AGENDA No.06 - a :

Name and Address of the industry : M/s.SSP Sponge Iron Pvt. Ltd., Sy.No.98 of D.Hirehal (V & M), Anantapur District.

Current Status : The industry is in operation.

Nature of industry : Manufacturing of Sponge Iron.


Whether the industry is closed earlier : --

Details of revocation of closure/stop production orders, if issued. : --

Any unconsented products produced : --

Whether it is Fresh case / Old case and its Status : Old case. Directions issued on 28.05.2016 & 08.12.2017.

Reasons for current review : Non-compliance of Board directions.

Recent inspection Conducted by : SEE, HO, Legal Cell inspected the industry on 24.01.2019 under randomized risk based inspections.

Bank Guarantee status : --

FACTS OF CASE:

1. M/s.SSP Sponge Iron Pvt. Ltd., is located at Sy.No.98 of D.Hirehal (V & M), Anantapur District and manufacturing Sponge Iron – 100 TPD (At present only 40 TPD).
3. The Board has reviewed the status of pollution control measure taken by the industry on 13.05.2016 and committee recommended to issue certain directions. Accordingly the Board has issued specific directions to the industry on 28.05.2016.
4. A complainant was received from Sri S.Sanna Timma Reddy, Sri Adi Muthry, Smt. Sidhamma and others on 23.09.2016 against air pollution caused by the industry and damage to their crops. Earlier also there were complaints received against the industry with regard to Crop damage due to dust pollution.
5. The Board has reviewed the status of pollution control measure taken by the industry on 16.11.2017 and committee recommended to issue certain directions. Accordingly the Board has issued specific directions to the industry on 08.12.2017.
6. The SEE, ZO, Kurnool inspected the industry on 04.01.2019 and observed the following:

   a. The industry has obtained CFO renewal which is valid upto 30.09.2019.
   b. The industry is manufacturing to the tune of 60 – 65 TPD by operation of 1 kiln.
   c. The industry has not laying internal concrete roads but it has provided water sprinkling arrangements within the premises. There is a need for installation of additional sprinklers especially along the road from entrance to the kiln.
   d. The industry has not maintained records of functioning of all air pollution control equipment.
   e. The industry has not laid internal concrete roads but it has provided water sprinkling arrangements within the premises. There is a need for installation of additional sprinklers especially along the road from entrance to the kiln.
   f. The industry started its operation on 08.06.2017 after a long gap.
   g. The industry has not provided sheds to store Iron Ore & Dolachar and storing the raw materials in the open area. The industry as stored Iron Ore, Coal & Dolachar in open area and thereby giving a scope for generation of fugitive emissions.
Fugitive emissions were observed near the discharge point in the cooler discharge, transfer point of product house and raw material crushers. Emissions are escaping through ABC cap as the ESP is not functioning well.

Water sprinkling is being done at various corners of the industry and transfer points during inspection. However, the industry has to provide water sprinklers along the approach road to arrest the dust emissions generated due to plying of vehicles.

Housekeeping is not maintained well and as a result lot of dust is being emanated and resulting in more fugitive emissions.

Recommendations of SEE, ZO, Kurnool:

a. The industry has to procure online monitoring system for the stack attached to kiln and shall install AAQM stations immediately.

b. The industry shall lay internal concrete roads to avoid fugitive emissions during the movement of vehicles. However, the industry has provided water sprinkling arrangements here and there, but not all along the roads. The industry shall provide fixed type sprinklers in a systematic way so as to control the fugitive emissions especially in the raw material storage area.

c. The industry shall maintain records of functioning of air pollution control equipment.

d. The industry shall not store raw material / dolochar outside the sheds.

e. The industry shall provide internal roads to avoid fugitive emissions.

f. The industry shall develop green belt in the gaps of the boundary of the premises.

g. In view of the non-compliances of the directions issued by the Board, it was recommended to review the industry before EAC (TF) and initiate action under Sec.31(A) of Air Act.

The SEE, HO, Legal Cell inspected the industry on 24.01.2019 under randomized risk based inspections and observed the followings:

a. The industry has not provided water meters. This is essential to monitor the water consumption for dust suppression and its regular operation to prevent fugitive dust emissions. The sprinklers provided for dust suppression were not in operation.

b. The industry has also not provided online emission monitoring system. They have not provided activation recorder for emergency cps to monitor the operation of ESPs and also to prevent bypass of emissions. The ESP was not in operation and emissions are being bypassed through emergency vents. Even though the Board issued specific directions for compliances, the industry has not complied even after giving commitments in writing to the Board.

c. The emissions were being bypass through the emergency vent and they were not in a position to stop bypassing the emissions and operate APCE efficiently.

d. The industry has not installed separate energy meter for operation of APCEs.

e. The industry has not laid concrete or asphalt internal roads to avoid fugitive dust emissions.

f. Fugitive dust emissions were observed near cooler discharge, product house etc. The industry is not collecting APCE dust properly. As per Board monitoring reports the fugitive emissions are exceeding the standards. During previous inspection of Board officials on 04.01.2019 the stack emissions are also exceeding the standards.

g. As reported above the APCE are not in working condition.

h. Two inch thick layer of dust is accumulated in the process area indicating poor operation and maintenance of APCE. This is resulting in re-suspension of dust during heavy winds.

i. The industry could not produce records pertaining to production and logbooks of pollution control systems.

j. The officials of ZO, Kurnool conducted Air Quality Monitoring on 04.01.2019 and SPM Concentration was 268 mg/Nm\(^3\) against standard of 100 mg/Nm\(^3\). The Particulate matter in fugitive emission monitoring conducted near separation house at distance of 10m was 3766 µg/m\(^3\).

Recommendations of SEE, Legal Cell:

The industry shall not operate until they rectify the defects in air pollution control equipment, provide activation recorder for emergency cap, provide online stack emission monitoring system.

Conclusion:

In view of the above, the External Advisory Committee is requested to discuss the issue and recommend further course of action.