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

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Regd. Post with Ack Due

Order No.465/APPCCB/UH-II/TF/VJA/2018-  

Date: 07.03.2019.

DIRECTIONS

Sub: APPCB – HO - TF - M/s Ainesh Pharma Private Limited, Plot No. 40 & 41, IDA,  
Tirumalagiri(V), Jaggayyapet (M), Krishna District – Compliant received against the industry – Discharging effluents outside the premises causing Ground water pollution – Legal hearing held on 30.01.2019 – Directions - Issued - Reg.

Ref:  
1. Stop Production Order No.K-1358/PCB/RO-VJA/2018-694, dt.03.10.2018 of  
RO, Vijayawada.  
2. Revocation of Stop Production Order No. K-1358/PCB/RO-VJA/2018-790,  
3. Complaint from Sri. G. Durga Prasad, Tirumalagiri (V), Jaggayyapet (M),  
Krishna District against bulk drug industries located at IDA, Tirumalagiri (V),  
Jaggayyapet (M), Krishna District casing ground water pollution.  
4. The RO, Vijayawada report dt.03.11.2018.  
6. Minutes of External Advisory Committee (Task Force) meeting held on  
30.01.2019.  
8. Note approval of the Chairman, APPCB on 05.03.2019.

WHEREAS you are operating the industry in the name & style of M/s Ainesh Pharma Private Limited, Plot No. 40 & 41, IDA, Tirumalagiri (V), Jaggayyapet (M), Krishna District to produce various bulk drug intermediates with capital investment of Rs.3.97 Crores.

WHEREAS the RO, Vijayawada vide references 1st cited, has issued stop production order on 03.10.2018 to the industry for not having valid CFO order of the Board as per delegation of powers to ZO/s/RO/s vide memo dt.21.03.2018.

WHEREAS the RO, Vijayawada vide references 2nd cited, has issued revocation of stop production order on 26.10.2018 to the industry after applying for CFO order of the Board as per circular memo dt.21.03.2018. The Board also issued CFO order on 09.11.2018 with validity period upto 31.01.2019.

WHEREAS vide references 3rd cited, the RO, Vijayawada received a complaint from Sri. G. Durga Prasad (Cell no: 9848236775) representative of M/s. Amaravathi Polymers, Plot No.46, IDA, Tirumalagiri (V), Jaggayyapet (M), Krishna District regarding ground water pollution caused by bulk drug industries located at IDA, Tirumalagiri (V), Jaggayyapet (M), Krishna District.

WHEREAS vide references 4th cited, the RO, Vijayawada inspected the industry and its surroundings on 28.09.2018 and 29.09.2018 and reported vide lr dt.03.11.2018 as follows:

a) During inspection the industry was in operation.

b) The industry has provided 12 no of reactors for their production activity. Out of which 4 nos are GLRs (GLR – 2 nos x 4 KL, 2 nos x 3 KL) and 8 nos are SSR. The industry also provided 2 numbers of 48" centrifuges.

c) The industry has provided stage scrubber attached to GLRs, but Scrubber was not in operation.

d) As per CFE order, the industry has to provide ZLD system consisting of stripper, MEE, ATFD system with condenser and biological ETP, RO Plant so as to maintain Zero Liquid Discharge (ZLD) system. It was observed that the Industry has installed stripper followed by 10 KL capacity MEE. The industry has released purchase order for construction and commencement of 15 KLD UF, RO plant of 1 KL/hr, 5 m2 Agitated Thin Film Dryer (ATFD with feed rate of 100 kg/hr) on 22.10.2018. ATFD equipment delivery will be 30 to 45 days from 22.10.2018.

e) The industry was directed to provide Biological ETP followed by RO to treat the LTDS. Whereas, the industry has not provided biological ETP and RO. The industry has released
purchase order for construction and commencement of ETP & RO plant. The ETP & RO equipment delivery will be 45 to 60 days from 22.10.2018.

f) As per CFE order, effluent shall not be discharged on-land or into any water bodies or aquifers under any circumstances. Whereas during inspection, effluent spillages were observed at MEE area and waste water storage area.

g) Industry has not provided magnetic digital flow meters with totalisers at the inlet and outlet of Stripper, outlet of MEE, inlet and outlet of RO and inlet and outlet ETP in compliance with CFE order.

h) The industry has provided magnetic digital flow meters with totaliser facility at inlet of MEE only.

i) Industry has installed on line effluent monitoring system along with web camera facility as per the directions of CPCB. But, the online equipment not yet commenced.

j) Industry has provided permanent pipe line facility from effluent collection tank and scrubber waste water recycling tank to MEE. The industry representative informed that they are pumping the effluents to MEE through hose pipes.

k) The industry has not provided VOC monitoring system with auto recording system.

l) Now, the industry has tied up with TSDF, Parawada for disposal of Hazardous waste after 20 months of commencement. No storage of MEE salts were observed in the industry premises.

m) The industry procuring water from outside for their production.

n) The industry is having one bore hole which is not in use, there is every chance of discharge of waste water into the abandoned borewell. During inspection, bore well sample was collected and the water is seems to be in yellow colour and emanating effluent smell. The values are exceeding the Board’s standards.

o) As per earlier CFE order dt. 11.05.2016 the industry was permitted to establish common solvent recovery unit at the same place but solvent recovery activity was not established. While issuing CFE for manufacture of bulk drug intermediates a condition was stipulated that the solvent recovery unit shall be used for captive purpose only as committed vide lr.dt.05.07.2018.

p) During inspection, at about 300 barrels with spent solvents/chemicals stored in an open area on bare ground without providing any concrete platform with spillage collection pit were observed.

q) At about 1000 kgs solvent distillation residue was stored in an open area on bare ground.

r) As CFE order, green belt shall be developed all along the boundary & vacant spaces with tall growing trees with good canopy and it shall not be less than 33% of the total area. But, the industry has not developed green belt in the industry premises.

s) The industry is operating without effluent treatment plant for treating the waste water. It was ascertained that the industry discharged waste water illegally as the industry is not having effluent treatment plant and the industry has not tied up with TSDF for disposal of hazardous waste and not sent any hazardous waste to cement Industries.

WHEREAS the legal hearing conducted on 05.12.2018 and the committee recommended to defer the case for review in the next legal hearing as the representative of the industry has not attended.

WHEREAS legal hearing was conducted before the External Advisory Committee (Task Force) of A.P. Pollution Control Board in its meeting held on 30.01.2019. The representatives of industry attended the legal hearing. The Committee noted that the Board received a complaint from Sri. G. Durga Prasad, representative of M/s.Amaravathi Polymers, Plot No.46, IDA, and other residents of Tirumalagiri (V), Jaggayyapet (M), Krishna District regarding contamination of ground water and health hazards caused by bulk drug industries located at IDA, Tirumalagiri (V), Jaggayyapet (M), Krishna District. The complainants have attended the legal hearing and explained the non-compliances of Board directions by the bulk drug units located in IDA, Tirumalagiri, Jaggalalpet, Krishna District. He also informed that the ground water nearby IDA has been polluted and not fit for utilization and requested the Board to take necessary action. The Committee noted that the industry has not provided biotechnical ETP followed by RO to treat LTDS effluents, ATFD system, magnetic digital flow meters with totalizer facility at inlet & outlet of stripper, outlet of MEE etc., not installed VOC monitoring along with auto recording system, 200 nos. of barrels consisting of spent solvents and distillation residues were stored in an open area on barren land and operating without Effluent Treatment Plant, not maintained relevant records i.e. production, effluent generation and disposal etc.

The EE, RO, Vijayawada has informed that the industry has provided 12 no of reactors for their production activity. Out of which 4 Nos. are GLRS (GLR = 2 Nos. x 4 KL, 2 Nos. x 3 KL) and 8 Nos. are SSR. The industry also provided 2 numbers of centrifuges. The industry has provided double stage scrubber attached to GLRs, but Scrubber was not in operation. It was informed that the industry has installed online effluent monitoring system along with web camera facility
as per the directions of CPCB. But, the online equipment not yet commenced. Further, it was
informed that the Bore well sample is observed to be contaminated and emitting effluent smell.
Presently, the industry is not utilizing the bore well existing within the industry premises and
drawing the water from outside the industry premises. As per the analysis report, the values of
parameters of abandoned borewell water are indicating that the ground water is contaminated.
The representative of the industry has informed that they released purchase order for
construction of ETP & RO plant and it will be completed within one month. It was informed that
they will take all control measures within two months.

The Committee after detailed discussions recommended to issue stop production order for
not operating scrubber attached to GLRS (4 nos), not providing Biological ETP followed by RO
plant, not providing VOC monitoring system with auto recording system, not providing magnetic
digital flow meters with totalizer at the inlet and outlet of Stripper, outlet of MEE, inlet and outlet
of RO and inlet and outlet ETP, for not disposing 1000 kgs of solvent distillation residue and
storing in an open area on barren land, and operating without Effluent Treatment Plant for
treating the waste water and not maintained relevant records pertaining to hazardous waste
generated and disposed, LTDS & HTDS generated and disposed etc.

WHEREAS the industry vide references 7th cited, has represented vide letter dt.28.02.2019
that they have completed the erection of new scrubber, VOC monitoring system
provided and disposed Hazardous Waste stored in premises to TSDF, Parawada. It
was also informed that the civil works related to Biological ETP is completed. RO
system with suitable membrane will be installed after knowing the efficiency of
Biological ETP. Flow meters will be installed after completion of biological ETP, RO
system and other equipment of ZLD system. It was informed that the industry has
stopped production activity from the date of legal hearing to till date. The industry has
requested not to issue the stop production order and give 3 months time to complete the
errections works of ZLD system and to comply with Board directions.

WHEREAS as per instructions, the Stop Production Orders were not served to the
industry as they have partially complied with the Board directions and committed to
complete the erection works of ZLD system within 3 months time.

After careful consideration of material facts of the case, the Board hereby issues the
following directions:

1. The industry shall complete initialization of MEE for treatment of effluents within
one month until then the industry shall send the HTDS and LTDS effluents to
CETP, Parawada, Visakhapatnam for treatment and disposal duty following the
proper manifest system and procedure.
2. The industry shall segregate the LTDS and HTDS effluents and provide Biological
ETP followed by RO plant to treat the LTDS effluents within three months.
3. The industry shall provide lined facility for containers detoxification with proper
dyke walls and wash water collection system within 2 months.
4. The industry shall provide magnetic flow meters with totalizer facility for
quantifying water consumption and effluent generated and disposal details for
different streams of effluents and different categories of water usage and shall
maintain records.
5. The industry shall provide VOC analyzer with recording facility within one month.
6. The industry shall provide pH measuring facility with auto recording system to the
two stage scrubbers within one month.
7. The industry shall provide solvent recovery unit for recovery of solvents within 3
months.
8. The industry shall store the effluent above ground level tanks and shall ensure
that there shall not be any leakages / spillages / discharges on ground within or
outside the premises.
9. The industry shall immediately dispose off hazardous waste as per the disposal
option specified in CFO order. Until its disposal, the waste shall be stored in
dedicated closed room within the premises.
10. The industry shall store all the raw materials in closed sheds. The industry shall
store the drums containing chemicals/solvents under a roof on elevated platform
with provision to collect leakages/spillages in the collection pit.
11. The industry shall construct storm water drains to avoid mixing of rain water
either trade effluents or domestic waste water within two months.
12. The industry shall maintain thick green belt all along the periphery in the industry
premises.
13. The industry shall ensure continuous compliance of the conditions stipulated by the Board.

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., 07.03.2019.

Sd/-
CHAIRMAN
APPCB

To
M/s Ainesh Pharma Private Limited,
Plot No.40 & 41, IDA,
Tirumalagiri (V),
Jaggayyapet (M),
Krishna District.

Copy to:

1. The Joint Chief Environmental Engineer, Zonal Office, Vijayawada for information and necessary action.

2. The Joint Chief Environmental Engineer, Zonal Office, Visakhapatnam is directed to provide mobile VOC Analyzer (Mobile Van) to RO, Vijayawada to carryout monitoring for 24 hours at IDA, Tirumalagiri (V), Jaggayyapet (M), Krishna District.

3. The Environmental Engineer, Regional Office, Vijayawada for information and is directed to ensure all the abandoned bore wells located in IDA, Tirumalagiri, Krishna District shall be closed immediately and collect ground water samples from functional bore wells & effluent samples from the industry every month and conduct finger print analysis and submit detailed report to the JCEE, ZO, Vijayawada for further necessary action. The EE, RO, Vijayawada shall make necessary arrangements for mobile staff during monitoring.

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

(SENIOR ENVIRONMENTAL ENGINEER
UH-II)