ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14, D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari street, Kasturibalpet, Vijayawada – 520 010

Regd. Post With Ack Due

Order No.423/APPCCB/UH-II/TF/KNL/2018-


REVOCATION OF CLOSURE ORDER

Sub: APPCB – UH-II - TF – M/s. Sri Raghavendra Swamy Pyrolysis Industries,
Sy.No.190-1B, Regadikottur Road, Akuledu (V), Singanamala (M), Anantapur
District – Industry requested for Revocation of Closure Order– Legal Hearing held on

Kurnool.
2. Industry representation dt.16.05.2018.
4. Minutes of External Advisory Committee (Task Force) Meeting held on
04.07.2018.

WHEREAS you are operating Tyre Pyrolysis oil unit in the name and style of M/s. Sri
Raghavendra Swamy Pyrolysis Industries, Sy.No.190-1B, Regadikottur Road, Akuledu (V),
Singanamala (M), Anantapur District to produce Pyrolysis Oil.

WHEREAS the Zonal Office, Kurnool vide reference 1st cited, has issued Closure order to the
industry on 09.04.2018 for operating the industry 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.

WHEREAS vide reference 2nd cited the industry has submitted the compliance status to RO,
Kurnool on the directions issued by the Board for implementation of requisite facilities and
Standard Operating Procedures (SOPs) for tyre pyrolysis units and requested for revocation of
closure orders issued by the Board.

WHEREAS vide reference 3rd cited, the officials of RO, Kurnool have inspected the industry on
01.06.2018 and furnished report as follows:

1. The industry has installed hydraulic steel wire removal machine for removal of steel wire
from the tyre.
2. The industry has installed 01 No of compressor of 7.5 HP having of pump of capacity 0.5
HP for pumping the tyre pyrolysis oil for initial heating of the reactor and there after
pyrolysis gas generated is being for complete heating of the reactor.
3. The industry is letting the excess pyro gas into the pipe and is being flared at the top of
the chimney which is about 30 mtrs above the ground level.
4. The industry has provided Temperature gauges and analog pressure gauges for the
pyrolysis reactor. The industry has installed Programmed Logic Control systems in such
away that, the heating of the reactor stops in case of increase of temperature or
pressure and the pyro gas will be flared at the chimney. The PLC purchased from M/s,
Divya International, Gujarat.
5. The industry is collecting the condensed oil from the pyrolysis reactor into closed tanks
and the transfer oil is being carried out using pumps into the storage tanks.
6. The industry has provided nitrogen cylinders – 2No’s for purging the reactor before
opening of the main door of the reactor for removal of carbon.
7. The industry has constructed shed for the storage of carbon and has provided duct at
the mouth of pyro reactor and the carbon from the pyro reactor in being collected into the
jumbo bags through rotation of the reactor.
8. The industry has provided sensors with alarm near the reactor to detect the leakages of
any flammable gases.
9. The industry has provided fire hydrant line with diesel pump and also fire extinguishers
in the premises.
10. The industry has furnished the license from factory dept., and gram panchayat.
11. The industry is disposing the carbon black to M/s. Zusai Cements, M/s. Dalmia Cements,
Kadapa District through M/s. Prasanna Traders, Nellore.
12. The industry generates waste water i.e., Pyro Water from process. The industry has provided collection tank and after pre-treatment, the industry has proposed to dispose the Pyro Water (oil contaminated with water) from process to TSDF, Parawada, Visakapatnam/ M/s Dalmia Cements for co-processing in cement kiln.

13. The industry has obtained membership in M/s. Coastal Waste Management Project, Parawada and proposes to lift the oil sludge/Residues to TSDF, Parawada.

WHEREAS legal hearing was conducted before the External Advisory Committee (Task Force) of A.P. Pollution Control Board on 04.07.2018. The representatives of the 2 No.s of industries attended the legal hearing. The Committee noted that the Zonal Office, Kurnool has issued closure orders to the industry on 09.04.2018 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 the industry has installed steel removal machine from the tyre and proposed to load the tyres 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 Kurnool has informed that the industry has 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, Parawada.

It was also informed that they will apply for CFO within one week. Finally the industry requested for revocation of closure order as they have complied all directions issued by the Board.

After detailed discussions, the Committee recommended to issue Revocation of Closure order with certain directions. Accordingly, the Board hereby issues Revocation of Closure order with 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 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 use only liquid fuel or gas for initial heating of the reactor. The chimney height shall be maintained at 30 mtrs for releasing the flue gas into the atmosphere. 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.

M/s A.P.S.P.D.C.I., has been requested to restore power supply to M/s. Sri Raghavendra Swamy Pyrolysis Industries, Sy.No.190-1B, Regadikottur Road, Akuledu (V), Singanamala (M), Anantapur District.

You are hereby directed to note that, should you misuse this order and violate any one of the conditions mentioned above, your unit will be closed under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988, and under Section 31 (A) of Air (Prevention & Control of Pollution) Amendment Act, 1987, in the interest of Public Health and Environment and you will be also liable for prosecution in the Court of Judicial Magistrate First Class under Sec.41 (2) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec.37 (1) of Air (Prevention and Control of Pollution) Amendment Act, 1987, the punishment for
which includes imprisonment for a term which shall not be less than one year six months and which may be extended to six years and with fine.

This Order comes into effect from today i.e., 21.07.2018.

Sd/-
MEMBER SECRETARY

To
M/s. Sri Raghavendra Swamy Pyrolysis Industries,
Sy.No.190-1B, Regadicottur Road,
Akuledu (V), Singanamala (M),
Anantapur District-515004.

Copy to:
1. The Managing Director, Southern Power distribution company of A.P. Limited, D.No.19-13-65/A, Srinivasapuram, Tiruchanoor Road, Tirupati – 517503, Chittoor dist for information and necessary action.
2. The Superintending Engineer (Operations), A.P. S.P.D.C.L., Anantapur for information.
3. The Joint Chief Environmental Engineer, A.P. Pollution Control Board, Zonal Office, Kurnool for information and necessary action.
4. The Environmental Engineer, A.P. Pollution Control Board, Regional Office, Kurnool for information and necessary action.

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II