
j.	Involvement of Forest land if any.	No Forest Land is involved in the project site.												
k.	Water body exists within the project site as well as study area	<p><b>Project site:</b> No natural water bodies exist within the project site.</p> <p><b>Study Area:</b></p> <table border="1"> <thead> <tr> <th>Water Body</th><th>Distance</th><th>Direction</th></tr> </thead> <tbody> <tr> <td>Gujarpur Pond</td><td>2.75 km</td><td>WNW</td></tr> <tr> <td>Sardullapur Pond</td><td>1.91 km</td><td>NW</td></tr> <tr> <td>Bharowal Canal</td><td>3.68 km</td><td>E</td></tr> </tbody> </table>	Water Body	Distance	Direction	Gujarpur Pond	2.75 km	WNW	Sardullapur Pond	1.91 km	NW	Bharowal Canal	3.68 km	E
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S. No.	Particulars	Details														
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	<p><b>Study area</b> <b>Name of the ESZ/ESA:</b> None within the study area <b>Status of Notification:</b> -- <b>Distance of project from ESZ/ESA:</b> -- <b>Authenticated map of ESZ projecting distance of ESZ from project site:</b> -- <b>Status of NBWL approval:</b> Not applicable <b>List of Reserved and protected forests:</b></p> <table><tr><th>Forest Details</th><th>Distance / Direction from Project Site</th></tr><tr><td>Polian Shamlat RF</td><td>NE / 8.11 Km</td></tr><tr><td>Saunil RF</td><td>ESE / 9.39 Km</td></tr><tr><td>Kangar Protected Forest</td><td>N / 9.87 Km</td></tr><tr><td>Protected Forest</td><td>NNE / 7.93 Km</td></tr><tr><td>Protected Forest</td><td>NE / 6.75 Km</td></tr><tr><td>Protected Forest</td><td>SE / 9.80 Km</td></tr></table>	Forest Details	Distance / Direction from Project Site	Polian Shamlat RF	NE / 8.11 Km	Saunil RF	ESE / 9.39 Km	Kangar Protected Forest	N / 9.87 Km	Protected Forest	NNE / 7.93 Km	Protected Forest	NE / 6.75 Km	Protected Forest	SE / 9.80 Km
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m.	Project cost	The capital cost of the proposed project is Rs. 140 Crores														
n.	EMP cost	<table><tr><th>EMP</th><th>Capital (Rs. in Crores)</th><th>Recurring (Rs. in Crores)</th></tr><tr><td></td><td>5.26</td><td>1.01</td></tr></table>	EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)		5.26	1.01								
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o.	Employment opportunity	The total employment generation from the project is 100 persons														
p.	Water and Power requirement	The water requirement for the proposed project is estimated as 40,125 m3/day. Power – The power requirement for the proposed project is estimated as 33.6 MW.														
q.	CPA/SPA	The Project location is not in CPA/SPA.														



## Unit configuration and capacity

S. No.	Plant Equipment / Facility	Existing facilities as per EC dated 14/06/2017 And subsequent NIPL dated 12/03/2025	Proposed Units	Final (Existing + Proposed)
		Configuration / Capacity	Configuration / Capacity	Configuration / Capacity
1	Agro Pulp Stream	165 TPD	33 TPD	198 TPD
2	Hard Wood Pulp Stream	200 TPD	40 TPD	240 TPD
3	Paper Machines	540 TPD	--	540 TPD
4	Captive Power Plant & Co-generation Power Plant	28 MW (10 MW Stand by)	--	28 MW (10 MW Stand by)
5	Conventional Chemical Recovery Plant	580 TPD	116 TPD	696 TPD

**Action plan as per MoEF&CC O.M. dated 30/09/2020**

Successfully implemented all the commitments made to the public during the public hearing and made the expenditure of around 882.02 Lakhs for the same. Details of the same are presented as below:

Area of the Implementation	Activities	Amount spent (In INR.)
Sustainable Livelihood	Provision of RO water where drinking water facilities are lacking	8.50 Lacs
Infrastructure	Expansion of the pipeline to supply this additional wastewater.	17.98 Lacs
Agro forestry	Agro/Social forestry scheme	498.00 Lacs
Misc. activities	Soil testing from the Govt. soil testing laboratory and suggesting suitable varieties of clones to the farmers.	0.20 Lacs
	Bio-cleaner technology for the liquefaction of waste-activated sludge by the mill will improve nitrogen content in the treated effluent.	357.34 Lacs
<b>Total</b>		<b>882.02 Lacs</b>

**Details of additional expenditure for socio-economic commitments are given below**

Activity wise budget allocation is as under:

S.No	Particulars	Description	Unit (Number)	Unit Cost (In Lacs INR)	Year wise Budget (In Lakhs)					Total Rs. In Lakhs
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	
1	Renewable Energy	Roof Top Solar System/House Hold Plant with maintenance on the roof of the Schools and Hospital of the nearby village	25	2	10	10	10	10	10	50
2	Health	Health care/PHCs improvement in the nearby villages	20	2	8	8	8	8	8	40
3	Environment	Tree plantation with tree guard at nearby villages and agroforestry development	5600	0.005	5	5	6	6	6	28

S.No	Particulars	Description	Unit (Number)	Unit Cost (In Lacs INR)	Year wise Budget (In Lakhs)					Total Rs. In Lakhs
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	
4	Infrastructure	Provision of solar street lights in nearby villages Expansion of pipeline network to supply the water for agricultural use for farmers.	350	0.12	8	10	8	8	8	42
		Provide Drinking water facilities with AMC at nearby village	5	8	8	8	8	8	8	40
5	Education	Skill development of local people for enhancing their livelihood opportunities, etc. (Training e.g. Fitter, welders, Tailoring, electronics item repairing, electrical, masonry work, etc.) of unskilled villagers	20	0.5	2	2	2	2	2	10
<b>Total (INR)</b>			-	-	41	43	42	42	42	210