ALL ZONES

1. **Thermal Power Plants located in Muthukur (M) & Chilakur (M), SPSR Nellore District.**

The representatives of the industries have attended the legal hearing and the complainants were not attended. The Committee noted that the SPM Values are exceeding the Standards stipulated by the Board and also observed non-compliance of the CFO conditions / Directions and the extent of air pollution caused by the Thermal Power Plants to the surrounding area.

The representatives of the Thermal Power Plants informed that they have provided the water sprinklers near coal stock yards to maintain coal in wet condition. They have also informed that the wind barriers are not feasible due to the sizing, operational constraints of the equipment and space availability in coal handing yards. However they committed that they will develop green belt with tall growing trees and plant on all four sides of the stock pile in addition to the periphery green belt development. They informed that the disposal of fly ash to the brick units/ Cement manufacturing units is in compliance with the provision of Fly Ash Notification and committed that they will achieve 100% fly ash utilization in the coming year 2017. It was also informed that they will take up the all pollution control measures so as to comply with Board directions. With regard to the erection of CAAQM stations in the villages, the Power Plants have informed that the villagers are not coming forward to give the land / permission for erection of CAAQM stations.

The Committee suggested that all thermal power plants shall contact the local Villagers / School management and shall establish display boards in the villages / schools to know the status of the ambient air quality in the nearest Villages/Schools.

**Recommendations:**

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

1. All Thermal Power Plants shall achieve 100% fly ash utilization as per Fly Ash Notification dated 25.05.2015.
2. All Thermal Power Plants shall operate water sprinklers at coal stock yards adequately to maintain wet condition of coal, so as to control fugitive dust emission to the surrounding area.
3. All Thermal Power Plants shall develop the thick green belt along the periphery of the factory premises and on all four sides of coal stock yards as committed by the management.
4. All Thermal Power Plants shall ensure the continuous compliance of CFO & HW Authorization conditions issued by the Board.
5. All Thermal Power Plants shall contact local villagers / School management and install display boards to know the status of ambient air quality in the area.
6. All Thermal Power Plants shall comply with the directions issued by the Board vide order dt.04.04.2016

2. **Edible oil industries located in Pantapalem (V), Muthukur (M), Nellore District.**

The representatives of the Edible Oil industries attended the legal hearing. The Committee noted the poor implementation of action plan submitted by the Krishnapatnam Edible Oil Refineries Association and non-compliance of Board directions. The representative of Edible Oil industries have informed that the request letter was submitted to CE, TGP, Tirupati for permanent allocation of water from Survepalli Reservoir through pipe line. They are yet to receive the approval. They have finalized to take the services of NEERI to prepare project report on erection of CETP and are in the process of placing purchase order to NEERI through the association.

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They informed that ash is disposed to the Brick Kilns or for land filling purpose. They have identified abandoned mines and requested the Dist. Collector for allocating the same abandoned mines for disposal of solid waste. A joint inspection is proposed by RDO with concerned MRO to finalize the issue on 31st August, 2016.

3. M/s. Crux Biotech India Private Ltd., Sy.No. 529(P), 530,531,532 (P), 536 (P), 557(P), 560 (P), Peddavaram (V), Nandigama (M), Krishna District.

The representatives of the industry attended the legal hearing. The Committee noted the non-compliance of the CFO conditions/DireCTIONS. The representative of the industry informed that they have installed the Web Cameras and will be connected to Board’s website by the end of September 2016. They also informed that online stack monitoring system will be connected to APPCB website by the end of September 2016. It was informed that the laying of internal road’s will be completed by the end of October 2016. The representative of the industry has committed to pay the water cess amount as and when assessment order is received by them.

Recommendations:

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

1. The industry shall connect the online stack monitoring system to the Board website within one month as committed by the management.
2. The industry shall provide web camera and digital flow meters at ZLD system and shall be connected to CPCB / APPCB websites within one month as committed by the management.
3. The industry shall not discharge any waste water outside the premises. The industry shall maintain zero liquid discharge for the process effluent. The non process effluent and condensate shall be treated in ETP and meet the Board standards. The treated effluent shall be utilized for the plantation within the premises.
4. The industry shall construct the internal roads within 2 months.
5. The industry shall install real time monitoring system at the outlet of ETP as per the directions of the CPCB.
6. The industry shall file water cess returns since commissioning of the industry and pay the water cess amount as and when assessment order is received.
7. The industry shall ensure the continuous compliance of CFO & HW Authorization conditions issued by the Board.


The representatives of the industry attended the legal hearing. The Committee noted that the SPM Values in the stack attached to the 28 TPH boiler and in the ambient air are exceeding the Standards stipulated by the Board and non-compliance of the Directions. It was also noted that the industry was not operating air pollution control equipment properly. The representative of the industry informed that they will upgrade the ESP attached to the 28 TPH boiler so as to meet the Board’s Standard. They will extend the closed sheds for storage of Husk. It was also informed that they will take up all pollution control measures to comply with Board directions.

Recommendations:

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

1. The industry shall upgrade the air pollution control equipment attached to the 28 TPH Boiler so as to meet the Board’s standards within 6 months.
2. The industry shall provide the adequate no. of closed sheds for storage of raw materials.

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3. The industry shall operate the chippers in closed shed and also store chipped material in closed sheds to control the fugitive emissions.
4. The industry shall provide sampling port with removable dummy of less than 15 cm diameter in the stack of 25 TPH boiler at distance of 5 times the diameter of the stack from the nearest constraint such as bend, tapering, joining of pipe etc. and they should provide a platform with suitable ladder below 1 meter of sampling port to accommodate 3 persons with instruments. The applicant shall also provide a 5 amp.250 V plug point on the platform and also provide adequate personnel, equipment etc. for collecting samples.
5. The industry shall develop the green belt in and around industry premises.

5. M/s. Sai Lakshmi Tulasi Ferros Pvt. Ltd., Plot No.537 & 538, Industrial Growth Center, Gundlapalli (V), Maddipadu (M), Prakasam District.

The representatives of the industry attended the legal hearing. The Committee noted that the non-compliance of the CFO conditions/Directions and the extent of air pollution caused by the industry. The Committee observed that the industry is discharging emissions through bypass arrangements instead of through air pollution equipment. The committee instructed the representative of the industry that they shall disconnect by arrangements immediately and submit compliance report to the Board. The committee has also observed that the industry is producing Silico Manganese without obtaining CFO order of the Board. The representative of industry informed that they have applied for CFO renewal incorporating Silico Manganese product in the application and they will improve the house keeping. It was also informed that they will take up the all pollution control measures to comply with Board directions.

Recommendations:
The Committee after detailed discussions recommended to issue the following directions:
1. The industry shall not manufacture Silico Manganese without CFO order of the Board and Environment Clearance from MoEF, Govt as required under EIA notification 2006 and amendments thereof.
2. The industry shall discharge all air emissions through air pollution control system only and shall disconnect the bypass arrangement immediately and submit compliance report to the Board.
3. The industry shall continuously operate the air pollution control system (Fume Extraction system) to control the fugitive emissions generating from furnace area.
4. The industry shall implement proper measures for handling and disposal of solid waste.
5. 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 non-compliance of the CFO conditions/Directions. The representative of industry informed that they obtained EC for mine lease area of 10.41 acres and obtained CFE & CFO of the Board. It was also informed that they complied with all the directions issued by the Board vide order dt. 06.10.2012 and finally the management is requested the committee for revocation of closure order.

Recommendations:
The Committee after detailed discussions recommended to issue revocation of closure order with following direction:
1. The industry shall adopt necessary pollution control measures during mining, transportation and loading & unloading of mined mineral.
2. The industry shall ensure continuous compliance of the CFO and Hazardous Waste Authorization conditions issued by the Board.

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The representatives of the industry attended the legal hearing. The Committee noted that the non-compliance of the CFO conditions/Directions and the extent of water pollution caused by the industry. The representative of industry informed that they have upgraded aeration tank with diffused aeration system. They will augment the existing ETP with the construction of secondary clarifier, sand filter, activated carbon filter after sanction of funds from Cane Commissioner. They will also provide additional diffused aerated lagoon followed by secondary clarifier/waste stabilization pond after release of funds from Cane Commission Authority.

The representative of the unit has committed that the sewage treatment plant will be constructed and commissioned by the end of March’2017. They will upgrade the Air Pollution Control Equipment by the end of December’2016. It was also informed that it is not possible to construct the closed sheds for Bagasse storage, instead they will provide Barricades for Bagasse yard. It was also informed that they will give the bank guarantee towards installation of online pollution monitoring systems and install the same once sanction of necessary funds from the authority.

Recommendations:

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

1. The industry shall upgrade ETP immediately as committed by the management during the meeting.
2. The industry shall provide additional diffused aerated lagoon followed by secondary clarifier/waste stabilization pond.
3. The industry shall construct 15 days storage capacity pond for treated effluents.
4. The industry shall not store molasses in the unlined lagoons under any circumstances.
5. The industry shall not store untreated effluents in the unlined lagoons under any circumstances.
6. The industry shall not discharge any waste water directly or indirectly into River Sarada under any circumstance.
7. The industry has to construct STP for the treatment of domestic effluents within six months.
8. The industry has to upgrade the air pollution equipment (ESP) attached to 2 x 50 TPH bagasse fired boilers.
9. The industry has to provide closed shed for storage of bagasse or provide suitable dust suppression system to prevent fugitive dust emissions.
10. The industry has to maintain the records for the energy meters attached to the APCE.
11. As per CPCB guidelines, industry shall provide online effluent monitoring system for the parameters pH, BOD, COD and TSS.
12. The industry shall develop greenbelt in all vacant places in the coming monsoon.

8. M/s.Hetero Labs Ltd., (Unit-III) S.No.119, 126, 120, 125 (part), 138 (part), 150, 151/1, 151/2 (part, 158/1, M.Narasapuram Village, Nakkapalli (M), Visakhapatnam District.

The representatives of the industry attended the legal hearing. The Committee noted the non-compliance of the CFO conditions/Directions by the industry. The representative of industry informed that they have manufactured certain unconsented products (04 no’s) for validation and sampling purpose only. It was assured that they will apply for CFE (change of product mix) / CFO order of the Board. It was informed that water meters have been provided at the inlet of unit as well as at all production blocks. They have installed 61 Scrubbers for scrubbing the process emissions for entire facility and out of 61, 25 are multistage scrubbers. They have covered 02 nos. tanks with hoods and vents are connected to scrubbers. For remaining tanks, Purchase Order has been released and will be completed by the end of September’2016. They will install meters for utilities (Cooling Towers) by end of September’2016. They implemented new system of drum cleaning to avoid mis-happenings.

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The representative of industry informed that they have provided safety measures for Hazardous storage yard i.e water cum foam sprinklers have been provided to take of any fires in the shed, Portable fire extinguishers have been provided, Gates have been provided with lock and key arrangement for restricted entry into the waste storage yard, Leachate collection pit has been provided to collect any leakages from the storage yard.

The management has appraised the committee that they have applied for common environmental clearance for merging of M/s.Hetero Drugs Limited, Unit-VI and M/s.Hetero Labs Limited, Unit-III to the Ministry of Environment and Forest and copy will be submitted as and when received.

Recommendations:

The Committee after detailed discussions recommended to issue the following directions:
1. The industry shall not manufacture of any un-consent products without obtaining CFE / CFO order of the Board.
2. The industry shall install water meters for utilities (Cooling Towers) also within one month.
3. The industry shall install online pH meters for all the scrubbers of all production blocks.
4. The industry shall install Nitrogen blanketing system for remaining 12 nos of solvent storage tanks as committed by the management.
5. The industry shall cover HTDS effluents equalization tanks and connected to the scrubber to prevent VOC emissions within one month as committed by the management.
6. The industry shall install electromagnetic flow meters for HTDS and LTDS effluents before pumping them to CETP located in M/s.Hetero Infrastructure System (SEZ) for further treatment.
7. The industry shall ensure continuous compliance of CFO & HW Authorization the conditions issued by the Board vide order dt.08.08.2015.


The representatives of the industry attended the legal hearing. The Committee noted the non-compliance of the CFO conditions/Directions by the industry. The representative of industry informed that they have installed online web camera and connected to CPCB website in the month of July 2016. They have submitted the purchase order for auto recording facility for existing online pH meters. They started erection work of closed sheds for storage of coal and it will be completed by the end of September, 2016. It was also informed that erection of Solvent Recovery System completed and commissioned in the month of July, 2016 and trails are going on. The representative has informed that they have contained the leakages from the pumps and increased area for de-toxication of the containers / chemical drums.

Recommendations:

The Committee after detailed discussions recommended to issue the following directions:
1. The industry shall provide online pH meters to all the scrubbers within one month as committed by the management.
2. The unit shall take necessary measures to avoid leakages of the pumps and see that the pumps are placed on a acid proof concrete platform as per CFO order condition.
3. The industry shall commissioned the solvent recovery system and recover the solvents from the spent solvents available within the premises.
4. The industry shall complete the erection of coal storage shed within one month as committed by the management.
5. The industry shall take all measures during the transportation of effluent to CETP, JNPC, Parawada.
6. The industry shall ensure continuous compliance of CFO & HW Authorization conditions issued by the Board vide order dt.09.05.2015.

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The committee recommended to EE, RO, Visakhapatnam to take necessary action for implementation of issuing of online manifesto copies from Ramky to Member industries located at JNPC, Parawada.

10. M/s. Visakhapatnam Port Trust, Port Area, Visakhapatnam.

The representatives of the industry attended the legal hearing. The committee noted the non-compliance of CFO order conditions and the directions of the Board. The committee discussed issues relating to covering of all stock yards of dusty cargos with tarpaulin, action plan for reorganization of coal stacking yards which are nearer to the city and re-furnishing of all the existing mechanical dust suppression systems.

The industry has informed that port handles coal and other cargos at three major areas i.e. at S4 area (1.50 Lakh sq.m.), West ore berth (2.35 lakh sq.m) and S6 area i.e R4/R10 areas (1.72 lakh sq.m). Except while handling coal most of the time all the coal stock yards are fully covered with tarpaulins. Present they have covered 80% of stock yards of dusty cargos with tarpaulins. The representative of the industry informed that they preparation of tender document for refurbishment of STP is entrusted to ASCI, Hyderabad and the same is under progress. Work will be completed by 31.03.2017. They informed that the stack yard allotted to M/s. ABG infra logistics (WQ 6 berth project) is surrounded by 7.5 m high-rise wall as permitted in CFO by APPCB. However, there is no cargo at present.

They also informed that the reorganization of the stock yards is in progress and the dust generating stacks such as coal will be shifted to the inner side of the harbor and non-dusty cargos viz. Steel, Granite blocks, project cargo etc. to the periphery by end of December 2016. Now, the coal stacks from North of S-4 conveyor are already shifted and a small quantity exist at S-6 conveyor area will be vacated soon. It was also informed that 2 CAAQM stations are installed and other CAAQM station in Municipal stadium in one town area will be installed by end of this month and data will be uploaded to APPCB and CPCB website by end of September 2016. Finally, the management informed that they will take all the pollution control measures to comply with the directions issued by the Board.


The representative of the industry did not attend the legal hearing. The committee recommended to review the status in the next legal hearing.

12. M/s. SAMKRG Pistons and Rings Limited (unit-III), Arinamaakkivalasa (V), Etcherla (M), Srikakulam District.

The representatives of the industry has not attended the legal hearing. The committee noted that the industry had complied with all the directions issued by the Board vide order dt.26.02.2014. The EE, RO, Vizianagaram has also appraised the committee about the compliance of the directions by the industry and at present no pending issues.

Recommendations:

The Committee after detailed discussions recommended to return the Bank Guarantee of Rs.4.0 Lakhs (2.0 lakhs under Water Act & 2.0 lakhs under Air act.) to M/s. SAMKRG Pistons and Rings Limited (unit-III), Arinamaakkivalasa (V), Etcherla (M), Srikakulam District as they have complied with the directions.


The representatives of the industry attended the legal hearing. The Complainants of Sri. Krishna Rao, Mr. Surya Rao and others have attended before the External Advisory Committee (Task Force) Meeting on behalf of the petitioners, Mr. Krishna Rao informed that the industry is
in operation for the last 30 Years. Industry is dumping the rejected material & plastic on industries own land adjoining their colony area of around 3 acres. Dust and plastics carried by air currents are causing pollution problems to the inmates of the colony. Similarly the industry is storing process sludge in unlined logon in the premises due to which ground water gets polluted and as such the water is unusable and potable. The complainants requested the committee to direct the industry to solve the all the grievances in addition to the supply of water.

The Committee observed the non-compliance of the Conditions of CFO order and directions of the Board. The representative of the industry attended the legal hearing and informed that they will segregate the plastic and explore the possibility of sending plastic to cement industries for co-incineration in the kiln. Further, stated that the process sludge is having calorific value of around 2800 Kilo Cal/kg and exploring the possibility of using process sludge in the cement industries as an alternative fuel. The industry has also assured that the ETP sludge dumped in the lagoons will be lifted and stored on a concrete raised platform.

Recommendations:

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

1. The industry shall immediately contact the cement industries and shall explore the possibilities of using plastic waste and process sludge in the cement industries for co-incineration / co-processing. The industry shall store process sludge and plastic waste in a safe manner within the premises and avoid being carried away to the surrounding environment.

2. The industry shall remove the ETP sludge dumped in the lagoons and store the sludge on raised concrete platform to avoid seepage of effluents into the ground water, within one month as committed by the management.

3. The industry shall provide piezometric wells around the lagoons where ETP sludge was dumped and carryout ground water monitoring to know the extent of ground water pollution taken place due to the dumping of ETP sludge.


The Committee recommended to direct the EE, RO, Vizianagaram to collect water samples of bore wells in the upstream and downstream around the premises of the ETP sludge/process sludge dumped area so as to ascertain the extent of ground water pollution being caused due to the dumping of ETP/process sludge and submit the report within one month so as to review the status in the next legal hearing.


The representatives of the industries and Commissioner, Bhimavaram Municipality have attended the legal hearing. The Commissioner, Bhimavaram Municipality informed that the extent of land Acres 14.56 cents was acquired in R.S.No.318/3 Yanamaduru Village for compost yard of Bhimavaram Municipality for Dumping of Garbage generated in Bhimavaram Municipal Area. But one S.L.P.425/2013 (CC No.15373/2013)was filed by Rythu Sev Sangam, Yanamaduru in the Honourble Supreme Court against Bhimavaram Municipality for not using of the land as compost yard. That case was pending in the Honourble Supreme Court of India. At present there is no compost yard in Bhimavaram Municipality. So, the garbage generated by the households and commercial establishments in Bhimavaram Municipal limits is being dumped adjacent the Yanamaduru Drain bund. The Bhimavaram Municipality is continuously pursuing the land allocation issue with the District Collector and for the other remedial issues. The Honourable MLA, Bhimavaram, Chair Person, Bhimavaram Municipal Council are also trying to resolve the compost yard problem as early as possible. After acquisition of land for
compost yard i.e., after judgement coming in favour of Bhimavaram Municipality in Honourable Supreme Court or after allocation of land by the revenue Authorities the Municipality will stop to utilize the bund of the yenamadurru kodu as a dump site.

It was also informed that Bheemavaram Municipality is proposing 8 MLD sewage treatment plant under AMRUTH scheme of Government of India during the year 2016-2017 with a cost of nearly Rs. 17 Crores. Now, the proposal is under Administration sanction process.

The Solid Waste dump on the opposite bund of Yenamadurru near confluence of river Gosthani and at Garagaparru (refer Y17-Y22) is not coming under Bhimavaram Municipal limits.

After detailed discussions with Commissioner, Bheemavaram Municipality, it is recommended to issue the following directions to the Commissioner, Bheemavaram Municipality:

a. The Bheemavaram Municipality shall submit action plan with time lines for construction of STP of 13.5 MLD
b. The Bheemavaram Municipality shall submit an action plan for scientific disposal of solid waste by proposing “Waste to Energy Plant” under the Government of India Schemes.

c. The Municipality shall take all measures to ensure that no odour nuisance is caused because of solid waste disposal and sewage discharge in the Yenamadurru drain.

**Industrial discharges:**

The committee noted that Yenamadurru drain is receiving treated effluents mainly from M/s Delta Papers Ltd., and Prawn processing units. The committee also observed that upstream of Bheemavaram, waste water of Tanuku Municipality is also joining Sattiwada drain ultimately join Yenamadurru drain. The waste paper and straw based units are located adjacent to Sattiwada drain. The committee has recommended that all the industries located at upstream of Bheemavaram town and Tanuku area shall ensure that the treated effluents confirm to the Board’s standards. The committee also opined that the Board shall keep strict vigilance on all these industries to ensure that they comply with consent conditions and discharge standards.

All the industries shall submit action plan within one week to RO, Eluru incorporating the following with a specific time line:

1. The existing ETPs shall be evaluated by reputed agency within two months.
2. The existing ETPs shall be upgraded as necessary.
3. The industry shall maintain digital flow meters and energy meters for accounting of effluent treatment.
4. All the industries shall have atleast two days storage capacity of treated effluent to facilitate the Board to check the quantity of treated effluents.

The Committee recommended to direct EE, RO, Eluru to consolidate the action plans furnished by the industries and monitor all the industries and Municipality and submit industry wise detailed report for next legal hearing. The EE, RO, Eluru in coordination with ZO, Visakhapatnam shall carry out intensive monitoring of Yenamadurru drain in particular after the rainy season while the water flow in Yenamadurru drain is minimum.