

Seshasayee Paper and Boards Limited (Unit : Tirunelveli)

Compliance status of

TNPCB Renewal Consent Order No. 2108237090296 dt. 20.05.2021
Proceedings No. T3/TNPCB/F.0097TNV/RL/TNV/A/2021 Dt. 20.05.2021

Air

Special Conditions

SI No	Conditions	Compliance Status
1	This renewal of consent is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.	Complied Writing and Printing Paper 90000 TPA. Any change in the products and its quantity will be brought to the notice of the Board and fresh consent will be obtained.
2	This renewal of consent is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.	Complied Any change in the emission sources / control measures / change in stack height will be brought to the notice of the Board and fresh consent/Amendment will be obtained

Special Additional Conditions

SI No	Conditions	Compliance Status
1	The unit shall install the approved retrofit emission control device / equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification NO. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.	Suitable retrofit emission control device will be installed with atleast 70% PM reduction efficiency in the DG set. However, we are not operating the DG set for power generation. It is operated during the start-up of Cogen plant.

Additional Conditions.

SI No	Conditions	Compliance Status
1	No process emission shall be let out from the unit.	Complied No emission has been let out from the unit
2	The unit shall adhere to the AAQ/SM/ANL standards prescribed by the Board.	Complied TNPCB - AAQ/ANL report enclosed
3	The unit shall provide at least four numbers AAQ monitoring stations surrounding the premises in consultation with the Board within three months.	Complied We have provided 5 numbers of AAQ monitoring stations in the surrounding of the premises in consultation with Dy. Director, Advanced Laboratory, TNPCB, Tirunelveli. Monthly AAQ analysis report has been sent to TNPCB, Tirunelveli.
4	The unit shall monitor the AAQ /SM/ANL through external MoEF approved lab for the NAAQM parameters and furnish the report to the Board regularly .	Complied We are monitoring AAQ/SM/ANL through Envirocare Laboratories, Madurai (NABL accredited) (ROA attached)
5	The unit shall liable to pay the consent fee and shall remit the difference in amount in case of any revision of consent fee by the Government.	Revision of Consent fee, if any, will be remitted immediately.

TNPCB Renewal Consent Order No. 2108137090296 dt. 20.05.2021
Proceedings No. T3/TNPCB/F.0097TNV/RL/TNV/W/2021 Dt. 20.05.2021

Water**Special Conditions**

SI.No	Conditions	Compliance Status
1	This renewal of consent is valid for operating the facility for the manufacture of products / byproducts(col.2) at the rate (col.3) mentioned below. Any change in the product /byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.	Complied Writing and Printing Paper 90000 TPA. Any change in the products and its quality will be brought to the notice of the Board and fresh consent will be obtained
2	This renewal of consent is valid for operating the facility with the below mentioned outlets for the discharge of sewage/trade effluent . Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.	Complied Any change in the discharge of trade effluent / sewage will be brought to the notice of the Board and fresh consent/Amendment will be obtained

Additional Conditions.

Sl.No	Conditions	Compliance Status
1	The unit shall operate and the ETP efficiently and continuously so as to satisfy the standards prescribed by the Board always.	Complied: We are operating and maintaining the ETP efficiently and continuously and achieving the standards prescribed by the Board.
2	The unit shall recycle the treated trade effluent to the process to the maximum possible extent.	Complied: We are recycling the treated trade effluent to the process.
3	The unit shall follow the guidelines issued by CPCB during January, 2015 on Techno – Economic feasibility of implementation of Zero Liquid Discharge (ZLD).	CPCB guidelines on - Techno economic feasibility of implementation of ZLD is followed.
4	The unit shall follow the guidelines issued by CPCB during September, 2019 for the utilization of treated effluent for irrigation.	We are following the guidelines issued by CPCB for the utilization of treated effluent for irrigation
5	The unit shall explore the possibility of providing full – fledged STP for the treatment and disposal of domestic sewage and an action plan may be furnished to the Board within three months.	Complied Full-fledged STP has been installed and commissioned on 11.10.2021 –
6	The unit shall ensure that the sludge generated from the screw press of the ETP shall not be stored on open lands. The same shall be disposed to further beneficial use without any accumulation in the premises.	Complied: Sludge generated from the Screw Press is not stored on open land and the same is sent to board manufacturing units. We ensure that, there is no accumulation in the premises.
7	The unit shall provide save all system in its process to remove fibre so as to avoid the carryover of fibre in to the Effluent treatment plant.	Complied Closed loop fiber recovery and backwater system of Poly-disc save-alls had been installed to recover the fibre in the process and to avoid fiber carryover to ETP.
8	The unit shall dispose the accumulated plastic waste of quantity 144.5 tons generated during 2020-21 for further beneficial use.	Complied We have disposed the entire accumulated quantity of 144.5 tons of plastic wastes generated in 2020-21 to M/s. UltraTech Cement for its Kiln for co-processing / incineration.

9	The unit shall provide interlocking system between process plant and pollution control equipment, in case of treatment process disturbances/failure of pollution control equipment.	<p>Complied</p> <p>Inter-locking system has been provided between process plant and pollution control equipment.</p> <p>As our operation is DCS based (Paper and Co-gen plants), Emission (SPM, Sox, NOx and CO) and Effluent (pH, BOD, COD and TSS) monitors are linked with DCS logics.</p> <p>Interlocking arrangements made to trip the Boiler ID fan, when the said parameters exceed the SPCB / CPCB standards.</p> <p>ID fan tripping leads to boiler on idle mode.</p> <p>When boiler is idle, Paper plant will not get steam and power signals.</p> <p>When no Steam and Power, Paper plant will be in idle mode.</p> <p>Ultimately both Co-gen and Paper plants will be non-operative as both plants are in idle mode until the values become normal.</p>
10	The unit shall provide adequate number of influent and effluent quality monitoring stations in consultation with the TNPCB and regular monitoring shall be carried out for all relevant parameters to maintain the effluent treatment efficiency.	<p>Complied</p> <p>Regular sampling / analyzing is carried out at our laboratory internally and based on the results of analysis of quality of effluent with respect to parameters Viz. flow, PH, MLSS, VSS, BOD, COD and DO, necessary actions are taken to improve the treatment efficiency.</p>
11	The plastic waste received during the import of waste paper shall be disposed to waste plastic reprocessing unit having valid registration from SPCB under the plastic waste management Rules 2016.	<p>Complied</p> <p>Disposing the plastic wastes to waste plastic reprocessing unit having valid registration from SPCB under plastic waste management rules 2016.</p>
12	The unit shall computerize the all the EMFMs provided in the ETP and the reading shall be communicated to the Board every month.	<p>Complied</p> <p>We have installed Data loggers and recorders system for computerizing EMFMs readings on 15.10.2021. EMFM reading are sent to TNPCB every month.</p>
13	The unit shall maintain good housekeeping in the premises.	<p>Maintaining Good housekeeping at all time.</p>
14	The unit shall provide piezometric monitoring wells in the area where treated trade effluent is discharge for irrigation / green belt area within three months and furnish the report to Board.	<p>Complied:</p> <p>We have provided 4 nos. of piezometric wells in the area where treated trade effluent is irrigated for green belt development. Water quality is tested by TNAU biannually and TNPCB annually.</p>

15	The unit shall regularly analyze the treated trade effluent and furnish ROA of the same.	Complied: We are regularly analyzing the treated trade effluent through TNPCB laboratory and our own laboratory and furnishing ROA to TNPCB
16	The unit shall regularly analyze the ground water quality through piezometric bore wells and furnish report to Board regularly.	Complied We are regularly analyzing the ground water quality through piezometric bore wells and furnishing report to board
17	The unit shall conduct study through TNAU on soil characteristics including Ground water modeling in the land areas where the treated effluent treated is utilized for the irrigation/green belt development / gardening and the report shall be furnished in this regard within three months.	Complied Both water and soil samples taken from effluent irrigated area are analyzed by TNAU including ground water modeling.
18	The unit shall operate and maintain the online TDS meter with computer regarding arrangement provided at the outlet of Effluent Treatment Plant.	Complied: We are operating and maintaining the online TDS meter at the outlet of ETP with computer recording arrangements).
19	The unit shall repair and replace the online monitors provided to monitor , pH, BOD, COD&TSS at the outlet of ETP and shall make connectivity with WQW of TNPCB.	Complied Connectivity has been reestablished on 18/5/21 and the data is transmitted to CAC – TNPCB.
20	The unit shall regularly calibrate and ensure the connectivity of online monitors for flow pH, TSS, BOD&COD, provided at the ETP outlet with WQW of TNPCB ,Guindy, Chennai.	Complied: We are regularly calibrating the online monitors for flow, pH, TSS, BOD & COD provided at the ETP out let and connectivity made with Care Air Centre of TNPCB, Guindy, Chennai (Calibration certificates for online effluent monitoring -
21	The Hazardous waste generated shall be properly disposed/handled as per the Authorization obtained under Hazardous and other waste (M&TM) rules, 2016.	Complied: Hazardous waste generated is disposed to PCB authorized recyclers as per the Authorization obtained under Hazardous and Other Wastes (M&TM) Rules, 2016
22	The unit shall apply and obtain fresh authorization under HOWM, Rules 2016 for the disposal of ETP sludge as per the SOP issued by CPCB.	We have submitted application for HWA on 24/6/2021 through OCMMS. The same is under process in TNPCB.

23	The unit shall comply all the conditions prescribed in the Environmental clearance issued by SEIAA, Tamilnadu vide their letter No. SEIAA-TN / F.1941 / TNLI / 5(i) & 1 (d) / EC-12 /2013 dated 01.04.2015.	Complied : We are complying all the conditions prescribed in the Environmental Clearance issued by SEIAA, Tamilnadu vide their letter No. SEIAA-TN / F.1941 / TNLI / 5(i) &1 (d) / EC-12 / 2013dated 01.04.2015
24	The unit has to achieve the bench Mark target set by National Productivity Council to conserve the fresh water requirement by adopting process/equipment modification, improved internal recycling practices, good housekeeping to reduce the fresh water requirement.	Complied: We are achieving the Bench Mark target set by National Productivity Council to conserve the fresh water requirement by improved internal recycling practices. Bench mark : 15 m3/Ton of Paper Present Level : 2020-21 : 15 m3 2021- 22 : 14.2 m3 (up to Sept.21)
25	The unit shall not use “use and throwaway plastics” such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead, it shall encourage use of eco-friendly alternative such as banana leaf, areca nut plam plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.,	Complied: We are not using any ‘use and throwaway plastics’ mention in the conditions
26	The unit shall continue to develop green belt within the premises and furnish exact green belt area ear marked/developed in the unit premises and furnish photographs along with latitude and longitude co-ordinates.	Complied: We continuously developing Green belt in the premises and photographs are furnished along with latitude and longitude co-ordinates to Board periodically
27	The unit shall liable to pay the consent fee and shall remit the difference in amount in case of any revision of consent fee by the Government.	Complied We will remit the difference in amount in Consent fee payable, in case of any fee revision by Government.

For Seshasayee Paper and Boards Ltd.,
Unit: Tirunelveli