

TGV SRAAC LIMITED

Sy. No. 51/1, 2A, 2B, 2C1, 2C2, 2C3, 56/1, 58/1, 59/1, 60, 62/3/2D2, 2C1/A2, 2C1/A3, 2C2/C,
2G/1, 2E, 2F, 1A, 1B, 62A, 62 B, 63, 64, 70/C2, 72/P, GONDIPARLA VILLAGE,
KURNOOL MANDAL AND DISTRICT, ANDHRA PRADESH

CFO Order No. 1274022/APPCB/KNL/KNL/CFO&HWA/HO/2023, DATE: 09.06.2023
COMPLIANCE REPORT OF CFO (Chlor-Alkali - 220 TPD)

S.No.	Conditions	Compliance
SCHEDULE A		
1.	Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.	Condition noted and same will be followed.
2.	The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.	Being Complied Analysis of wastewater was being carried out in In-house laboratory and results are submitting to RO, APPCB on monthly basis. Continuous online (24x7) monitoring system installed for 100 TPH, 110 TPH and 42 TPH and results are within standards.
3.	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable	Agreed to comply Will follow rules & regulations notified by Ministry of Law and Justice. GoI regarding PLI. valid till 28.05.2024.
4.	The industry shall install display boards at outside the factory containing information related to effluent discharge, air emissions and waste generation, the format is available in the APPCB website.	Complied. We have displayed two sign boards (6 X 4 feet each) at the main gate indicating the products being manufactured, hazardous waste quantities generated and validity of the CFO.
5.	Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	Condition noted
6.	The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.	Condition Noted and same will be followed.
7.	The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof	Complied. Submitted in Form-V, dated 30.06.2023 as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8.	The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of	Complied. All the applications fresh or renewal of any consents will be applied over AP Single Desk web portal.

S.No.	Conditions	Compliance
	<p>expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board</p>	
9.	<p>The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes Employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board</p>	<p>Condition Noted and same will be followed.</p>
10.	<p>Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.</p>	<p>Condition Noted.</p>
11.	<p>The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue</p>	<p>Condition Noted. All necessary pollution control measures will be implemented based on the guidelines and standards prescribed by the CPCB, MoEFCC, and APPCB.</p>
12.	<p>The industry may explore the possibility of tapping the solar energy for their energy requirements.</p>	<p>Complied. Installed 22.5 MW solar panel based power plant to meet part of our power requirements.</p>
13.	<p>The industry should educate the workers and nearby public of possible accidents and remedial measures.</p>	<p>Complied. Conducting mock drills and safety training programs are conducting at regular intervals and submitted reports to the RO: Kurnool.</p>

S.No.	Conditions	Compliance																					
SCHEDULE - B																							
WATER																							
1.	The source of water is Infiltration well from Tungabhadra river. The following is the permitted water consumption; <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>S.No</th> <th>Purpose</th> <th>Quantity (KLD)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Process</td> <td>310</td> </tr> <tr> <td>2</td> <td>Floor Washings</td> <td>5</td> </tr> <tr> <td>3</td> <td>Pump Gland Cooling</td> <td>15</td> </tr> <tr> <td>4</td> <td>Cooling make-up</td> <td>213</td> </tr> <tr> <td>5</td> <td>Domestic</td> <td>5</td> </tr> <tr> <td colspan="2">Total</td> <td>548</td> </tr> </tbody> </table>	S.No	Purpose	Quantity (KLD)	1	Process	310	2	Floor Washings	5	3	Pump Gland Cooling	15	4	Cooling make-up	213	5	Domestic	5	Total		548	Will be complied. The water consumption is not exceeding 548 KLD as mentioned in consent. We have obtained permission from Tungabhadra River for withdraw of 20 MLD of water.
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1	Process	310																					
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4	Cooling make-up	213																					
5	Domestic	5																					
Total		548																					
2.	The industry shall maintain properly the separate flow meters for assessing the quantity of water used for the above purposes and maintain records	Complied. Provided digital water meter with totalizers at raw water sump, process, washings, cooling tower and boiler feed and domestic.																					
3.	The effluent discharged shall comply with the tolerance limits mentioned below; <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Out-let</th> <th>Purpose</th> <th>Limiting Standards</th> </tr> </thead> <tbody> <tr> <td rowspan="4">1</td> <td>pH</td> <td>5.5 to 9.0</td> </tr> <tr> <td>Total Suspended Solids</td> <td><100 mg/l</td> </tr> <tr> <td>Oil and Grease</td> <td>10 mg/l</td> </tr> <tr> <td>BOD (3 days at 270 C)</td> <td>30 mg/l</td> </tr> </tbody> </table>	Out-let	Purpose	Limiting Standards	1	pH	5.5 to 9.0	Total Suspended Solids	<100 mg/l	Oil and Grease	10 mg/l	BOD (3 days at 270 C)	30 mg/l	Complied. Analysis of wastewater was being carried out in In-house laboratory for stipulated parameters and results are submitting to RO, APCCB on monthly basis.									
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4.	The industry shall provide flow meters with totalizers at the inlet and outlet of effluent recycling plant and treated water utilization sources.	Complied. Provided flow meters with totalizers at the inlet and outlet of ETP.																					
5.	The industry shall not discharge any waste water outside the premises and shall maintain Zero Liquid Discharge System.	Complied. No effluent is discharged outside the plant premises. Total effluent is treated in ZLD system and reused.																					
6.	The Container & Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank for treatment and disposal.	Complied. Detoxification provision with concrete platform and dyke walls for Container & Container washings is provide. Wastewater sent to LTDS effluent treatment plant and recycles the same.																					
AIR POLLUTION																							
7.	The emissions shall not contain constituents in excess of the prescribed limits mentioned below; <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Chimney No</th> <th>Parameter</th> <th>Emission Standard</th> </tr> </thead> <tbody> <tr> <td>1 to 3</td> <td>Particulate Matter</td> <td>115 mg/Nm³</td> </tr> </tbody> </table>	Chimney No	Parameter	Emission Standard	1 to 3	Particulate Matter	115 mg/Nm ³	Complied. Continuous online (24x7) monitoring system installed for 100 TPH, 110 TPH and 42 TPH and results are within standards.															
Chimney No	Parameter	Emission Standard																					
1 to 3	Particulate Matter	115 mg/Nm ³																					
8.	The industry shall regularly operate the air pollution control equipment's provided to the existing boilers of capacity 42 TPH, 100 TPH & 110 TPH and meet the standards prescribed in	Complied. Provided ESP as APC to 42 TPH, 100 TPH & 110 TPH boilers. Continuous online (24x7) monitoring system installed for 100 TPH, 110																					

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	the CFO& HWA order dt. 26.02.2014.	TPH and 42 TPH and results are within standards.						
9.	<p>The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10mm) - 100 mg/ m³; PM2.5 (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO2 - 80 mg/ m³; NOx - 80 mg/m³, outside the factory premises at the periphery of the industry.</p> <p>Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No. B-29016/20/90/PCI-I, dated 18.11.2009.</p> <table border="1"> <tr> <td>Noise Levels</td> <td>Day Time (6AM to 10PM)</td> <td>75 dB(A)</td> </tr> <tr> <td></td> <td>Night Time (10PM to 6AM)</td> <td>70 dB(A)</td> </tr> </table>	Noise Levels	Day Time (6AM to 10PM)	75 dB(A)		Night Time (10PM to 6AM)	70 dB(A)	<p>Complied. Installed continuous Ambient Air Quality monitoring station and results are found to be within the NAAQ standards.</p> <p>Noise level monitoring is being carried out MoEF&CC recognized third party laboratory and noise levels are within the standards.</p>
Noise Levels	Day Time (6AM to 10PM)	75 dB(A)						
	Night Time (10PM to 6AM)	70 dB(A)						
10.	The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.	<p>Complied. DG Sets stack emission parameters were carried out when it is running. DG sets are not running, kept standby.</p>						
GENERAL								
11.	The industry shall not manufacture any product, other than those mentioned in this order, without CFE & CFO of the Board. The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board.	Condition Noted and same will be followed.						
12.	The industry shall install and operate multi stage scrubbers for scrubbing of process emissions at all emission sources. The details of chemicals consumption used in the scrubber should be recorded and kept accessible for the inspecting officials of the Board.	<p>Complied. Installed 3 stage chlorine neutralization scrubbing system to mitigate process emissions. Records being maintained for caustic consumed for neutralization and power consumed for chlorine neutralization plant.</p>						
13.	The industry shall regularly operate scrubbers for scrubbing of Chlorine emissions generated from cell house, de-chlorination unit, chlorine liquefaction & chlorine storage and filling areas of chlor-alkali division.	<p>Complied. Installed 3 stage chlorine neutralization scrubbing system to mitigate chlorine emissions from cell house, de-chlorination unit, chlorine liquefaction & chlorine storage and filling areas of chlor-alkali division</p>						
14.	The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:	Complied. All the records will be made available during site inspection.						
	a) Daily production details (ER-1 Central Excise Returns).	ER-1 Central Excise Returns are being maintained						
	b) Characteristics of effluents and emissions	In-house laboratory analytical results made available.						
	c) Quantity of Effluents generated, effluent	Maintaining all records, after complete						

S.No.	Conditions	Compliance
	evaporated in MEE, recycled/reused.	treatment of effluent, recycling in the plant itself.
	d Log Books for pollution control systems	Energy readings records of APC are made available at power plant.
	e Hazardous/non-hazardous solid waste generated and disposed	Manifest copies of hazardous waste disposed are submitting to APPCB.
	f Manifest copies of effluents/hazardous waste	Manifest copies of hazardous waste disposed are submitting to APPCB.
	g Inspection book.	Inspection Observation File is maintained
15.	The industry shall comply with the Task Force directions issued by the Board from time to time.	Complied.
16.	The industry shall comply with the conditions stipulated in the CFE orders dt. 23.05.2018 and 10.02.2022	Complied. Compliance report for the conditions stipulated CFO & HWA order is also uploaded at website i.e., https://pcb.ap.gov.in .
17.	The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., https://pcb.ap.gov.in by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through NABL accredited third party	Complied. Submitted Six months compliance reports for the first half year by NABL accredited third party and same was uploaded at appcb.gov.in website.
Special Conditions		
18.	The industry shall possess valid NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) and submit a copy at concerned Regional Office, APPCB.	Complied. Obtained NOC from APSDRFSD vide Rc.No. 3321/MSB/SR/KNL/2021SDP, dt.21.09.2021 valid till 21.09.2026
19.	The industry shall inventorize the storage quantities of hazardous chemicals (raw materials), products, as per the hazard nature of reactivity / toxicity / flammability / explosive stored/handling in the premises as defined in the Management of Storage, Import of Hazardous Chemicals (MSIHC) Rules, 1989 and the details shall be furnished to the Factories Department and to the Regional Office, APPCB on monthly basis duly certifying the same.	Will be complied
20.	The industry shall identify major accident hazard chemicals & list out the hazardous chemicals endangered to human health & environment, and the details shall be furnished to the Factories Department and the Regional Office, APPCB time to time duly certifying the same by the industry. Further, the industry shall extend training to the working personnel while handling hazardous chemicals for the	Complied. Annual safety audit conducted during 2023 by third party and submitted the report to factories department and APPCB. HAZOP study of entire complex was carried out in 2022. Quantitative Risk Assessment was carried out in 2022. Mock drills on safety are being carried out at regular intervals. Employee training program

S.No.	Conditions	Compliance
	prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989	will be conducted at regular intervals on safety aspects.
21.	The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.	Complied. Annual safety audit conducted during 2023 by third party and submitted the report to factories department and APPCB. HAZOP study of entire complex was carried out in 2022. Quantitative Risk Assessment was carried out in 2022.
22.	The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises	Complied. Calibration of chlorine sensors will be done on time to time basis.
23.	The industry shall inventory the hazardous wastes and its quantities stored within the industry premises as per the Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 (HOWM Rules, 2016) and shall furnish the details to Regional office, APPCB on a monthly basis duly certifying the same by the industry	Complied. Hazardous waste inventory records are being maintained and submitting to RO: Kurnool.
Schedule C: Conditions of Authorization for Occupier Or Operator Handling Hazardous Waste		
1.	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under	Condition Noted and same will be followed. Plant head is the authorized person to comply with provisions of EPA Act 1986.
2.	The authorization shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board	Complied.
3.	The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization	Condition Noted and same will be followed.
4.	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization	Condition Noted and same will be followed.
5.	The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time	Complied. Annual safety audits, HAZOP studies are carried out by third party considering all possible scenarios such as spillages, leakages, fire etc. Mock drills on safety are being carried out at regular intervals.
6.	The person authorized shall comply with the provisions outlined in the Central Pollution	Will be Complied.

S.No.	Conditions	Compliance
	Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”	
7.	It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility	Condition Noted and same will be followed.
8.	An application for the renewal of an authorization shall be made as laid down under these Rules	Will be complied. All the applications afresh or renewal of any consents will be applied over AP Single Desk web portal.
9.	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time	Condition Noted.
SPECIFIC CONDITIONS		
10.	The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Trans boundary Movement Rules, 2016)	Being Complied. No hazardous waste is stored at site more than 90 days.
11.	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis	Complied. Used oil and batteries are sent to authorize recyclers.
12.	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.	Complied. 7 copy manifest system for transportation of waste generated are being maintaining.
13.	The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorization in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form-4 as per Rule 20 (2) of the Hazardous and Other waste (Management & Trans boundary Movement Rules, 2016.)	Complied. All the records w.r.t Hazardous and other wastes are being maintained and same will be made available at site.