Order No.404/APPCB/UH-II/TF/KKD/2018 -

REGOVAION OF STOP PRODUCTION ORDER


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WHEREAS you are operating an industry in the name and style of M/s. Ruchi Soya Industries Limited, (Formerly M/s. Ruchi infrastructure Ltd.), New port area. Beach Road, Kakinada, East Godavari District engaged in manufacturing of Vanaspathi – 400 TPD, Vegetable refined Oil – 800 TPD & Textured Soya Protein – 50 TPD.


WHEREAS the JCEE, ZO, Visakhapatnam vide reference 2nd cited, has issued show cause notice to the industry on 03.01.2018 for non-compliance of consent conditions and Board’s standards.

WHEREAS the Board has reviewed the status of pollution control measure taken by the industry before External Advisory Committee (Task Force) during the Meeting held on 24.05.2018 and issued stop production order to the industry on 01.06.2018 vide reference 3rd cited for non-compliance of consent conditions by not operating the ZLD system at their unit, not operating the tertiary treatment system etc., and for not rectifying the lapses inspite of ample opportunity was given to the industry.

WHEREAS vide reference 4th cited, the industry vide letter dt.14.06.2018 requested for revocation of stop production order stating that they have rectified the lapses and completed all works specified by the Board and new ETP, RO and MEE plants are in working condition.

WHEREAS vide reference 5th cited, the officials of RO, Kakinada inspected the industry on 16.06.2018 & 20.06.2018 and recorded the following observations:

a) The industry is not in operation, in compliance with the Stop Production Orders issued by the Board vide order dt.01.06.2018.
b) The industry has an ETP consisting of Collection Tank, Equalization Tank, Oil & Fat collection Tank, Neutralization tank, Primary Clarifier, Anaerobic reactor, Defused aeration tank, Secondary Clarifier and sludge drying beds and RO Plant followed by forced evaporation system with ATFD to meet zero liquid discharge. The industry has replaced the diffused aeration system in the aeration tank after issue of Stop Production Order and the unit is in the process of installation of additional diffused aeration tank of capacity 90KL in order to improve the aeration system further. The existing diffused aeration system is in operation at the time of inspection. The representative of the unit informed that they are in the process of development of bacteria in the aeration tank in order to stabilize the ETP. The unit has an RO plant of capacity 6KL/hr. to treat the treated wastewater from the ETP. The unit has to utilize the RO permeate of 75% for boiler & cooling tower makeup. During the inspection, it was observed that the unit is in the process of rectification of pipelines connected to RO plant and operating the RO plant with fresh water in order to rectify the...
teething problems while operating the RO plant. The 25% of RO rejects shall be treated in FE system followed by ATFD of 1.5KL/hr. capacity. The industry replaced the damaged pipelines connected to FE system and installed digital flow meter to record the feed to FE system for treatment.

c) The industry has provided digital flow meters at raw effluent storage tanks of 200 KL capacity, Equalization tank inlet, RO inlet to record the wastewater generation and for quantification of treated effluent. The industry has to maintain log books pertaining to effluent generation, treatment in ETP, RO and FE system.

d) The industry has common chimney for 25 TPH Boiler & 12 TPH Boiler (standby) with stack height of 32 mtrs. The industry has provided ESP as APCE to the 25 TPH boiler and Bag filters (294 Nos.) to the 12 TPH standby boiler. The unit has covered pneumatic ash handling system with 60 Tone capacity silo for storage and handling of ash generated from the fuel burning in the boiler. The industry has also 2 Nos. of Thermic Fluid Heaters of 10 Lakhs K.Cal/hr & 25 lakhs K.Cal/hr (Standby) for which the industry provided dust collector as APCE with stack height 17mtrs., each.

e) The unit has provided individual energy meters at ETP, RO plant and FE system. The industry has to maintain log registers to record the energy readings, in order to verify the operational status of ETP, RO plant & FE system.

WHEREAS legal hearing was conducted before the External Advisory Committee (Task Force) Meeting of A.P. Pollution Control Board on 03.07.2018. The representatives of the industry attended the legal hearing. The Committee noted that Board issued stop production order to the industry on 01.06.2018 for non-compliance of consent conditions and for not operating the ZLD system at their unit, not operating the tertiary treatment system. The committee also noted that they have provided ETP consisting of Collection Tank, Equalization Tank, Oil & Fat removal tank, Neutralization tank, Primary Clarifier, Anaerobic reactor, Defused aeration tank, Secondary Clarifier and sludge drying beds and RO Plant followed by Forced Evaporation system with ATFD to meet zero discharge. The industry has replaced the diffused aeration system in the aeration tank after issue of Stop Production Order and the unit is in the process of installation of additional diffused aeration tank of capacity 90KL in order to improve the aeration system further. The representative of the industry informed that they replaced the damaged pipelines connected to FE system and installed digital flow meter to record the feed to FE system for treatment. It was informed that they provided digital flow meters at raw effluent storage tanks of 200 KL capacity, Equalization tank inlet, RO inlet to record the wastewater generation and for quantification of treated effluent. They provided individual energy meters at ETP, RO plant and FE system. It was further informed that they provided ESP as APCE to the 25 TPH boiler and Bag filters (294 Nos.) to the 12 TPH standby boiler. The unit has pneumatic ash handling system with 60 Tonnes capacity silo for storage and handling of ash generated from the boiler. The EE, RO, Kakinada informed that during the inspection, it was observed that the unit is in the process of rectification of pipelines connected to RO plant and operating the RO plant with fresh water in order to rectify the teething problems while operating the RO plant.

After detailed discussions, the Committee recommended to issue Revocation of Stop Production order with certain directions. Accordingly, the Board hereby issues Revocation of Stop Production 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 continuously operate the Effluent Treatment Plant followed by RO, Forced Evaporation system with ATFD so as to achieve the Zero Liquid Discharge.
2. The industry shall continuously operate the air pollution control equipment so as to meet the Board’s standards and maintain the log records.
3. The industry shall maintain log registers of energy meters of treatment systems and flow meters pertaining to wastewater generation, treatment in ETP, RO plant & treatment of RO rejects in FE system and recycling for boiler and cooling tower makeup. The monthly consolidated records shall be communicated to RO, Kakinada and ZO, Visakhapatnam.
4. The industry shall construct garland drain at ETP and tank farm area within 3 months.
5. The industry shall store the FE salts in closed room and it shall be disposed off to TSDF, Parawada for final disposal. The industry shall maintain records pertaining to solid waste generation, storage & disposal to TSDF, Parawada.
6. The industry shall not store boiler ash and any other solid waste in open area. The boiler ash shall be stored in silo only and shall be disposed to brick manufacturing units regularly.
7. The industry shall not discharge any waste water outside the premises under any circumstances.
8. The industry shall maintain good housekeeping within the premises.

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. 06.07.2018.

Sd/-
CHAIRMAN

To
M/s. Ruchi Soya Industries Limited,
(Formerly M/s. Ruchi infrastructure Ltd.),
New port area. Beach Road, Kakinada,
East Godavari District -533008.

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

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II