DIRECTIONS

Sub: APPCB – UH-II - TF - M/s. Parasakti Cement Industries Ltd., (Cement Plant), Jettipalem village, Rentachintala Mandal, Guntur District – Non-compliance of Consent conditions – Public complaints received against the industry – Legal hearing held on 16.05.2018 - Directions - Issued - Reg.

Ref:
2. Representation received from Sri B. Srinivasa Reddy R/o Jettipalem village, Rentachintala Mandal, Guntur District through Meekosam, Collectorate, Guntur on 12.03.2018.
5. Minutes of External Advisory Committee (Task Force) Meeting held on 15.05.2018.

WHEREAS you are operating Cement plant in the name and style of M/s. Parasakti Cement Industries Ltd., (Cement Plant) at Jettipalem village, Rentachintala Mandal, Guntur District.

WHEREAS the Board vide reference 1st cited, issued CFO to operate the unit on 22.08.2015, which is valid for the period upto 31.10.2020 to produce Cement (OPC & CPC) of 3818 TPD (1.26 Million TPA inclusive 1.2 Million TPA of clinker production), subject to compliance of the conditions stipulated therein.

WHEREAS the EE, RO, Guntur vide reference 2nd cited, received a complaint from Sri B. Srinivasa Reddy R/o Jettipalem village, Rentachintala Mandal, Guntur District through Meekosam, Collectorate, Guntur on 12.03.2018, endorsed by the District Administration to Deputy Director, Horticulture Dept., Guntur to prepare estimation for crop loss and to the EE, APCCB, RO, Guntur to put up the report for recovery from the industry. The complainant Sri B. Srinivasa Reddy, represented that his agriculture fields located at Sy. No.509/1 & 509/2 of Jettipalem village, Rentachintala Mandal, Guntur District was severely damaged due to dust cover formed over the red chillies crop from non-suppressed fugitive dust emissions emanated from M/s. Parasakti Cement Industries Limited, Jettipalem village, Rentachintala Mandal, Guntur District and also stated he has incurred huge financial loss due to recurrence of crop damage since several years.

WHEREAS the officials of RO, Guntur inspected M/s. Parasakti Cement Industries Limited, & surroundings at Jettipalem village, Rentachintala Mandal, Guntur District along with the complainant on 21.03.2018 and reported the following as observed:

i. The Line-2 of the cement production of about 2650 TPD capacity is under operation at the time of inspection. The Line-1 of the Cement production is temporarily stopped.

ii. Fugitive dust emissions are emitting from bag filter at top of the Clinker Silo-2 and also from the leakages in the roof cover, which became air borne and non-suppressed.

iii. Large scale fugitive emissions observed from feeding & suction lines of clinker silo-2 and from stacking of clinker openly

iv. The clinker silo-1 is covered with roof, but no side walls are provided and some part of the clinker is stacked openly. The loading and unloading activities are generating dust emissions and these emissions became air borne fugitive dust emissions in the surroundings

v. Water sprinklers at the lime stone stacker feeding line are discontinuous and generating fugitive dust emissions from the tip & shoulders of lime stone stacked heap in the absence of water sprinkler operation.
vi. The haul roads leading to lime stone crusher dumper and 'amp are not paved and the vehicle movement and dumper unloading activities are generating lot of fugitive dust emissions and casing air pollution problems.

vii. Leakage from storage bins of raw materials of laterite, alumina and coal; and leakages from transfer points are observed to be generating fugitive dust emissions and they are not suppressed at source of generation.

viii. Coal is stored partially under closed sheds and partially stored openly. The loading and unloading activities are generating fugitive dust emissions and air borne non-suppressed coal dust is causing air pollution problems.

ix. The online continuous monitoring data for continuous monitoring of various pollutants in the vent gases from the stacks and AAQ monitoring data fluctuating and largely inconsistent. The minute intervals recorded values are showing far excess of the prescribed standard for SPM & NOx; no recorded value for SOx.

x. The agriculture fields of complainant Smt B. Sreensivas Reddy at Sy.No.509/1 & 509/2 of Jettipalem village are located within 100 meters towards West-SW of the lime stone crusher and haul roads using for transportation of Run of Mine, within 250 meters from the crushed lime stone stacking heap & Other raw materials stacking sheds. The non-suppressed fugitive dust emissions generated from loading & unloading activities at the above emission generating activities & re-suspension dust were air borne and resulting in air pollution problems in the surroundings of the industry.

WHEREAS the EE, RO, Guntur vide reference 3rd cited, has issued notice to the industry on 23.03.2018 to immediately implement adequate dust containment/suppression measures and shall maintain them intact during operational/non-operation phase of the plant to ensure compliance of prescribed standards; to operate the air pollution control equipments provided to Coal mill & Cement mill-II effectively to ensure compliance of emission standards prescribed by the MoEF & CC, GoI through notification dt. 25.08.2014. The industry has submitted a reply on 02.04.2018 stating that they are rectifying the lapses observed and taking measures to mitigate dust emissions.

WHEREAS the EE, RO, Guntur vide reference 4th cited, has furnished inspection report and requested that the status of the industry may be reviewed before the External Advisory committee on non-compliance of consent conditions and reasons caused for air pollution problems in the surroundings; measures implemented to rectify the lapses in detail and to review for specific action plan to prevent re-occurrence of air pollution problems in the surroundings of the plant.

WHEREAS legal hearing was conducted before the External Advisory Committee (Task Force) of A.P. Pollution Control Board in its meeting held on 16.05.2018. The representatives of the industry and complainant attended the legal hearing. The Committee noted that the Board received a complaint filed by Smt B. Sreensivas Reddy, that his agriculture fields located at Sy. No.509/1 & 509/2 of Jettipalem village, Rentachintala Mandal, Guntur District was severely damaged due to dust cover formed over the red chilies crop from dust emissions emanated from industry and also stated he has incurred huge financial loss due to recurrence of crop damage since several years. The committee also noted that the Dy.Director, Horticulture Dept., Guntur furnished the crop damage assessment report to the RO, Guntur on 17.04.2018 estimating complainants crop loss due to dust pollution. The committee further noted the non-compliance of Board directions. The EE, RO, Guntur has informed that the industry has provided air pollution control equipment at all the point emission sources such as ESP, RABH (Bag house), bag filters etc. with regard to fugitive dust suppression, the industry has adopted water sprinkling system along haul roads and other stacking areas. They conducted monitoring of stacks and ambient air quality at the industry premises on 20.12.2017. The recorded values for PM10 is 134.6 µg/m³ & 75.6 µg/m³, when monitored near main gate within the premises & near mines view point respectively. It was observed that the recorded values of ambient air quality monitoring conducted for PM10 at the industry premises are exceeding the prescribed standard of 100µg/m³. It was informed that during the inspection fugitive dust emissions are emitting from bag filter at top of the Clinker Silo-2 and also from the leakages in the roof cover, which became air borne and non-suppressed. Large scale fugitive emissions observed from feeding & suction lines of clinker silo-2 and from stacking of clinker openly. It was further informed that Coal is stored partially under closed sheds and partially stored openly. The loading and unloading activities are generating fugitive dust emissions and air borne non-suppressed coal dust is causing air pollution problems. The representative of the industry informed that Line-1 of the cement production temporarily stopped and Line-2 of the cement production is in operation. They informed that during inspection fugitive dust emissions are leaking from bag filter at top of the clinker silo-2 due to clinker Silo-2 shed covering work is in progress and will be completed by end of this month. It was also informed that Leakage from
storage bins of raw materials viz. laterite, alumina and coal are arrested. Auxiliary bag filters are provided for all the raw material storage bins and also at each transfer point. Additional water sprinklers are provided and functioning at feeding belt conveyors. It was further informed that construction of another coal shed is under progress, coal heaps in open area is covered with Tarpaulins.

After detailed review the committee recommended to issue the directions. The Board is hereby issue the following directions under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec.31 (A) of Air (Prevention & Control of Pollution) Amendment Act, 1987:

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 provide the required pollution control systems and maintain the same intact to control the fugitive dust emissions from feeding & suction lines of clinker silo and from material transfer points.
3. The industry shall expedite plan of action for continuous compliance with revised emission standards prescribed by the MoEF & CC, GoI through notification dt.10.05.2016 for cement plants.
4. The industry shall closely monitor the stack emission and CAAQM data and shall take immediate corrective action to ensure compliance of the prescribed standards.
5. 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.
6. The industry shall increase the water sprinklers and shall operate them continuously for effective dust suppression.
7. The industry shall not store clinker, coal & other dusty materials openly, under any circumstances.
8. The industry shall provide concrete pavement for all the internal roads in the plant to avoid fugitive dust emissions within 3 months.
9. The Industry shall develop and maintain thick green belt all along the boundary of the industry premises to achieve minimum 33% area of the total project site.
10. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

You are hereby directed to note that, should you violate any one of the directions mentioned above, action will be initiated under Sec.33 (A) of Water (Prevention & Control of Pollution) Amendment Act, 1988 and Sec.31(A) of Air (Prevention & Control of Pollution) Amendment Act, 1987 without any further notice, in the interest of Public Health and Environment.

This Order comes into effect from today i.e., 08.06.2018.

Sd/-
MEMBER SECRETARY

To
M/s. Parasakti Cement Industries Ltd., (Cement Plant),
Jettipalem Village,
Rentachintala Mandal,
Guntur District.

Copy to:
1. The Joint Chief Environmental Engineer, Zonal Office, Vijayawada for information and necessary action.
2. The Environmental Engineer, Regional Office, Guntur for information and necessary action.

// T.C.F.B.O //

JOINT CHIEF ENVIRONMENTAL ENGINEER

UH-II