ANDHRA PRADESH POLLUTION CONTROL BOARD

MINUTES OF

The External Advisory Committee (Task Force) Meeting to be held on 04.07.2018 at 11.00 AM at APPCB, Head Office, near Sunrise Hospital, Kasturbaipet, Vijayawada

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<th>Sl. No.</th>
<th>Name of the Member</th>
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<td>1</td>
<td>Sri B.S.S. Prasad, IFS, Chairman, A.P. Pollution Control Board, Vijayawada.</td>
<td>Chairman</td>
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<td>Sri Vivek Yadav, IAS, Member Secretary, A.P. Pollution Control Board, Vijayawada.</td>
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<td>Dr. V. Ravindra, JNTU, Kakinada (Civil Engineering).</td>
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<td>Prof. S. Venkata Satyanarayana, JNTU, Anantapur (Chemical Engineering).</td>
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<td>5</td>
<td>Prof. M. Sri Murali, S.V.U. Collge of Engineering, Tirupati (Civil Engg, Environmental Engg)</td>
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The Chairman has welcomed the members of the Committee. After general introductory remarks on the items placed before the External Advisory Committee (Task Force) Meeting, the committee took up agenda, item wise. The decisions of the EAC (TF) meeting on each item are recorded below.
Vijayawada & Kurnool Zones

1. M/s. AWM Consulting Ltd., Pachikapallam (V & P), Vedurukuppam (M), Chittoor District.

   The representatives of the industry attended the legal hearing. The Committee noted the non-compliance of the Board directions, BMW Rules, 2016 and consent conditions. The AEE, RO, Tirupati has informed that the facility has stored about 100 tons of incineration ash in the premises and the facility is not disposed ash to TSDF. The facility is not filing the water cess returns to the Board and not installed GPS tracking and Barcode systems for transportation of Bio-medical Waste. The representative of the industry informed that the HCEs are not segregating the BMW at source. It was informed that they provided online stack emission monitoring system and connected to CPCB/APPCCB website. It was also informed that they will dispose sludge to TSDF within 3 months. They informed that they will file water cess returns to the Board within 15 days. The Committee instructed the management to conduct training programs for the staff of HCEs on segregation of Bio-Medical Waste in their jurisdiction immediately and monitor the Gaseous emissions i.e. Dioxins and Furons once in a year through a reputed laboratory approved under EP Act, 1986.

   **Recommendations:**

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

   1. The facility shall charge the waste only after attaining the required temperatures in the primary and secondary chambers during the beginning of the operation of incinerator and required temperatures shall be maintained in the chambers during operation.
   2. The facility shall not take-up manual feeding of biomedical waste into the incinerator and shall operate only on auto-feeding system.
   3. The facility shall operate Effluent Treatment Plant regularly to treat the effluent generated from scrubber & washings to meet the Board standards.
   4. The facility shall conduct training programs on segregation of Bio-medical Waste to staff members of the Health Care Establishments located in their jurisdiction.
   5. The facility shall collect only segregated Bio-medical Waste from HCEs. The list of HCE’s sending un-segregated bio-medical waste to CBMWTF shall be reported to ZO, Kurnool as and when found non-compliance.
   6. The facility shall install GPS tracking and Barcode systems for transportation of Bio-medical Waste and shall report compliance to RO, Tirupathi and ZO, Kurnool along with details of GPS navigation links and bar codes within one month.
   7. The facility shall maintain records on actual operation of incinerator/ autoclave/ shredder, diesel consumption, Manifest copies, vehicles and daily register of BMW collected from HCEs (HCE wise) and route wise collection at plant site. The monthly consolidated records shall be communicated to RO, Tirupati and ZO, Kurnool.
   8. The facility shall store incinerator ash in secured manner and shall dispose of the accumulated incineration ash to TSDF, Parawada immediately and to report compliance to RO, Tirupati along with manifest copies within 3 months.
   9. The facility shall monitor the Gaseous emissions i.e. Dioxins and Furons once in a year through a reputed laboratory approved under EP Act, 1986.
   10. The facility shall comply with all duties and responsibilities as mentioned in the Rule No.5 of BMW rules, 2016 issued by the MoEF&CC, GoI.
   11. The industry shall ensure continuous compliance of the conditions stipulated in the CFO & HWA order.


   The representatives of the industry attended the legal hearing. The Committee noted that the Zonal Office, Kurnool has issued closure order to industry on 01.07.2017 for not meeting the discharge standards and thereby causing water pollution on the surrounding areas and also non functional of ETP. The committee noted the status of compliance of Board directions and CFO conditions. The EE, RO, Tirupati has informed that during the inspection the industry was not in operation due to off-
season. It was observed that the industry has renovated the existing ETP capacity of 25 KLD consisting of Bar screens, Floatable trap, Baffled channel, Lime dosing tank, Equalization tank, Primary Clarifier, Solids retention tanks, Aeration Tank, Secondary clarifier, Buffer storage tank, Agricultural Sand filter for treating the effluent before using for gardening for meeting the Board discharge standards. The industry has not constructed lined platform with leachate collection system for drying mango stones & peels. The representative of the industry requested the Board to revoke the closure order, as they have renovated the existing 25 KLD capacity ETP and having 2.7 acres of own land for utilization of treated effluents and also taken additional land of 3 acres on lease for utilizing the treated effluents onland for irrigation.

Recommendations:

The Committee after detailed discussions, recommended to issue Temporary Revocation of Closure Order for period of one year with the following directions:

1. The industry shall operate the ETP continuously to ensure compliance of prescribed discharge standards and shall not discharge any treated/untreated effluents outside the premises under any circumstances.
2. The industry shall maintain records of fresh water consumption, effluents generated & treated along with energy meter readings of the ETP.
3. The industry shall utilize the treated effluent in their ownland for onland irrigation/greenbelt development.
4. The industry shall construct lined platform with leachate collection system for drying mango stones and peels. The leachate collected near seeds / peels drying area shall be taken to ETP for further treatment.
5. The industry shall develop thick green belt all along the periphery within the plant premises in the ensuing monsoon season.
6. The industry shall ensure continuous compliance of the conditions stipulated in the CFO & HWA order obtained from the Board.

3. M/s Capricorn food Products India Ltd.(Unit-I), Palagunta (V), Sathyavedu (M), Chittoor District.

The representatives of the industry attended the legal hearing. The Committee noted that the Board issued temporary revocation of stop production orders to the industry on 12.12.2017 for a period of six months i.e. up to 11.06.2018 with certain directions. The committee noted the status of compliance of Board directions and CFO conditions. The EE, RO, Tirupati has informed that the industry has obtained valid CFO of the Board for the plant and 12 TPH Boiler which is valid upto 31.05.2018 and auto renewal order dt 19.05.2018 extended up to 31.05.2021. The industry has upgraded the existing ETP with UASB reactor and is ready for commissioning. The industry has provided cement lined platform with leachate collection system in an area of about 24,000 Sq.feet for drying of the solid waste i.e. mango stone & peel in a scientific manner. The industry has developed irrigation network for utilizing the treated effluent for land application.

The representative of the industry requested the Board to revoke the stop production order, as they have upgraded the existing ETP with UASB reactor, provided Bag filter to the Boiler, constructed the lined platform. He further informed that the industry has dismantled all the unlined lagoons existing in the premises, developed green belt in that area and provided a closed shed for storage of dried seeds and peels.

Recommendations:

The Committee after detailed discussions, recommended to issue Revocation of Stop Production Order with the following directions:

1. The industry shall operate the ETP continuously to ensure compliance of prescribed discharge standards and shall not discharge any treated/untreated effluent outside the premises under any circumstances.
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2. The industry shall maintain records of fresh water consumption, effluents generated & treated along with energy meter readings of the ETP.
3. The industry shall utilize the treated effluents in their ownland for onland irrigation/greenbelt development.
4. The industry shall also upgrade the air pollution control equipment attached to the 5 TPH Boiler within six months.
5. The industry shall develop thick green belt all along the periphery within the plant premises in the ensuing monsoon season.
6. The industry shall ensure continuous compliance of the conditions stipulated in the CFO & HWA order obtained from the Board.

4. M/s. R.S. Mineral Works, Bugganipalle (V), Betamcherla (M), Kurnool District.

The representatives of the industry attended the legal hearing and complainant did not attend the meeting. The Committee noted that the Board has received complaint from Smt. M.Ramadevi, Sarpanch, Bugganipalle (V), Betamcherla (M), Kurnool District stating that industry is discharging waste water/chemicals into the surrounding agricultural lands thereby causing damage to the fertile agricultural lands in the area and also informed that the waste water and spent acid discharged by the industry have joined the downstream cheruvus in the Bugganipalle, during recent rains and finally joined the Thamarajupalli cheruvu causing contamination of the water bodies. The committee noted the status of non-compliance of CFO conditions.

The representative of the industry informed that they have rectified the damaged tanks with FRP lining & also acid proof tiling, now there is no chances of any seepage of acid into the ground from these tanks. They have provided the acid resistant proof lining for the storage tanks in addition to the changes they made to unload directly into the FRP lined mixing tanks. It was informed that they are disposing the gypsum on regular basis to cement industries. It was also informed that they provided HDPE tank of capacity of 20 KL for leachate collection. They have placed the order for Scrubbing system for which the delivery schedule is July 31, 2018 and it will be erected by end of August, 2018. Further, it was informed that shed work for storage of gypsum is initiated and it will be completed by September, 2018.

The EE, RO, Kurnool has informed that the industry is not operating for the last 2 months due to rectification work of the lapses. The industry is not discharging the spent sulphuric acid received from the bulk drug industries to outside the premises. They have rectified the damages caused to the platform. Finally, he concluded the industry has partially complied the directions after issue of show cause notice.

Recommendations:

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

1. The industry shall provide scrubbing system for scrubbing the acidic emissions emanated during mixing of lime powder and sulphuric acid within 2 months.
2. The industry shall collect the leachate/wastewater from the gypsum drying platform and shall reuse back into the process.
3. The industry shall provide closed shed for the storage of gypsum within 3 months.
4. The industry shall immediately dispose off gypsum to authorized users/recyclers and maintain records. The consolidated records shall be furnished to EE, RO, Kurnool every month.
5. The industry shall take all necessary measures to avoid any odour nuisance to the surrounding areas.
6. The industry shall provide proper leachate collection system within one month and shall ensure that the material is not washed away from the drying plat form.
7. The industry shall take all necessary measures to control spillages of acid near the storage and processing area.
8. The industry shall not discharge any effluents to outside the industry premises under any circumstances.
9. The industry shall ensure continuous compliance of the conditions stipulated in the CFO &
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HWA order obtained from the Board.


The representatives of the industry attended the legal hearing. The Committee noted that the industry is operating without valid CFO order of the Board and without not providing water meters, online stack monitoring system for stacks attached to the kiln and power plant, without operating interlocking system and without individual energy meters to the air pollution control equipments. The committee noted the status of non-compliance of Board directions and CFO conditions. The EE, RO, Kurnool has informed that the industry has provided storage shed for coal only and is storing other raw materials such as iron ore, dolomite in the open area. It was informed that the industry has not applied for CFO renewal and the industry has not complied most of the directions issued by the Board.

The representative of the industry informed that the power plant was not being operated for the past three years due to shortage of the raw material, even the sponge iron unit is also not in continuous operation. They are operating only one kiln at 50% capacity and also the company accounts have become NPA in the bank. It was informed that they have sold the plant and change of management is under process. They assured that they will comply all the directions issued by the Board within 2 months.

Recommendations:

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

1. The industry shall immediately obtain renewal of CFO order of the Board.
2. The industry shall operate all air pollution control systems continuously to comply with Boards’ standards.
3. The industry shall install water meters to know the water consumption as per CFO order within one month.
4. The industry shall install online stack monitoring system for the stacks attached to the kiln and power plant within 2 months.
5. The industry shall provide interlocking system within 02 months in such way that feeding to the kiln shall be stopped in case of opening of emergency cap provided at after burner chamber.
6. The industry shall provide activation recorder for emergency cap opening within one month.
7. The industry shall provide individual energy meters to all the air pollution control equipments within one month time and shall maintain proper records. The consolidated records shall furnish to EE, RO, Kurnool every month.
8. The industry shall provide closed storage facilities for storage of raw material and product, char and dolochar within 2 months time and shall avoid open storage of raw materials, char and product to minimize fugitive emissions.
9. The industry shall provide permanent water sprinklers all along the internal roads, raw material storage yards, dolochar storage yards within one month. The industry shall ensure continuous operation of water sprinklers provided at various places.
10. The industry shall concrete or asphalt the internal roads and work area within 02 months.
11. The industry shall submit a Bank Guarantee of Rs.5 Lakhs in favour of Environmental Engineer, Kurnool in prescribed format within 15 days with validity period of one year towards compliance of Board directions.

6 & 7 • M/s. Pola Industries, Sy.No.29, Mulugundam Road, Arekal (V), Adoni (M), Kurnool District.
   • M/s. Sri Raghavendra Swamy Pyrolysis Industries, Sy.No.190-1B, Regadikottur Road, Akuledu (V), Singanamala (M), Anantapur District.

MEMBER SECRETARY

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The representatives of the 2 No.s of industries attended the legal hearing. The Committee noted that the Zonal Office, Kumool has issued closure orders to the industries on 02.01.2018 for operating without valid consents of the Board and for non compliance of Standard Operating Procedures (SOPs) notified by the Ministry of Environment and Forest & Climate Change (MoEF&CC), Gol. The committee also noted that these industries have installed steel removal machine from the tyre and proposed to load the tyre into the reactor using hydraulic cranes, provided analog temperature gauges and analog pressure gauges with emergency alarms, provided Nitrogen Cylinders for purging the reactor before opening of the main door of the reactor for removal of carbon, provided sensors along with alarm system in the premises for detecting the leakages. The EE, RO, Kumool has informed that these industries have complied most of directions issued by the Board. The representative of the industry informed that they disposed the carbon black to M/s. Dalmia Cements and other actual users. They obtained membership in M/s. Coastal Waste Management Project, Parawada and proposes to lift the oil sludge/Residues to TSDF, Parwada. It was also informed that they will apply for CFO within one week. Finally the industries requested for revocation of closure order as they have complied all directions issued by the Board.

Recommendations:

After detailed review the committee recommended to issue Revocation of Closure Order with the following directions:

1. The industry shall operate the unit after obtaining of valid CFO order of the Board.
2. The industry shall feed the crumb rubber into the pyrolysis reactor through mechanized system.
3. The industry shall only use liquid fuel or gas for initial heating of the reactor. The chimney height shall maintain 30 mtrs for releasing the flue gas into the environment. Excess pyrogas should be flared through properly designed flaring system. The flaring should be done at a minimum height of 30 mts.
4. The industry shall provide adequate number of sensors along with alarm system at suitable locations throughout the plant to detect any leakage of flammable vapors from the system.
5. The industry shall ensure that at the end of pyrolysis process the reactor has to be cooled before the removal of carbon. During this process the reactor system should be purged with the Nitrogen.
6. The industry shall utilize mechanized system for removal of carbon and shall ensure that no spillages takes place during the collection of carbon in the bags.
7. The industry shall operate continuously the Effluent Treatment Plant for properly treating the waste water generated from condensers or any scrubbers.
8. The industry shall dispose off oil sludge/residues to TSDF regularly.
9. The industry shall comply Guidelines/Standard operating Procedure (SOPs) issued by MoEF&CC (HSM) Division, Gol.


The representatives of the industry attended the legal hearing. The Committee noted that the Zonal Office, Vijayawada has issued stop production order on 12.03.2018 for non-compliance of the conditions stipulated in CFO of the Board and also due to complaints received from the villagers of Nagambatlavari Kandriga against air pollution caused by the industry. The committee noted that the industry has provided bag filters to the Hot Mix Plant to control Air Pollution and rectified the defects. The industry has provided cladding to the conveyor which carries metal chips to control fugitive dust and provided water sprinkling system with proper pipeline to suppress the dust generated during loading and unloading activities of materials. The EE, RO, Nellore has informed that the industry is complied all directions issued by the Board.

The representative of the industry informed that they provided metal road to control fugitive emissions during vehicular movement and also provided water tanker with sprinkling arrangement for water spraying in the factory premises to control dust emissions. The industry has planted
saplings all along the periphery of the Hot Mix Plant. Finally the industry requested for revocation of stop production order as they have complied all directions issued by the Board.

**Recommendations:**

After detailed review the committee recommended to issue **Revocation of Stop Production Order** with the following directions:

1. The industry shall continuously operate the air pollution control equipment to comply with prescribed emission standards.
2. The industry shall continuously operate water sprinklers at raw material yard to control fugitive dust emissions in the industry premises.
3. The industry shall develop thick green belt all along the periphery in the industry premises.
4. The industry shall ensure continuous compliance of the conditions stipulated in the CFO & HWA order obtained from the Board.

### 9. M/s. Alliance Hydrocarbons, Sy No.302/2, Thimmanagaripalem (V), Kadivedu (Rural), Chilakur (M), SPS Nellore District.

The representatives of the industry attended the legal hearing. The Committee noted the industry is operating without obtaining valid CFO order of the Board and without complying of SOPs issued by MoEF&CC, GoI. The committee also noted that the industry is using various types of rubber material viz., tyres, tubes, belts, shoe souls, etc which was spread all over the open yard. The industry has provided pipeline for burning the gases. The flaring is carrying at height of 5 mtrs. Not provided automation systems for measurement and control of temperature and pressure along with safety interlocks.

The EEO RO, Nellore has informed that industry operated without upgrading the air pollution control equipments to control the smoke emission that rises during the process. The industry is producing distilled tyre Pyrolysis oil by light fraction method, which is not allowed as per the Standard Operating Procedure (SOP) prescribed for operating Pyrolysis oil units. It was also informed that the industry is operating without complying the guidelines/ standard operating procedure prescribed for operating the Pyrolysis oil units by the MoEF&CC, GOI.

The representative of the industry who accompanied during the inspection has informed that the old Management had shut down the operations of the industry since long back and recently, the New management has taken over the industry & restarted the unit for trial runs. The management requested for 2 months time for comply of all directions issued by the Board.

**Recommendations:**

The Committee has recommended to direct EE, RO, Nellore to issue of **Stop Production order** to the industry for operating without obtaining valid CFO order of the Board and for not rectifying the lapses inspite of ample opportunity was given to rectify the lapses.

### 10. M/s. Panasonic Carbon Co-Limited, Plot No.48, Tada (M), SPSR Nellore District.

The representatives of the industry attended the legal hearing. The Committee noted that the Board received a Complaint against pollution being caused from the industry through the District Collector on 20.04.2018 filed through online meekosam vide complaint No.2018-15807205. The Committee noted the industry is operating STP for treating the domestic effluents generated from the industry and the treated waste water is being used for onland applications within the premises. The committee also noted the status of non-compliance of CFO conditions. The EE, RO, Nellore has informed that during the inspection, no discharges were observed outside the industry premises. The storm water lines were also routed to Rain Water Harvesting structure provided within the industry premises.
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The representative of the industry informed that the industry is manufacturing carbon electrodes for Dry Cell Batteries for the past 36 years. They are handling powders, they have established 9 dust collectors to collect the fine powder emissions and reuse the same. They have also provided wet scrubber to control the SO₂ & SPM of tunnel kiln exhaust gasses. It was informed that they are not using water for process and they have established water treatment plants for the domestic (Including canteen) sewage water at both places i.e. industry premises and at residential quarters. The treated water is used for the greenbelt.

Recommendations:

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

1. The industry shall continuously operate STP to treat the domestic effluents generated from the industry to meet the Board’s standards. The treated effluents shall be used for onland applications within the premises.
2. The industry shall maintain all the air pollution control systems intact, always in good condition and shall ensure that the emissions are within the norms specified in the CFO order.
3. The industry shall not discharge any type of effluents outside the industry premises under any circumstances.
4. The industry shall take all required measures to mitigate odour nuisance in the surrounding environment.
5. The industry shall maintain thick green belt all along the periphery in the industry premises.
6. The industry shall ensure continuous compliance of the conditions stipulated in the CFO & HWA order obtained from the Board.


The representative of the industry attended the legal hearing and complainants did not attend the legal hearing. The committee noted that the Board has received a complaint from the Villagers of Pynampuram & Nelaturu, Varakavipudi, Musunurivaripalem of Muthukur Mandal, SPSR Nellore District regarding anticipated pollution problems to the villagers & agriculture fields due to construction of 2nd Ash Pond by M/s. Sri Damodaram Sanjeevaiah Thermal Power Station. The Committee noted that the industry is not achieving the Sulphur Dioxide (SO₂) and Oxides of Nitrogen (NOₓ) standards and are not meeting the Ambient Air Quality Standards stipulated by the Board and not operating water sprinkling system around coal staking yards and crusher for dust suppression.

The EE, RO, Nellore has informed that the industry failed to achieve 100% utilization of ash as per fly ash notification dt. 25.05.2015 requirements. It was informed that the industry is not operating the ETP & STP for treatment of DM Plant regeneration, Boiler Blow Down, Plant’s domestic wastewater and discharging the untreated wastewater into the sea directly. The industry has developed green belt in an area of about 220 acres against the target of 420 acres.

The representative of the industry informed that the construction of Ash pond taken up is not the second pond but it is only an extension of the existing ash pond to facilitate storage of ash to avoid interruption of units while rising of existing pond bund height for future storage of ash. It was informed that AAQMS (near ash pond) is installed near to the Nelaturu village. There is proposal for shifting this village to another area. They also informed that interlocking system is very difficult to provide for air pollution control equipment and fuel feeding system in view of the critical and sensitive operations of the super critical units. Further, it was informed that they have already provided 4 No.s high resolution rotating type cameras to monitor the entire Coal yard. Adequately designed water sprinkling system is provided all around the coal stock yard. They informed that green belt development to an extent of 250 acres is completed. As the survival rate and growth of the plants is poor, at present the plantation is being carried out with surviving species of plants such as "CONOCORPUS".

MEMBER SECRETARY

CHAIRMAN
### Recommendations:

After detailed review, the committee recommended to inspect the industry again to verify and submit a detailed report on status of existing ash pond and its compliances/violations with the EC/CFE/CFO permitted capacity and stipulated conditions for the same, actual status of industry's action in providing the 2nd ash pond/extension of existing ash pond. He shall also thoroughly examine and report on justification regarding non-feasibility of interlocking system as claimed by the industry to Board office within one month.

12. **M/s. Biomed International, Sy.No.51/1B1, Mekanur (V), SPSR Nellore District.**

The representatives of the industry attended the legal hearing and complainants did not attended the legal hearing. The Committee noted that the Board has issued closure order to the industry on 28.11.2017 for not commissioned the Effluent Treatment Plant (ETP) and indulge in discharge of untreated waste water, thereby causing ground water pollution, not implemented adequate abatement measures to prevent odour nuisance in the surroundings. The committee also noted that the industry has provided ETP consists of Collection cum Neutralization tank, clarifier, sand filter, two stage evaporated system with 1KL/Hr capacity followed by reactors of capacity 2 KL/hr & 1.5KL/hr (one is standby) and then followed by steam drying pan to convert the slurry from the reactor into dry solid waste to meet ZLD.

The EE, RO, Nellore has informed that they provided storage tank to store the condensate from MEE and proposed to use the stored water for production & for cooling tower makeup to achieve Zero Liquid discharge. It was informed that the industry complied most of directions issued by the Board.

The representative of the industry informed that they installed a new Boiler of capacity 2.0 TPH to meet the steam requirement in place of existing boiler of capacity 0.5 TPH capacity. The representative of the industry has informed that they will operate the 2.0 TPH boiler after obtaining CFO amendment from the Board. It was informed that they applied for CFO through single window portal on 02.07.2018. They planted at about 200 samplings in the industry premises. Finally, the industry requested for revocation of closure order as they complied all directions issued by the Board.

### Recommendations:

After detailed review the committee recommended to issue **Revocation Of Closure Order** with the following directions:

1. The industry shall operate the unit only after obtaining of renewal of CFO order of the Board and also CFE/CFO order of the Board for the 2.0 TPH Boiler.
2. The industry shall continuously operate the Effluent Treatment Plant followed by MEE so as to achieve the Zero Liquid Discharge stipulation.
3. The industry shall continuously operate the air pollution control equipment so as to meet the Board’s standards and maintain the log records.
4. The industry shall maintain log registers of energy meters of treatment systems and flow meters pertaining to wastewater generation, treatment in ETP.
5. The industry shall not discharge any waste water outside the premises under any circumstances.
6. The industry shall not dispose the solid waste i.e., degradable process waste – 1200 kgs/day outside the premises. It shall be converted into manure and the same shall be used for manure purpose properly without causing pollution problems to the surroundings.

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**MEMBER SECRETARY**

**CHAIRMAN**

The representatives of the stone crusher attended the legal hearing. The Committee noted that the Zonal Office, Vijayawada has issued closure order to the stone crusher on 21.05.2004 for operating without obtaining CFE/CFO order of Board and for non-installation of air pollution control equipment. Subsequently the ZO, Vijayawada has issued Temporary revocation of closure order on 10.03.2014 for a period of one year with specific directions. The committee also noted that the status of compliance of the Board directions.

The EE, RC, Nellore 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 will provide water sprinkling systems to control fugitive dust emissions within one month. 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, stating that 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:

1. The stone Crusher shall operate the unit only after obtaining renewal of CFO order of the Board.
2. The Stone Crusher shall continuously operate the air pollution control equipments so as to achieve the standard of 600 µg/m³ for SPM measured at a distance of 3 to 10 mtrs.
3. The stone crusher shall provide permanent water sprinkling systems and operate the same continuously and shall also provide flow meters with totalizer to record the quantity of water consumption for dust suppression at industry premises within one month.
4. The Stone Crusher shall provide wind breaking walls & internal metal roads within 2 months
5. The stone crusher shall carryout regular cleaning and wetting of the ground to prevent the dust spreading to the surrounding areas.
6. The Stone Crusher shall keep intact the cladding provided for crushers, vibratory screens and elevated closed dust tank for collection of dust.
7. The Stone Crusher shall spray water during loading and unloading of finished material and dust.
8. The Stone Crusher shall ensure total premises including ramp area and approach road is always in wet condition.
9. The Stone Crusher shall develop the thick green belt of width 5 mtrs along the boundary of the crusher.
10. The industry shall submit a Bank Guarantee of Rs.1 Lakh in favour of Environmental Engineer, Nellore in prescribed format within 15 days for period of one year validity towards compliance of Board directions.

b) M/s. Ilakka Textile Process (Formerly M/s. Bharathi Dyeing works), Sy.No.595/3, Harijanawada, Old Chirala Centre, Jandrapet (M), Prakasam district.
c) M/s. Kannamma Process (Formerly M/s.Srinivas Yarn & Cloth Dyeing works), Sy.No.84/6, Nayanipalli rural, Challareddypalem Panchayat, Vetapalem (M), Prakasam district.

The representatives of the industries have attended the legal hearing. The Committee noted that the Board has issued extension of temporary revocation of closure order to the industries on 16.06.2017 for period of one year with direction to the industries not to discharge untreated waste water outside their premises. The Committee also noted that the dyeing units have provided Effluent Treatment Plant to treat the effluents. The committee also noted the status of non-
compliance of Board directions and CFO conditions. The EE, RO, Nellore informed that the units have constructed ETP and discharging treated effluents into the Khunderu drain. The representatives of the industries requested for revocation of closure order as they have provided Effluent Treatment Plant.

During the meeting, the EE, RO has further informed that recently the secretary, M/s Sri Venkeswara dyeing unit met him in the office and represented that most of the dyeing units are operating since long time at Chirala and its surroundings, which is a traditional activity. The dyeing activity is a lively hood for huge number of families. The medium units have already provided individual Effluent Treatment Plant (ETP) at their industry premises for treatment of their effluents. The Small units mostly operating in their houses and they are unable to provide individual ETP as these units are tiny in nature and operating manually and no machinery is involved. These units generates small quantities of effluents and are easily diluted when these effluents are mixed with town sewage effluents.

The committee observed that these dyeing units are operating since long time within Chirala municipality and opined that in view of survival of traditional activity at Chirala and to protect the environment, the APPCB may extend financial assistance for construction of Sewage Treatment Plant by Chirala municipality which can also handle the treatment of these tiny units effluents along with domestic effluents of municipality. The Chirala Municipality shall submit a detailed project report for the same.

Recommendations:

After detailed review the committee recommended to issue Revocation of Closure Order with the following directions:

1. The dyeing units shall operate the units only after obtaining CFO order of the Board.
2. The dyeing units shall not discharge untreated effluents outside the industry premises.
3. The dyeing units shall not cause ground water pollution in and around the industry premises.
4. The dyeing units maintain flow meters with totalizer facility at inlet and outlet of ETP and maintain log registers to record the wastewater generation and utilization.
5. The dyeing units shall maintain separate energy for the ETP and maintain log registers to record the energy meter reading pertain to the operation of the effluent treatment plant.
6. All the dyeing units shall concentrate on completion of Common Effluent Treatment Plant and shall submit the progress of the construction of CETP to the Board regularly. In the meantime, the industry shall treat the effluents in their individual Effluent Treatment plant to meet the Board standards.

The committee also recommended to address a letter to commissioner, Chirala Municipality, Chirala Prakasam district with a request to submit detailed proposals if any made for construction of STP for treatment of sewage generated from their municipality by taking into consideration of the waste water generating from the dyeing units operating in Chirala & Surroundings for consideration of financial assistance from APPCB if any required duly following the prescribed procedure.

15. M/s. GMS Pharmaceuticals Private Limited, Plot Nos.612 & 613, Industrial Growth Centre, Gundlapalli (V), Maddipadu (M), Ongole Prakasam District.

The representatives of the industry attended the legal hearing. The Committee noted the Board issued stop production order to the industry on 01.06.2018 for complaint received against the industry regarding ground water pollution and non-compliance of consent conditions. The committee noted status of compliance of Board directions and CFO conditions. The EE, RO, Nellore has informed that during the inspection, the industry is not in operation. It was informed that the industry is yet to complete the commissioning of MEE followed by ATFD to meet ZLD. The industry has provided Reactor for treating the waste water through Forced Evaporation, which is not adequate for total consented capacity. They provided 2 Nos. of HDPE tanks above ground level

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for HTDS effluents storage and 1 No. of HDPE tank provided for LTDS effluents storage only. The industry has constructed storage room for storing the both inorganic & Organic solid waste.

The representative of the industry informed that it is a small scale industry and being operated at 30-40% of production capacity due to bad market conditions. They requested for revocation orders as they are ready for commissioning of the MEE. They will provide ATFD once MEE is stabilized and characterization of concentrated waste is available for analysis. They informed ATFD will be installed and commissioned by end of September, 2018. It was informed that at present they are generating 1-2 KLD of LTDS effluents. As it is not economically feasible to operate RO system, they are currently evaporating them along with HTDS effluents. There is provision for segregation of HTDS and LTDS effluents in the plant. They are not discharge any effluents outside the premise as MEE is installed and they are evaporating the effluents though FE system. Further it was informed that they will provide the online monitoring system once the ZLD is completed in all respects. They disposed off nearly 18.7 tons of Hazardous Waste to M/s. Dalmia Cements.

Recommendations:

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

1. The industry shall complete the erection and commissioning of Effluent Treatment Plant, RO Plant followed by MEE & ATFD to meet Zero Liquid Discharge within two months.
2. The industry shall segregate effluents generated from the unit into HTDS (High COD) and LTDS (Low COD) streams.
3. The industry shall provide storm water drains along the periphery within 2 months.
4. The industry shall continuously operate the air pollution control equipment so as to meet the Board's standards and maintain the log records.
5. The industry shall maintain log registers of energy meters of treatment systems and flow meters pertaining to wastewater generation, treatment in ETP and shall maintain proper records. The consolidated records shall be furnished to EE, RO, Nellore.
6. The industry shall install online monitoring systems and connect to APPCB/CPCB website within one month.
7. The industry shall provide closed room for storing the Hazardous Waste and it shall be disposed off to TSDF/Authorized coprocessors regularly.
8. The industry shall provide pH measuring facility with auto recording system to the scrubbers within one month.
9. The crumps containing chemicals/solvents shall be stored under roof on elevated platform with a provision to collect leakages/spillages in to collection pit.
10. The industry shall provide web cameras & flow meters and shall connect to APPCB/CPCB websites within 2 months
11. The industry shall not discharge any waste water outside the premises under any circumstances.
12. The industry shall take all required measures to mitigate odour nuisance in the surrounding environment.
13. The industry shall maintain thick green belt all along the periphery in the industry premises.
14. The industry shall ensure continuous compliance of the conditions stipulated in the CFO & HWA order obtained from the Board.

16. M/s. Sri Siva Stone Crusher, Sy. No. 379/1, Perecherla (V), Medikonduru (M), Guntur District.

The representatives of the stone crusher attended the legal hearing. The Committee noted that the Zonal Office, Vijayawada has issued stop production order to the stone crusher on 10.05.2018 for operating without automatic water sprinklers and causing air pollution problems in the surrounding area. The committee also noted the status of compliance of the Board directions. The EE, RO, Guntur has informed that the stone crusher has obtained CFO order of the Board and automatic water sprinklers provided at dumper unloading area. The industry has laid pipe line around the crusher and provided 3 No. of High speed water guns and 3 No. of water sprinklers. The industry
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has provided fabric cladding to the conveyer. It was also informed that the industry has planted 150 No. of trees all along the periphery at a distance of 2 mts.

The representative of the stone crusher informed that they provided water sprinkling systems to control fugitive dust emissions. He informed that Fabric cloth cladding provided to the conveyer belts. 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 Stop Production Order with the following directions to stone crusher:

1. 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.
2. The stone crusher shall continuously operate water sprinkling systems and shall provide flow meters with totalizer to record the quantity of water consumption for dust suppression at industry premises within one month.
3. The stone crusher shall carryout regular cleaning and wetting of the ground to prevent the dust spreading to the surrounding areas.
4. The Stone Crusher shall spray water during loading and unloading of finished material and dust.
5. The Stone Crusher shall ensure continuous compliance of the conditions stipulated in CFO order issued by the Board.

17. M/s. Kevy’s Labs, Plot No.31 to 34, APIIC Industries Park, Nadikudi, Dachepalli (M), Guntur District.

The representatives of the industry attended the legal hearing. The Committee noted that the Board issued stop production order to the industry on 17.05.2018 for complaints received against the industry regarding ground water pollution and non-compliance of consent conditions. The committee noted the status of compliance of Board directions and CFO conditions. The EE, RO, Guntur has informed that the industry was not in operation. It was informed that the industry has provided permanent pipeline for conveyance of waste water to feed into FE reactor of 3 KL capacity. Further, the industry completed permanent steam line installation to convey steam from boiler to FE reactor & ready for operation. The industry has provided sintex tank for collection of waste water & floor washings for transit storage prior to feeding of waste water into FE reactor for evaporation & disposal. During the meeting the industry has submitted a commitment letter that they will manufacture only consented products.

The representative of the industry informed that they constructed closed shed for transit storage of hazardous waste adjacent to tank farm area & ready for usage, which can be used to house about 600-650 Kg of dried salts. It was also informed that they installed online pH meter to monitor pH of the scrubber solution & ready for operation. The scrubber for extraction of process emissions was repaired and the pipelines are re-installed to operate the scrubber. It was further informed that they provided lined platform to accommodate about 30-35 No. of chemical drums.

Recommendations:

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

1. The industry shall not manufacture any un-consented products without prior permission from the Board.
2. The industry shall continuously operate the Effluent Treatment Plant followed by Forced Evaporation system and maintain log records.
3. The industry shall provide mechanical nutch filter & drier to separate salts from FE sludge & provision to recycle the filtrate to FE feed within 3 months.
4. The industry shall continuously operate the air pollution control equipment so as to meet the
Board's standards and maintain the log records.
5. The industry shall provide flow meter with totaliser to quantify the waste water treated in the FE reactor within one month.
6. The industry shall maintain log registers of energy meters of treatment systems and flow meters pertaining to wastewater generation, treatment in ETP and shall maintain proper records. The consolidated records shall be furnished to EE, RO, Guntur.
7. The industry shall provide closed room for storage of the Hazardous Waste and shall dispose off to TSDF regularly.
8. The industry shall provide lined platform of adequate area around process shed with leachate collection system for storage of chemical drums within one month.
9. The industry shall not cause ground water pollution in and around the industry premises.
10. The industry shall not discharge any waste water outside the premises under any circumstances.
11. The industry shall take all required measures to mitigate odour nuisance in the surrounding environment.
12. The industry shall maintain thick green belt all along the periphery in the industry premises.
13. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

18. M/s. Dinakara Life Sciences Private Limited, IDA, Tirumalagiri(V), Jaggalahpet(M), Krishna District.

The representative of the industry attend the legal hearing. The committee noted that the industry is manufacturing un-consented product i.e., Fluconozole, not provided separate energy meter to the Forced evaporation system, not provided any separate flow meters (electromagnetic flow meters with totalizer) for water and effluent quantity measurements of different streams of effluent. The committee noted the non-compliance of CFO order conditions. The EE, RO, Vijayawada has informed that the industry has not installed VOC analyzer in the premises and not provided dyke walls for storage tanks/area to contain the spillages. He informed that they tied up with M/s. Ramky Pharma City, Visakhapatnam for disposal of Hazardous Waste generated. The industry has provided double stage scrubber for control of process emissions.

The representative of the industry informed that they have started trial production in small batches off 2-Bromo Butane from the past 10 days for which they have taken CFO of the Board and the code of the product is FL. It was informed that they have collected HTDS & LTDS effluents separately and those will be neutralized in separate tanks near FE system for further treatment. FE system is in working condition. It was also informed that they will install VOC analyzer within two months. They will provide Dyke walls for storage of chemical drums and solvents within 15 days. They obtained Public Liability Insurance (PLC) policy which is valid upto 06.02.2019.

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

1. The industry shall not manufacture any un-consented products without prior permission from the Board.
2. The industry shall provide MEE for treatment of effluents within 6 months until then the industry shall send the HTDS and LTDS effluents to CETP, Parawada, Visakhapatnam for treatment and disposal duly following the proper manifest system and procedure.
3. The industry shall store the effluents above the ground level tanks and shall ensure that there should not be any leakages/spillages/discharges on ground within or outside the premises.
4. The industry shall provide magnetic flow meters with totaliser facility for quantifying water consumption and effluent quantity measurements for different streams of effluents and different categories of water usage and shall maintain records.
5. The industry shall provide separate energy meters for pollution control systems within one month.
6. The industry shall provide lined facility for containers detoxification with proper dyke walls and wash water collection system within 2 months.

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The representatives of industry attended the legal hearing. The Committee noted that the industry is operating without obtaining CFE/CFO order of the Board. The committee also 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 EE, RO, Vizianagaram has informed that the industry has not obtained CFE/CFO order of the Board. He informed that show cause notice was issued to the industry for operating without obtaining CFE/CFO and for non-compliance of Board directions. It was informed that during the inspection, there are two activities are observed in the same premises one is animal feed manufacturing and the other one is chemical manufacturing. It was informed by the workers that on one is a Silicate Oil producing activity which is not in operation for the last two years but the animal feed unit is in operation but at the time of inspection it was also not in operation and is temporarily shut down for maintenance.

The representative of the industry informed that the name of the industry was changed to M/s Viraajitha Chemicals from M/s Kendriya Chemical & Fertilizers. It was also informed that they will apply CFE/CFO order of Board by end of August, 2018. They further informed that the industry is not in operation for past 2 years due to financial problems. They assured that they will comply all the directions issued by the Board.

Recommendations:

After detailed review, the Committee has recommended to direct EE, RO, Vizianagaram to inspect the industry to verify thoroughly the line of activity, manufacturing process and status of operation and furnish detailed report to Board Office. The Committee also recommended to direct EE, RO, Vizianagaram to inspect all the industries located in his jurisdiction who are operating without obtaining CFE/CFO order of Board and furnish detailed report within one month.