### All ZONES

#### RATIFICATION:

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<th>No.</th>
<th>Company</th>
<th>Details</th>
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<td>i.</td>
<td>M/s. Sree Sannidhi Foods Pvt., Ltd., Petapalli (V), Kammaguttapalli Gram Panchayath, Puthalapattu (M), Chittoor District.</td>
<td>The Board vide order dated. 09.01.2018 issued revocation of stop production order to the industry, duly stipulating conditions to comply therein. The committee noted and ratified the order issued by the Board.</td>
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<td>ii.</td>
<td>M/s Tasa Foods Pvt.Ltd., (Unit-I) Sy.No: 117-1 to 117-12, Kothapalli (V), Gudipala Mandal, Chittoor District.</td>
<td>The Board vide order dated. 09.01.2018 issued temporary revocation of closure order to the industry for a period of 4 months, duly stipulating conditions to comply therein. The committee noted and ratified the order issued by the Board.</td>
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<td>iii.</td>
<td>M/s. Tasa Foods Pvt.Ltd.,(Unit-II), Sy.No: 93/1A and 1B, 94, Kothapalli (V), Gudipala Mandal, Chittoor District.</td>
<td>The Board vide order dated. 09.01.2018 issued temporary revocation of closure order to the industry for a period of 4 months, duly stipulating conditions to comply therein. The committee noted and ratified the order issued by the Board.</td>
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| iv.  | 1. M/s RAV's Steels Private Ltd, Sy.No.4, 5 &7, Hirdehal (V), D.Hirehal (M), Anantapur District.  
4. M/s. Venkata Sai Ispat Industries Pvt Ltd., Nemakal (V), Bohmanahal (M), Anantapur District. | The Board vide orders dated. 31.01.2018, issued temporary revocation of closure orders to the industries, duly stipulating conditions to comply therein. The committee noted and ratified the orders issued by the Board. |
| v.  | 1. M/s. Sri Lakshmi Ganapathi Stone Crusher, R.S.No. 9/2, I.Pangidi (V), Kovvur (M), West Godavari District.  
2. M/s. Sri Bala Balaji Granites, R.S.No.313/1, Gowariptonam (V), Devarapalli (M), West Godavari District.  
3. M/s. Sri Lalitha Stone Crusher (Formerly M/s. Sri Krishna Granite Metals), R.S.No.10/1A & 2, I.Pangidi (V), Kovvuru (M), West Godavari District.  
4. M/s. Sri Venkata Sai (Neha) Crusher,(Formerly Siva Rama Krishna Stone Crusher), R.S.No.294/1, Gowripatnam (V), Devarapalli (M), West Godavari District. | The Board vide orders dated. 14.02.2018, issued revocation of closure orders to the industries, duly stipulating conditions to comply therein. The committee noted and ratified the orders issued by the Board. |
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The representatives of the industry attended the legal hearing. The committee noted that appraisal report dt. 22.09.2017 of General Administration (Vigilance & Enforcement) Department regarding irregularities noticed by GA (V & E) Department is received by the Board through EFS&T Department. The EFS&T Department requested the Board to take action against the quarry lease holder M/s. Sai Sonu Granites, Prop. Sri V. Parthasaradi Naidu in Compartment No 456 of Basavapalli Reserve Forest, Chittoor East Division, Gudipada Mandal, Chittoor District for non-implementation of guidelines issued by the APPCB and initiate legal action and report compliance. The Committee also noted the non-compliance of Consent conditions by the industry. The AEE, RO, Tirupati attended the meeting. He informed that the industry is storing overburden (top soil and rock waste) outside the quarry lease area in the south direction of the quarry. Further, the mine has dumped the waste in North, NE direction against the mining plan. Recently the mining company started dumping of waste on western side, as per mining plan. It was informed that mine has not developed green belt at mine lease area, not implementing the measures to reduce the air pollution during the transpiration of mineral. It was also informed that the mine has not complied the CFO conditions.

The representative of the industry informed that they have planted 50 No.s of plants at the vacant places in order to develop the greenbelt. They have provided retention/toe walls at the foot of the dump to avoid sliding and provided garland drains around the dump. It was also informed that they have contacted the Forest Department to plant apporative shrubs on slopes for stabilization. They are in process of exploring various disposal options of the accumulated rock waste and top soil as per the mining plan.

**Recommendations:**

After detailed review the Committee recommended to issue the following directions:

1. The Mining Company shall dump overburden (top soil and rock waste) in the dump yard within the quarry lease area. Under no circumstances, the Mining Company shall dump the overburden soil outside the quarry lease area.
2. The Mining Company shall not increase the mining capacity beyond the permitted capacity mentioned in Consent order, without obtaining CFO/CFO of the Board.
3. The Mining Company shall provide Retention/toe walls at the foot the dumps within 2 months.
4. The Mining Company shall comply with National Ambient air quality standards as per MoEF, GoI Notification dt. 18.11.2009 outside the mine lease area at the boundary of the mine, as prescribed.
5. The Mining Company shall explore the various disposal options to dispose accumulated top soil and rock waste and submit the action plan for implementation of the same within 2 months.
6. The Mining Company shall maintain the dust suppression/water sprinkling system always in good condition and shall operate continuously.
7. The Mining Company shall develop greenbelt as per mining plan in areas suggested by District Collector or Forest Dept.
8. The Mining Company shall submit the compliance report on the Consent for Operation (CFO) conditions for every six months i.e., on 1st January, and 1st July of the year to Regional Office, Tirupati on regular basis.
9. The industry shall ensure continuous compliance of the conditions stipulated in CFO order issued by the Board.

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**Member Secretary**
The Committee also recommended to direct JCEE, ZO, Kumool to conduct meetings at Zonal Office level for all mining units/stone crushers in their jurisdiction for every 6 months to bring awareness on environmental issues and compliance of CFE/CFO conditions.


The representatives of the industry and complainant attended the legal hearing. The Committee noted that a complaint was received at RO, Kumool from Sri Veera Bhadra Goud & Others Madehalu (V), Halaharvi (M), Kumool District on air pollution caused by the industry due to non-operation of air pollution control equipment and ultimately damaging the crops. The Committee also noted the non-compliance of Consent order conditions. The Complainants informed that their crops are continuously damaged due to deposition of dust emanated from kiln and requested the Board to take necessary action.

The EE, RO, Kumool has informed that the industry has provided ESP without having any fields / electrodes etc., Thus the industry is not meeting the Board’s standards. The industry has also not provided sampling port and plat form to the chimney for conducting the stack monitoring for the stack attached to DRI Kiln to the industry. It was informed that the industry has not provided water meters and energy meters for ESP and other control equipments. Online Stack Emission Monitoring systems and CAAQM station are not installed.

The representative of the industry has informed that they have provided water meters at main supply point and energy meters for air pollution control equipment. It was informed that purchase order has been issued to procurement of collecting and discharge electrodes and expected to receive at the site by 15.03.2018. It was also informed that the industry has provided closed shed of capacity 4000 tons for storage of coal. Metal roads have been laid and covered the conveyor belts carrying raw materials.

**Recommendations:**

The Committee after detailed discussions, recommended to issue the following directions:

1. The industry shall submit a time bound action plan for completion of the following directions within 10 days to RO, Kumool
2. The industry shall upgrade ESP attached to the kiln within one month as committed by the management and shall submit compliance report to RO, Kumool.
3. The industry shall provide separate flow meters for assessing the water consumption used for cooling make-up, dust suppression and domestic purpose within one month.
4. The industry shall install separate energy meters for operation of all air pollution control equipments within one month and maintain records for the same.
5. The industry shall install continuous online stack monitoring systems for stack attached to kiln within 2 months and connect to APPCB website.
6. The industry shall provide interlocking system within 2 months to air pollution control equipments attached to kiln in such away that raw material feeding shall be stopped in case of failure of air pollution control equipment.
7. The industry shall provide permanent water sprinklers at the coal / Iron ore crusher area, feed belt conveyors area, RM stock house area, cooler discharge belt area, ESP area within one month.
8. The industry shall provide activation recorder with the recording facility to the After Combustion Chamber (ABC) cap within one month.
9. The industry shall lay concrete or asphalt internal roads within 2 months to avoid fugitive dust emissions.
10. The industry shall develop and maintain 33% green belt of the total area in the premises.
11. The industry shall submit Bank Guarantee of Rs. 5 Lakhs valid for one year within 10 days towards the compliance of above directions.
12. The industry shall ensure the validity CFO of the Board and ensure continuous compliance of the CFO conditions issued by the Board.

 MEMBER SECRETARY  3
The implementation progress of the above directions shall be reported to RO, Kurnool and

C. S., the Secretariat, shall develop a mechanism which ensures that the boundary of the
district.

7. The industry shall keep an integrated database for consumers, water quality screens and
the downstream area.

6. The industry shall ensure regular cleaning and wetting of the ground to prevent
monsoon

5. The industry shall provide water management works like internal roads within
2
months

4. The industry shall operate the water treatment plant continuously and shall provide
the necessary facilities to record the quantity of water consumption for their
process.

3. The industry shall provide meet the need of the consumer within the plant.

2. The industry shall provide an immediate stop of operation of the Board for

1. The industry shall provide an immediate stop of operation to the Board for

unit.

Recommendations:

- Provided the report of the pollution control systems shall be submitted with the report of the pollution control systems.
- Provided the report of the pollution control systems shall be submitted with the report of the pollution control systems.

After detailed review, the Committee recommended to issue Rejection of Closure Order

District:

M/s Sri Vishaya Stone Crusher, Sy.No.25, Chetemapalaram (V), Kallur (M), Kurnool

RO, Kurnool has issued closure order to the Stone Crusher on 25.02.2018.

The Committee after detailed discussions, recommended to close RO, Kurnool to

Minutes of the Task Force Committee Meeting held on 27.2.2018
4. M/s. Sri Varsha Food Products India Ltd., Sy.No.47/2 to 47/10, 52/1 to 52/7, 57/9, 57/13, 54/1 & 56 etc. Thukivakam (V), Renigunta (M), Chittoor District.

The representatives of the industry attended the legal hearing. The Committee noted that the Zonal Office, Kurnool has issued Closure order to the industry on 01.07.2017 for not meeting discharge standards and for not having functional ETP and discharging untreated effluents outside the industry premises. The EE, RO, Tirupati has informed that during inspection the industry is not in operation and observed that the industry has installed scrubber, screw conveyor, MBBR in addition to the existing ETP for meeting the Board discharge standards. The industry is proposing to provide lining to the unlined lagoon located in the industry premises adjacent to the ETP. The industry has taken 25 acres of land on lease basis for utilization of treated water. The treated water will be transported through tankers and used for irrigation purpose in the 25 acres. It was also informed that the industry has installed 2 x 6 TPH boiler without obtaining CFE / CFO of the Board.

The representative of the industry informed that they are in the process of upgrading the existing ETP by adding scrubber screw conveyor, Moving Bed Bio Film Reactor (MBBR) to meet the Board discharge standards and it will be completed by the end April’2018. It was also informed that they will construct the lined platform with leachate collection system for drying mango stones & peels. They will apply for CFE/CFO of the Board within one week for 2X6 TPH Boilers. It was requested to issue revocation of closure order.

Recommendations:

After detailed review, the Committee recommended to issue Revocation of Closure Order for a period of one year with following directions to stone crusher unit:

1. The industry shall complete the process of up-gradation of the Effluent Treatment Plant for treatment of waste water generated at their premise to comply with prescribed discharge standards by end of March, 2018.
2. The industry shall apply for CFE/CFO of the Board for boiler of 2 X 6.0 TPH capacity within one week.
3. The industry shall install flow meters with totalizer to record the fresh water consumption and shall furnish the consolidated water consumption to EE, RO, Tirupati.
4. The industry shall utilize the treated effluent on their leased land for onland irrigation/greenbelt development. The industry shall communicate the details of tankers lifted to RO, Tirupati on daily basis through e-mail.
5. The industry shall construct covered shed for storage of dried seeds and peels within one month.
6. The industry shall not discharge any treated/untreated effluent outside the premises other than that leased area under any circumstances.
7. The industry shall install ultra filtration system and leachate collection system within 2 months for drying area where peels and seeds are dried.
8. The industry shall develop thick green belt all along the periphery within the plant premises within the ensuing monsoon season.
9. The industry shall ensure continuous compliance of the conditions stipulated in the CFO&HWA order obtained from the Board.


The representatives of the industry attended the legal hearing. The committee noted that the Board received complaints during Jannmahboomi program against the industry regarding air pollution problems during the night time and morning time and non-compliance of consent

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conditions & Board directions. The Committee also noted that industry is not operating the air pollution control equipment attached to the furnace and by-passing the emissions through the emergency stack provided at the top of the furnace and causing air pollution problems to the surroundinghabitants. The EE, RO, Vizianagaram has informed that the online monitoring system data is not being displayed in the website implying that the system attached to the furnace is not working, not provided CAAQM stations, not provided data logger system, not provided interlocking system between APC equipment and raw material feeding system.

The representative of the industry informed that during the inspection, the dampers were repaired, so emissions are by-passed and it will be completed by end of this month. It was informed that the online data is not uploading to the APPCB site, due to changing of existing software and server by APPCB. It was also informed that they install permanent online stack analyzers and it will be completed within six months. They provided data logger system for the Furnace chimney and provided interlocking system between air pollution control system and Raw material handling system and furnace.

Recommendations:

After detailed review the Committee recommended to issue the following directions:

1. The industry shall immediately rectify/upgrade the air pollution control equipment and ensure the continuous compliance of Emission standards prescribed by the Board. The industry shall not by-pass the emissions from the pollution control equipments.
2. The industry shall provide separate energy meters to all the air pollution control equipments within 2 months and shall maintain records on energy consumed to operate the equipments.
3. The industry shall calibrated continuous online stack monitoring systems for stack within 2 months and connect the same to the APPCB website and report the compliance to RO, Vizianagaram.
4. The industry shall provide CAAQM stations within 2 months and connect the same to the APPCB website and report the compliance to RO, Vizianagaram.
5. The industry shall provide online stack analyzer for emergency stack within 2 months.
6. The industry shall provide mechanical dust suppression system with permanent water sprinklers network all along the internal roads and raw material storage yards within one month. The industry shall provide flow meters with totalizer facility to quantify the water consumed for dust suppression system and shall maintain the records.
7. The industry shall properly maintain roof extraction system connected to air pollution control system to control the emissions generated from the furnaces.
8. The industry shall provide data logger system to record the emergency damper openings, duration and running hours of the APC within one month.
9. The industry shall concrete or asphalt the internal roads and work area within 3 months.
10. The industry shall provide closed sheds for the storage of raw materials within 3 months to avoid fugitive emissions.
11. The industry shall develop and maintain thick greenbelt all along the boundary of the industry premises to achieve minimum 33% of the total project site.
12. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

The Committee after detailed discussions, recommended to direct EE, RO, Vizianagaram to inspect the industry and conduct stack Monitoring and Ambient Air Quality Monitoring and furnish the detailed report along with analysis reports to Board Office.

[Signature]

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The representatives of the industry attended the legal hearing. The committee noted that the Board received complaints from surrounding villagers against the industry on odour nuisance. The Committee also noted the non-compliance of consent conditions of Board. The EE, RO, Vizianagaram has informed that the industry has not provided flow meters for boiler blow down & cooling tower blow down and domestic effluents. It was informed that the industry has not operating MEE properly. It was also informed that during inspection odour nuisance observed and most of public complaints received against the industry on odour nuisance. The Committee instructed the management to identify the possible sources of odour and initiate necessary action for control of odour nuisance and improve the house keeping near boiler house, cold storage area and ETP area.

The Representative of the industry informed that they will install flow meters at boiler blow down & cooling tower blow down and domestic effluents within one month. It was informed that the analyzer of VOC are calibrated at regular frequencies. They have also got the analysis done with portable analyzer by 3rd party. They provided 3 No.s CAAQM stations as per directions of MoEF and also 2 No.s of VOC meters provided at critical places as per wind rose diagrams. It was also informed that the industry had followed the advice of the Board by employing IIT, Chennai for study of the soil and water contamination. During the course the soil samples were taken for analysis and as advised by IIT, Chennai the contaminated soil was removed and sent to TSDF, Visakhapatnam for disposal.

Recommendations:

After detailed review, the Committee recommended to issue the following directions:

1. The industry shall provide gas analyzer and gas flow meter to assess the characteristics and quantification of process emissions being incinerated within one month.
2. The industry shall regularly calibrate CAAQM to give representative VOC values and Report compliance to RO, Vizianagaram.
3. The industry shall immediately dispose off Hazardous Waste to TSDF, Visakhapatnam and report the compliance to Vizianagaram.
4. The industry shall further identify the possible sources of odour and initiate necessary action for control of odour nuisance within 2 months.
5. The industry shall provide proper detoxification facility for detoxification of containers & container liners before disposing to outside agencies as the industry is handling large number of containers & container liners within one month.
6. The industry shall install magnetic flow meters with totaliser for measuring actual quantity of fresh water consumption and waste water generation within one month. They shall maintain log registers.
7. The industry shall provide flow meters for boiler blow down & cooling tower blow down and domestic effluents for the same to quantify the total effluent being treated in ETP within one month. They shall maintain log registers.
8. The industry shall maintain records for generation and disposal of process liquid residue (organic) and distillation bottom residue separately.
9. The industry shall regularly operate Ammonia Stripper and shall implement all require measures to avoid odour nuisances.
10. The industry shall maintain records for generation and disposal of ETP sludge, Inorganic salts from Rotary kiln and Incineration ash separately & the monthly records shall be communicated to RO, Vizianagaram and ZO, Visakhapatnam.
11. The industry shall improve the house keeping near boiler house, cold storage area.
12. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

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The representatives of the industry attended the legal hearing. The committee noted that the storm water drain existing adjacent to the ETP is containing stagnated untreated effluents indicating that the untreated effluents/runoff from the ETP area joined the drain. The Committee also noted the non-compliance of Consent conditions. The EE, RO, Vizianagaram informed that water consumption, effluent generation is observed to be exceeding the consented quantities. Treated effluent is being stored in the lagoons before utilization for onland irrigation and not maintained housekeeping within the premises.

The Representative of the industry informed that during the inspection, the plant is breakdown due to turbine problem and the plant was become un-functional for 5 days and water stagnated in ETP tanks including Lagoon was appeared in septic condition and values little bit higher to Board’s standards. All actions have been taken to functionalize the ETP after 5 days and the effluents are being treated. It was informed that the production is stopped for 5 days, the ETP tanks are cleaned and removed the slurry deposited in the tanks. The wash water entered stagnated rain water in terms it joins cheruvu. The rain water drains are being connected to rain water harvesting pit. They will rectify storm water drains within one month and maintained good housekeeping in the plan: premises.

Recommendations:
After detailed review the Committee recommended to issue the following directions:

1. The industry shall regularly operate Effluent Treatment Plant to treat the effluents to meet Board discharge standards and maintain log registrars.
2. The industry shall install magnetic flow meters with totaliser for measuring actual quantity of fresh water consumption and waste water generation within one month. They shall maintain log registers.
3. The industry shall regularly operate scrubber attached to the sulphur plant.
4. The industry shall provide the online Bio-Assay testing facility within one month.
5. The industry shall not discharge any waste water outside the factory premises under any circumstances.
6. The industry shall maintain records for daily production details, Hazardous/non-hazardous solid waste generated and disposed.
7. The industry shall regularly operate air pollution control equipment and maintain records.
8. The industry shall store the husk & husk ash in closed rooms only.
9. The industry shall not cause any air pollution / odour nuisance in the surrounding environment.
10. The industry shall maintain good housekeeping within the industry premises.
11. The industry shall develop and maintain thick greenbelt all along the boundary of the industry premises to achieve minimum 33% area of the total project site.
12. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

The representatives of the industry attended the legal hearing. The Committee noted that the Board received telephonic complaints during the last week of December, 2017 and 1st week of January, 2018 regarding the illegal dumping of Hazardous waste at Pharmacy colony, Parawada, Visakhapatnam. The RO officials, Visakhapatnam inspected the area and observed that about 60 Tons of Hazardous waste was found within 100 m radius in hilly area.

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of JN Pharmacity colony. The RO officials have enquired the villagers and shopkeepers in the surrounding area about truck / tractor movement if any in the area during the night times. The shopkeepers informed that during the night time some of the trucks disposed the waste in that area. The RO officials requested the surrounding villagers and shopkeepers to intimate the vehicle numbers of the trucks for taking further action. The committee also noted the non-compliance of consent conditions and Board directions. The AEE, RO, Visakhapatnam attended the meeting and informed that during the inspection, the industry was not in operation. It was informed that the industry is disposing tank bottom sludge to recyclers. The records pertaining to disposal of tank bottom sludge to recyclers were verified. As per the records, the industry has disposed the waste to the traders viz., M/s. Santoshi Mathadevi organics, Visakhapatnam M/s. Ramakrishna Lubricants, M/s. Rukmini Enterprises & M/s. Lakshmi Ganapathi Enterprises. Out of 4 traders, 3 traders are having permission of APPCB and M/s. Santoshi Mathadevi organics is not having CFO & HWA of the Board. They contacted M/s. Ramakrishna Lubricants and enquired about the waste received by their industry. 5 no. of samples were collected from M/s. Biomax Fuels Ltd., and requested M/s. Ramky Pharmacity to analyze the samples and compare the results with the illegal dump samples. The waste bags packing are similar to the waste disposed at Pharma colony, Visakhapatnam. It was observed that bags of 32 to 40 tons of waste are available within the premises for disposal. M/s. Ramky Pharmacity informed that they have lifted the waste on 10.01.2018 and the total waste lifted to TSDF is 64.07 MT.

The representative of the industry informed that the plant is not in operation due to fire accident on 26.02.2016. While discarding burnt tanks bottom material, they disposed to authorized agencies for use in soap making. They will take all the steps to ensure that the above issue will not repeat in future. They will strictly ensure to disposal of material to authorized agencies and will also ensure that the material will be used for the authorized end use only. It was also informed that they upgraded Effluent Treatment Plant I.e., Screen chamber and Oil skimmer of 40 KL capacity. High capacity blowers arranged to aeration tank, all the ETP tanks were coated with FRP to avoid seepages and Rain water collection ponds & storm drains were constructed. They installed Two Stage Scrubber and it is in working condition, being utilized when production starts.

Recommendations:

After detailed review the Committee recommended to issue the following directions:

1. The industry shall stabilize the Effluent Treatment Plant well before the commencement of production and shall operate the same continuously to treat the effluents to meet the Board standards.
2. The industry shall dispose off solid waste strictly adhering to disposal options mentioned in the Consent Order and maintain records.
3. The industry shall not discharge any waste water / effluents outside the industry premises.
4. The industry shall ensure that there shall not be any oil spillages near storage tanks and shall clear oil spillages occurred near storage tanks during fire accident for further treatment.
5. The industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to RO, Visakhapatnam.
6. The industry shall not cause any air/water/odour/noise pollution problems in surrounding environment.
7. The industry shall submit the Bank Guarantee of Rs.3 Lakhs within 15 days for period of one year validity towards compliance of Board directions.
8. The lifted waste lying at TSDF, Visakhapatnam should be disposed off at the cost of the unit.
9. The industry shall ensure the validity CFO of the Board and ensure continuous
compliance of the conditions issued by the Board.


The representatives of the industry attended the legal hearing. The Committee noted that the Zonal Office, Visakhapatnam has issued stop production order to the industry on 09.02.2018 until the unit upgrades the Effluent Treatment Plant (ETP) to meet the Board standards. The AEEO, RO, Visakhapatnam has informed that the industry is not in operation since stop production order issued. They informed that the industry rectified the existing ETP and performance of the ETP to be evaluated once it is in operation after plant resuming the process operations.

The representative of the industry informed that they closed the discharge of effluents into the drain. They laid the pipeline with sprinklers for using the treated effluents for onland application i.e greenbelt development in the premises. It was also informed that they stopped the production and rectified the existing ETP and issued work order to upgrade the existing ETP from 100 KLD to 150 KLD. They requested to issue revocation of stop production order, as they have rectified the lapses communicated by the Board.

Recommendations:

After detailed review, the Committee recommended to issue Revocation of Stop Production Order for period of one year with following directions to industry:

1. The industry shall upgrade the ETP from 100 KLD to 150 KLD as committed by the management within 3 months. The implementation progress on up-gradation of ETP shall be reported to ZO, Visakhapatnam and RO, Visakhapatnam every month.
2. The industry shall not discharge any type of effluents outside the premises under any circumstances.
3. The industry shall install flow meters for fresh water consumed for different purposes & at inlet and outlet of ETP and shall maintain records as per the Consent order conditions.
4. The industry shall not increase the capacity beyond the permitted capacity mentioned in the Consent Order of the Board.
5. The industry shall take necessary measures for control of smell nuisance.
6. The industry shall maintain good housekeeping in the industry premises.
10. The industry shall submit the Bank Guarantee of Rs.2 Lakhs within 15 days for period of one year validity towards compliance of Board directions.
7. The industry shall ensure the validity CFO of the Board and ensure continuous compliance of the conditions issued by the Board.

The Committee also recommended to direct EE, RO, Visakhapatnam to inspect the industry after stabilization of ETP and conduct effluent monitoring and furnish detailed report along with analysis reports for further extension of revocation of stop production order.

10. M/s. Parry Sugars Refinery India Pvt. Ltd., (Formerly M/s. Silkroad Sugars Pvt. Ltd.), Beach Road, Vakalapudi (V), Kakinada Rural (M), East Godavari District.

The representatives of the industry and attended the legal hearing and complainant did not attend the legal hearing. The committee noted that the Board received a complaint through District Collector filed by Sri. Suri Babu, Vakalapudi, Suryaraopeta, Kakinada regarding discharge of waste water through storm water drain during night time. Discharge of sludge along with water is causing water pollution to the nearby creak existing just beside the industry boundary leading to pollution of creak, thereby decreasing availability of fish in the creak, affecting the livelihood of fishermen community. The committee also noted the non-compliance of Board directions and consent conditions. The EE, RO, Kakinada attended the meeting and informed that the industry is storing untreated effluents in tankers 16 nos.
obtained from outside agencies. It was informed that huge quantity (about 300 Tonnes) of wet process sludge stored in a shed near the drier area, indicating that the industry has not been operating the drier continuously. The unit has not been maintaining log books pertaining to process sludge generation, sludge dried in Drier and its disposal. Many loose pipes were observed in the ETP area, one of the pipe is connected with a valve near the boundary wall. The Valve was opened and black untreated effluent was observed flowing.

The representative of the industry informed that they provided separate energy meter for drier and installed IP camera for monitoring operation. They provided storm water drain near the sludge handling and ETP area. They also provided dust suppression through sprinklers near coal storage shed. Water sprinkling arrangement near the coal storage road. It was further informed that they provided the containers detoxification facility

Recommendations:

After detailed review the Committee recommended to issue the following directions:

1. The industry shall increase the capacity of ETP to meet Board's standards. There shall not be any overflow/surface runoffs of the effluents.
2. The industry shall maintain digital flow meters at inlet of ETP, outlet of ETP, RO inlet, RO permeate, inlet of MEE and maintain daily records of meter readings.
3. The industry shall operate drier continuously.
4. The industry shall provide proper leachate collection system to the solid waste stockyard and connect to same ETP to treat the leachate generated in the area.
5. The industry shall maintain water sprinklers with nozzles near the coal shed area to control the dust.
6. The industry shall maintain dust extraction system with Bag filters at transfer points and crusher house.
7. The industry shall immediately dispose off the solid waste adhering to the disposal option mentioned in the consent order and maintain records. The consolidate records shall be furnished to ZO, Visakhapatnam and RO, Kakinada every month.
8. The industry shall not store the treated/untreated effluents in tankers (vehicles).
9. The industry shall provide and maintain storm water drain properly.
10. The industry shall not discharge any type of effluents outside the premises under any circumstances.
11. The industry shall take necessary measures to avoid smell and dust nuisance.
12. The industry shall maintain good housekeeping in ETP area and plant.


The representatives of the Industry and complainant attended the legal hearing. The committee noted that the Board received telephonic complaint from Sri V.Chinna Rao, R/o.Suryaraopeta, Kakinada Rural, East Godavari District regarding odour nuisance due operation of the industry and also complainant received from District Collector, East Godavari to take action against the industry. The Committee also noted that the industry has been using un-consented raw materials such as Tallow Oil/Animal fat as raw material to produce Bio Diesel, instead of using styrene/by-product from refined palm oil manufacturing process as raw material. The EE, RO, Kakinada attended the meeting and informed that the industry vide letter dated 22.05.2014 requested the Board for amendment of CFO for addition of new feed stocks such as animal fat and used cooking oils for manufacturing of Bio Diesel. But the Board has not considered the request of the unit as habitation is nearby the unit and processing of animal fat causes odour nuisance to the habitation. It was also informed that heating of animal fat procured in 3 Nos. of lorry tankers using steam coils was under process openly and emission of animal fat fumes from the tankers was also observed,
which were causing severe odour nuisance in the surrounding areas. It was further informed that the industry not operating Effluent Treatment Plant properly, not provided Multiple Effect Evaporation, no: provided separate energy meters, not provided water meters and not maintained housekeeping at industry premises. It was further informed that the SPM values are exceeding the Board’s standards.

Recommendations:

After detailed discussions, the Committee recommended to issue Stop Production Order to the industry for using un-consented raw materials such as Tallow Oil/Animal fat as raw material to produce Bio Diesel, instead of using styrene/by-product from refined palm oil manufacturing process as raw material thereby causing odour nuisance in the surrounding area and not complied with the Consent conditions; the analysis reports of effluent samples and stack monitoring samples collected from the industry revealed that the values of parameters are exceeding the Board’s standards.

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   I. M/s. Sri Surya Chandra Metal Traders, R.S.No. 315/2,3, Duddukuru(V), Devarapalli(M), West Godavari District.
   II. M/s. Padma Metal Traders, R.S.No.315/3, Duddukuru(V), Devarapalli (M), West Godavari District.
   III. M/s. Sri Devi Leela Kanakeswari Stone Crusher, R.S.No. 315/3, Duddukuru(V), Devarapalli(M), West Godavari District.
   IV. M/s. Sri Satya Sainadh Stone Crusher, R.S.No. 315/3, Duddukuru(V), Devarapalli (M), West Godavari District.
   V. M/s. Satya Vamsi Stone Crushre, R.S.No. 315/3, Duddukuru (V), Gowripatnam (M) West Godavari District.

The representatives of the industry attended the legal hearing. The Committee noted that the Zonal Office, Visakhapatnam has issued Closure order to the stone crusher on 12.01.2018 for not providing adequate air pollution control measures and causing air pollution problems in the surrounding area. The committee also noted that the compliance of the Board directions. The EE, RO, Eluru attended the meeting and informed that the industry has provided the air pollution control systems to minimize the air pollution in the surroundings. The representative of the stone crushers informed that they provided water sprinkling systems to control fugitive dust emissions. He informed that G.I sheet cladding was provided to the jaw crusher, vibrating screen and closed bunker for collection of stone dust. They assured that they will complete laying of metal road within their premises within 2 months. Hence requested to consider and issue revocation of closure order, as they have complied many of the directions issued by the Board.

Recommendations:

After detailed review, the Committee recommended to issue revocation of closure order with the following directions to stone crushers:

1. The Stone Crusher shall operate the unit with valid CFO of the Board.
2. The Stone Crusher shall provide wet suppression system as implemented in M/s. Lakshmi Prasanna Stone Crusher, Decherla (V), Kovvur (M), West Godavari District and other dust containment measures in consultation with National Productivity Council within one month.
3. The stone crusher shall provide sheet covering for the conveyor carrying stone dust.
4. The Stone Crusher shall continuously operate the air pollution control equipment so as to achieve the standard of 600 µg/m³ for SPM measured at a distance of 3 to 10 mtrs.

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5. The stone crusher shall operate water sprinkling systems continuously and shall provide flow meters with totalizer to record the quantity of water consumption for dust suppression at industry premises within one month.
6. The Stone Crusher shall provide wind breaking walls & internal metal roads within 2 months.
7. The stone crusher shall carry out regular cleaning and wetting of the ground to prevent the dust spreading to the surrounding areas.
8. The Stone Crusher shall keep intact cladding provided for crushers, vibratory screens, and elevated closed dust tank for collection of dust.
9. The Stone Crusher shall spray water during loading and unloading of finished material and dust.
10. The Stone Crusher shall ensure that total premises including ramp area and approach road is always in wet condition.
11. The Stone Crusher shall not operate from 5 P.M to 5 A.M of next day.
12. The Stone Crusher shall ensure continuous compliance of the conditions stipulated in CFO order issued by the Board.

17. M/s. G.S. Alloy Castings Ltd., Unit-II, Sy.No.208/1C, 208/2, 212/1C, Surampalli (V), Gannavaram (M), Krishna District.

The representatives of the industry attended the legal hearing. The Committee noted that an accident took place due to blown out of molten metal at about 1500°C from the 12T capacity induction furnace on 06.01.2018 at 5.20 PM causing air pollution in the surrounding area. The Zonal Office, Vijayawada has issued stop production order to industry on 07.01.2018 for fire accident occurred and causing air pollution in the surrounding area. The representative of the industry requesting for revocation of stop production order and permit to operate the furnace, stating that they have taken safety precautions and issued required instructions to the men working at furnace for properly charging the material in the furnace. They also informed that they implemented all precautions and will not repeat such incidents in future at the industry. Finally, it was requested to revoke the stop production order and permit to operate the furnace.

Recommendations:

After detailed review, the Committee recommended to issue revocation of stop production order with the following directions to industry:

1) The industry shall operate air pollution control equipment continuously and maintain the records.
2) The industry shall take all required safety precautions near the furnace and while charging the raw material to avoid such accidents in future.
3) The industry shall ensure continuous compliance of the conditions stipulated in CFO order issued by the Board.

18. Imitation Jewellery Industries (3 Nos.), Pothepalli (V), Machilipatnam (M), Krishna District.

1. M/s. Teja Sree Gold Covering Works, Plot No.424, Jewellery Park, Pothepalli (V), Machilipatnam (M), Krishna District.
2. M/s. Hanna Guilt Mestry, Plot No.486, Jewellery Park, Pothepalli (V), Machilipatnam (M), Krishna District.
3. M/s. Vijayalakshmi Dyes Works, Plot No.472, Jewellery Park, Pothepalli (V), Machilipatnam (M), Krishna District.

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The representatives of the industry attended the legal hearing. The committee noted that the Board issued closure order to 22 No.s of imitation Jewellery industries for operating without obtaining CFO order of the Board and not tied-up to CETP Machilipatnam Jewellery Park. The Committee also noted the status of the compliance of Board directions and 16 no.s of units were already issued with revocation of closure orders. The EE, RO, Vijayawada has informed that 19 no.s of units out of 22 no.s of units have tied up with CETP, Machilipatnam Jewellery Park and sending their effluent to CETP. The EE, RO, Vijayawada has informed that the 2 no.s of units (M/s. Teja Sree Gold Covering Works & M/s. Hanna Guilt Mistry) have applied CFO order of the Board. He also informed M/s. Vijaya Lakshmi Dies Works, was not carrying out electroplating activities in the premises which does not require CFO of the Board. He also further informed that M/s. Bhanu Prakash Sheet & Wire, Plot No. 394 has not tied up with CETP and not obtained CFO order of the Board. They informed that M/s. Ajmeeri Screens, Plot No. 375 & M/s. Devi Sri Jewellery Works, Plot No. 473 have closed the operation.

**Recommendations:**

The Committee after detailed review, recommended to issue revocation of closure order with following directions to 3 No.s of units:

1. The Electroplating small units shall send the waste water to Common Effluent Treatment Plant (CETP), M/s. Machilipatnam Imitation Jewellery Park Pvt. Ltd., Potheppalli (V), Machilipatnam (M), Krishna District.
2. The Electroplating small units shall not discharge any treated / untreated effluents outside the industry premises under any circumstances.
3. The industry shall ensure continuous compliance of the conditions stipulated in the CFO order obtained from the Board.

In view of the above, the committee has recommended to inform the ZO, VJA to issue revocation of closure order to the following 3 No. of electroplating units operating at Jewellery Park, Potheppalli (V), Machilipatnam (M), Krishna District:

1. M/s. Teja Sree Gold Covering Works, Plot No. 424, Jewellery Park, Potheppalli (V), Machilipatnam (M), Krishna District.
2. M/s. Hanna Guilt Mistry, Plot No. 486, Jewellery Park, Potheppalli (V), Machilipatnam (M), Krishna District.
3. M/s. Vijayalakshmi Dies Works, Plot No. 472, Jewellery Park, Potheppalli (V), Machilipatnam (M), Krishna District.

19. **M/s V S N Laboratories Pvt Ltd., Plot No.29 & 30, Tirumalagiri (V), Jaggaiahpet (M), Krishna District.**

The representatives of the industry and complainant attended the legal hearing. The Committee noted that the Adverse news items appeared in “Eanadu” with caption of “Rasayana Vyadhulu” dt. 03.12.2017 & “Garalaganga...theeradhe benga” dt. 22.01.2018 reported that due to discharge of industrial waste water causing ground water pollution at industrial estate, Jaggaiahpet. The Committee also noted that the industry has not operating MEE system and not maintaining any records for hazardous waste (Evaporation salts) generation and disposal. The Committee also further noted the status of compliance of Consent Conditions issued by the Boar.

The EE & AEE, RO, Vijayawada have attended the meeting and they informed that during the inspection the production details records was not available at the plant and the person who accompanied was not able to show the production details, Hazardous waste details etc.. It was informed that the industry has not provided separate energy meter to MEE; not provided online pH meter to the scrubber provided for process block; not provided containers detoxification facility; not provided continuous online VOC monitoring system; not maintaining records on source of
intermediates for each product wise. It was also informed that during the inspection the HTDS sample collected and analysis reports reviled that the values of parameters are exceeding the Board’s standards. They informed that Effluent patches were observed in the vacant plot adjacent to the industry. There was an opening in the compound wall towards Eastern side i.e towards vacant plot nearby boiler, through which the effluent said to be discharged on land. The Complainants have informed that the industry is discharging the treated/untreated effluent into vacant plot during night time and causing ground water pollution in the area.

The Committee asked the industry that they shall submit the commitment that they have stopped all the production activities until they rectify the lapses. Accordingly, the industry submitted the commitment that they stopped their production activities and will start the operations after rectification of lapses and inform the Board.

Recommendations:

After detailed discussions, the committee decided to recommend to issue the following directions:

1. The industry shall stop all industrial operations till the completion of the up-gradation of air pollution control systems / implement of required pollution control systems as per commitment submitted by the industry vide letter dt.
2. The industry shall provide separate energy meters to MEE.
3. The industry shall provide online pH meter to the scrubber attached to process blocks.
4. The industry shall provide containers detoxification facility and the waste water shall be diverted to ETP.
5. The industry shall provide continuous online VOC monitoring system.
6. The industry shall maintain records on source of intermediates for each product wise (ER-1 Central Excise Returns), log books for pollution control systems and manifest copies of Hazardous waste.
7. The industry shall maintain electromagnetic flow meters with totalizers for water and effluent quantity measurements for different streams of effluents and different categories of water usage.
8. The industry shall operate Multiple Effect Evaporation system continuously.
9. The industry shall dispose off Hazardous waste as per disposal options mentioned in the Consent order dt 13.01.2016 and maintain records for generation and disposal.
10. The industry shall develop thick green belt all along the boundary of the industry to maintain 33% of total project area.

The Committee also recommended to direct EE, RO, Vijayawada to inspect the industry and collect ground water samples within the premises and near vacant plot where effluent said to be discharged from the industry. He is also directed to furnish detailed inspection report covering air pollution, water pollution and solid waste disposal along with analysis reports of effluent/stack/ground water monitoring.

20. M/s Jaypee Balaji Cement Plant, (a Unit of Jaypee Cement Corporation Ltd.,) Cement Plant, Budawada Village, Jaggayyapet Mandal, Krishna District

The representatives of the industry attended the legal hearing and the complainants did not attend the legal hearing. The Committee noted that the Board received complaint from Sri. Gugulothu Srinu, Budawada (V), Jaggaiahpet (M), Krishna District in Meekosam Complaint No.20176-132719387 and non-compliance of consent conditions and Board directions. The EE, RO, Vijayawada has attended the meeting and he informed that the industry has provided Air Pollution Control Equipment i.e. RABH to the kiln and it is working satisfactorily. He further stated that the air pollution control equipment i.e. ESP attached to cooler was observed to be not working properly and lot of dust emissions from the stack attached to the Cooler during inspection. It was informed that the raw materials like Lime stone, Coal, Laterite are stored openly in the premises. Lot of fugitive emissions observed from raw

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material storage area, Coal handling area, packing section and fly ash & cement silos. It was also informed that the Complainant’s agricultural land is existing adjacent to the industry, nearer to cement silos. Lot of dust was observed on the leaves of the complainants agricultural land where Mirch & Tomato crops were raising.

The representative of the industry informed that during the inspection, the Air Pollution Control Equipment disturbance was occurred in the kiln and thereby causing dust emissions for short duration. There is an interlock to stop kiln automatically. They informed that damaged Bags have been replaced (200 no.s) for Coal Mill & Cement Mill. All the raw material storage systems are provided with GI Sheet covering. The industry proposed to lay concrete roads and it will be completed by end of May, 2018. Meanwhile they will provide hired vacuum cleaning system to clean the roads of entire plant. Frequency on wetting roads has been doubled presently. They operated STP on regular basis and the treated water are being used for Green Belt development in around plant and township area. They installed flow meters to quantify the effluent treated water utilized for green belt development. It was also informed that they proposed to construct storage sheds for raw materials and it will be completed by end of June, 2018.

Recommendations:

After detailed review, the Committee recommended to issue the following directions:

1. The industry shall always maintain the air pollution control equipment intact in good condition and continuously operate the same to control the emissions, so as to meet Board’s standards.
2. The industry shall expedite plan of action to comply with revised emission standards prescribed by the MoEF & CC, GoI through notification dt.10.05.2016 for cement plants.
3. The industry shall closely monitor the stack emission and CAAQM data and shall take immediate corrective action to ensure compliance of the prescribed standards.
4. The industry shall expedite construction of closed sheds of adequate capacity to store coal & other dusty raw materials under roof and shall provide MDSS to contain fugitive dust emissions from transit storage of these raw materials within 2 months.
5. The industry shall not store coal & other dusty raw materials openly, under any circumstances.
6. The industry shall concrete internal roads in the plant to avoid the fugitive dust emissions within 3 months.
7. The industry shall operate STP regularly & the treated water shall be utilized for plantation purposes within the premises.
8. The industry shall develop green belt in all vacant areas.
9. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

21. M/s. Kanakadurga Plastics & General Traders, Plot No.252, Block No.9, 1st Road, Auto Nagar, Kanuru, Vijayawada Rural, Krishna District.

The representatives of the industry attend the legal hearing. The Committee noted that the RO, Vijayawada received a complaint over telephone on 03.02.2018 regarding illegal transport of hazardous waste material and recycling of plastic waste. The committee also noted that used plastic liners contaminated with hazardous chemicals from M/s. Aurobindo Pharma, Pudibhimavaram, Srikakulam District are received by M/s. Kanakadurga Plastics & General Traders, Plot No.252, Block No.9, 1st Road, Auto Nagar, Kanuru, Vijayawada Rural, Krishna District. The above plastic liners containing traces of hazardous chemicals emanating un-bearable and pungent odour to the surroundings.

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The proprietor of M/s. Kanakadurga Plastics & General Traders informed that they are maintaining records pertaining to the receipts of these plastic liners getting from M/s. Aurobindo Pharma, Pydibhimavaram, Srikakulam District. But, copies of waybills produced during verification by him in Form-10 of Commercial Tax Department Government of Andhra Pradesh are in the name of M/s. Manikanta Enterprises, D.No.27-63, NH-5 Road, Beside Poultry Farm, Pathivadapalem Post, Ranasthalam (M), Srikakulam District. He stated that the used plastic liners contaminated with hazardous chemicals will not be taken in future from any industry.

Recommendations:

After detailed review, the Committee recommended to direct EE, RO, Vizianagaram to inspect M/s. Aurobindo Pharma, Pydibhimavaram, Srikakulam District on Hazardous Waste generation, storage, disposal and carryout detailed monitoring of Air, Water & Hazardous waste and furnish report along with analysis reports within 15 days for further review.

The representative of M/s. Kanakadurga Plastics & General Traders maybe directed not to receive/collect/handle any material contaminated with Hazardous waste/chemicals.

22. 4 No.s of Hot Mix Plants (Cluster) Operating at Sy. No. 421, Perecherla (v), Medikonduru (m), Guntur District.

The representatives of M/s. Modern Construction attended the legal hearing and remaining representatives of 3 industries have not attended. The committee noted that Sri J. Sudhakar R/o. Perecherla Village, Medikonduru Mandal, Guntur District has represented to the Board in the month of January, 2017 and a complaint was also filed through 'MEEKOSAM' web portal regarding air pollution problems being caused from the cluster of hot mix plants operating at Perecherla Village, Medikonduru (M), Guntur District thereby causing health problems and crop damage to the mango gardens abutting the cluster of hot mix plants and complaint was also filed a case before Hon'ble Institution of Lokayuktta for the state of Telangana and Andhra Pradesh, Hyderabad through complaint No. 2165/2017/B2 filed by Sri KVR Shivramprasad, Guntur, Andhra Pradesh with regard to pollution problems from the hot mix plants cluster operating at Perecherla, Medikonduru Mandal, Guntur District. The committee also noted that the Hot Mix Plants (Crusher) are operating without obtaining CFE & CFO from the Board and the hot mix plants are under operation without implementing adequate air pollution control measures.

The EE, RO, Guntur has informed that the nearest habitation to the hot mix plants cluster is Dharga Centre colony (MGR colony) existing at a distance of about 200 Meters; One Government School & Cricket stadium are existing at a distance of about 200 meters.; A Dharga is located at a distance of about 110 metre and the Perecherla junction (habitation) is located about 500 metres from the cluster. The mango gardens of complainant Sri J. Sudhakar is existingat about 50 meters towards south of the hot mix plants cluster. It was informed that M/s. Prudhvi Constructions Pvt Ltd, M/s. Vara Lakshmi Constructions, & M/s. Sri Sainath Constructions, Sy.No.463/1,464, Perecherla Village, Medikonduru Mandal, Guntur District have been shifted to another place. M/s. Modern Construction, Perecherla, Medikonduru Mandal, Guntur District is operating without obtaining CFE/CFO of Board and not implementing adequate air pollution control measures. It was also informed that during inspection, thick smoke observed from the chimney and the fugitive dust emissions are generating from vehicle movement on unpaved roads and stone aggregate handling at the premises.

Recommendations:
After detailed review, the Committee recommended to issue **Closure Order** to M/s. Modern Construction, Perecherla, Medikonduru Mandal, Guntur District for operating without obtaining CFE/CFO of the Board and not implementing adequate air pollution control measures thereby causing air pollution problems to surrounding areas.

### 23. 22 No. of cashew processing units located at Vetapalem, Prakasam District.

The representative of the attended unit said the legal hearing. The committee noted that the Hon'ble Supreme Court of India in W.P.No.375 of 2012 has given directions that the industry shall only operate with CFO order of the Board and shall have operational effluent treatment systems. The committee also noted these 22 units are located adjacent to the residential area and are not meeting the siting guidelines stipulated for establishment of cashew processing units of the Board. The EE, RO, Nellore has attended the meeting and informed that 20 units out of 22 unit have obtained CFO of the Board and M/s.Sri Vijaya Lakshmi Quality Cashews, Prakasam District has applied CFO of the Board and M/s.Sai Krishna Cashew not applied CFO of the Board. It was informed that out of 16 units operating with boiling process and 6 units operating with drum roasting process. It was also informed that the representation of the Hon'ble MLA of Chirala Assembly constituency, Prakasam District to extend for one year time to change the cashew manufacturing process from drum roasting to boiling method.

**Recommendations:**

After detailed review, the Committee recommended to issue following directions:

1. M/s.Sai Krishna Cashew unit shall immediately obtain CFO of the Board.
2. The Cashew units shall operate boiling process only and shall not operate drum process for processing of cashew nuts (Except 6 units).
3. The Cashew units shall convert to boiling process before 31.03.2018 (Except 16 units).
4. The Cashew units shall use de-oiled cashew nut shell / bio-mass as fuel for the boiler and drier.

The Committee is recommended to direct EE, RO, Nellore to issue above directions to all 22 Cashew units with a copy marked to Zonal Office, Vijayawada.

### 24 (a). Tyre Pyrolysis Plants:

1. M/s. Sri Lakshmi Vigneswara Polymers, Sy.No.1046/30, Palukuru (V), Kandukur (M), Prakasam District.
2. M/s. Srivinchanand Pyro Tech Products, Sy.No.302, Thimmanagaripalem (V), Kadivedu (Revenue), Chilkur (M), SPSR Nellore District.
The representatives of the above 3 industries attended the legal hearing. The Committee noted that The Ministry of Environment & Forest and Climate Change (HSM Division), GOI has framed the certain Guidelines/ Standard operating Procedure (SOPs) for operating Used Tyres Pyrolysis Oil Plant by adopting Batch process for control of Air & Water pollution & to maintain safety during operation. The Committee also noted that the Tyre Pyrolysis Plants are operating without complying the most of the guidelines/SOPs as prescribed by the MoEF&CC (HSM) Division, Gol.

The EE,RO, Nellore has informed that the industries are having valid Consent for operation (CFO) of the Board. It was informed that the industries are carrying the initial burning by using wood logs. The industries provided with stack height of 20-25 mtrs to disperse the emissions in to atmosphere; not provided automation systems; not provided adequate no. of sensors along with alarm system; not provided adequate fire fighting system like sprinklers and not provided proper sealing and fumes extracted from the reactor. The representative of the industry assured that they will comply the all recommendations of the MoEF&CC, Gol, but requested to give some time to comply the same.

**Recommendations:**

After detailed review, the Committee recommended to issue following directions for compliance within 3 months:

1. The feed to the Pyrolysis reactor should be devoid of steel. After removal of steel wire the tyre can be put either in the form of crumbs or chips (which can be made simply by cutting without going for the shredding process). Further the feeding arrangement of the rubber crumb to the reactor should be mechanized.

2. The initial heating of the reactor should be done by liquid fuel or gas. The flue gas should be released to the environment through a chimney of at least 30 meters height.

3. Adequate instrumentation for measurement and control of temperature and pressure along with safety interlocks in case of increase of temperature or pressure to cut off heating of the reactor should be provided. Automatic control systems such as Programmed Logic Control (PLC) shall be adopted. It should be ensured that the reactor is under positive pressure all the time.

4. At the end of the Pyrolysis process the reactor has to be cooled before the removal of carbon. During this process, the reactor should be purged with nitrogen.

5. The removal of carbon should be through a mechanized system and it should be ensured that no spillage takes place during the collection of the carbon in the bags.

6. Adequate number of sensors along with alarm system should be provided at suitable locations throughout the plant to detect any leakage of flammable vapors from the system.

7. Adequate fire fighting system like sprinklers and fire hydrant with necessary pumping system and water storage should be provided.

8. The waste water generated in the process from condensers or any scrubbers should be properly treated in an effluent treatment plant and the sludge generated should be sent to TSDF.

9. Oil containing water condensate should be treated in ETP. Oily sludge/residues should be disposed through TSDF.

10. The industry shall submit a Bank Guarantee for an amount of **Rs.2 Lakhs** valid for period of one year within 15 days towards compliance of the above directions.

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24 (b) Tyre Pyrolysis Plants:

1. M/s. Maruthi Industries, Sy.No.586 &595, Kalavakuru (V), Addanki (M), Prakasam district

The representatives of the industry attended the legal hearing. The committee noted that the Hon’ble Supreme Court of India in W.P.No.375 of 2012 has given directions that the industry shall only operate with CFO order of the Board and shall have operational effluent treatment systems. The Committee also noted that the Ministry of Environment & Forest and Climate Change (HSM Division), GOI has framed the certain Guidelines/ Standard operating Procedure (SOPs) for operating Used Tyres Pyrolysis Oil Plant by adopting Batch process for control of Air & Water pollution & to maintain safety during operation. The Committee also noted that the Tyre Pyrolysis Plants are operating without valid CFO and without complying the most of the guidelines/SOPs as prescribed by the MoEF&CC (HSM) Division, GoI.

The EE,RO, Nellore has confirmed that M/s. Maruthi Industries, M/s. Balaji Conversion, Pelliakuru Mandal, Nellore District are not having valid Consent for operation (CFO) of the Board. It was confirmed that the industry are not complying the most of the guidelines/SOPs as prescribed by the MoEF&CC (HSM) Division, GoI.

Recommendations:

After detailed review, the Committee recommended to issue Closure Orders to the 2 no.s of industries for operating without obtained CFE/CFO of the Board and operating without complying most of the guidelines/SOPs as prescribed by the MoEF&CC (HSM) Division, GoI.

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