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

Regd. Post with Ack Due

Order No.464/APPCB/UH-II/TF/VJA/2018—2600

Date:01.03.2019

DIRECTIONS

Sub: APPCB – UH-II - TF - M/s. Integrin Life Sciences Private Limited, Plot No 69 to 71 and 75 to 77, IDA, Triumalagiri (V), Jaggiahapet (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.

2. Complaint from Sri. G. Durga Prasad, Tirumalagiri (V), Jaggayyapet (M), Krishna District against bulk drug industries located at IDA, Tirumalagiri (V), Jaggayypet (M), Krishna District casing ground water pollution.
3. Complaint received from Sri Juneboynala Arjuna Rao, Shermahammadpeta Village regarding water pollution caused by bulk drug industries locaedit IDA, Tirumalagiri (V), Jaggiahapet (M), Krishna District on 12.11.2018.
5. Minutes of External Advisory Committee (Task Force) meeting held on 30.01.2019.

WHEREAS you are operating industry in the name & style of M/s. Integrin life Sciences Private Limited is located at Plot No 69 to 71 and 75 to 77, IDA, Triumalagiri (V), Jaggiahapet (M), Krishna District to manufacture of Bulk Drugs & intermediates – 433.33 Kgs/day.

WHEREAS the Board vide reference 1st cited, has issued CFO to the industry on 19.08.2016 for a period upto 31.07.2021 for manufacturing of Bulk Drugs & intermediates subject to the compliance of standards and conditions stipulated therein.

WHEREAS vide references 2nd cited, the RO, Vijayawada received a complaint from Sri. G. Durga Prasad representative of M/s. Amaravathi Polymers, Plot No.46, IDA, Tirumalagiri (V), Jaggayyapet (M), Krishna District against ground water pollution caused by bulk drug industries located at IDA, Tirumalagiri (V), Jaggayypet (M), Krishna District.

WHEREAS vide references 3rd cited the RO, Vijayawada received complaint from Sri Juneboynala Arjuna Rao, Shermahammadpeta Village regarding water pollution caused by bulk drug industries locaedit IDA, Tirumalagiri (V), Jaggiahapet (M), Krishna District on 12.11.2018.

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

i. During inspection, the industry was in operation.
ii. The industry has not segregating the LTDS and HTDS effluents. The industry has not provided biological ETP and RO plant to treat the LTDS effluents.
iii. During the inspection, Stripper, MEE are in operation but ATFD was not in operation. The industry has not provided condenser facility for ATFD.
iv. The industry has not provided flow meter with totaliser facility for water consumption.
v. The industry has not provided flow meter with totaliser facility at inlet and outlet of Stripper, out of MEE.
vi. The industry has provided double stage scrubber reactors but not provided online pH meter with data logger to scrubber.
vii. The industry has stored 200 drums containing chemicals /solvents in an open area on barren ground.
viii. The industry has not provided energy meters and not maintained records pertaining to pollution control equipment.
ix. The industry has not provided storm water drains.
x. The industry has not provided online VOC meter with data logger and not linked with APPCB website.
xi. The industry has not developed 33% green belt of total project area.
xii. The industry has not provided solvent recovery unit for recovery of solvents. It was observed that at about 150 barrels with spent solvents were stored in the industry premises.

xiii. The representative of the industry who accompanied informed that they have taken 1.0 Acre of land on lease basis in the same IDA, Tirumalagiri for storage of used barrels. During the inspection, it was observed that at about 10 barrels of organic residue were stored in the leased land without providing any concrete platform, spillage collection pit and dyke wall. During inspection, waste water samples were collected near i) HTDS tank-1, ii) HTDS-tank-2, iii) cooling tower waste water, iv) MEE Condenser water, v) Stripper condensate, vi) and bore well located within the industry premises. As per the analysis report, ii) the waste water sample from the cooling tower is having BOD-145mg/ltr and COD-488mg/ltr, which may cause smell nuisance in the surrounding environment.

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 the industry attend 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). Jaggyapap (M). Krishna District against contamination of ground water and health hazards caused by bulk drug industries located at IDA, Tirumalagiri (V), Jaggyapap (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, Jaggaiahpet, 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 segregating the LTDS and HTDS effluents. The industry has not provided biological ETP followed by RO plant to treat the LTDS effluents and not complied with the CFE /CFO order conditions. The EE, RO, Vijayawada has informed that the industry has not provided condenser facility for ATFD, the industry has not provided flow meter with totalizer facility at inlet and outlet of Stripper, outlet of MEE, not installed online pH meter with data logger at scrubber attached to GLRs, not constructed storm water drains, not provided online facility with data logger to the VOC meter and not linked with APPCB website. Further, it was informed that during the inspection, scrubber was not in operation. The industry has stored 200 drums containing chemicals/solvents in an open area on bare ground, which may cause ground water contamination and not maintained relevant records.

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 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 duly 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 one month.

3. The industry shall provide separate energy meters for pollution control systems within one month.

4. The industry shall provide lined facility for containers detoxification with proper dyke walls and wash water collection system within 2 months.

5. The industry shall provide magnetic flow meters with totalizer facility for quantifying water consumption and effluent generated and disposed to quantify for different streams of effluents and different categories of water usage and shall maintain records.

6. The industry shall provide VOC analyzer with recording facility within one month.

7. The industry shall provide pH measuring facility with auto recording system to the two stage scrubbers within one month.

8. The industry shall provide solvent recovery unit for recovery of solvents.

9. 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.

10. 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.

11. 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.

12. The industry shall construct storm water drains to avoid mixing of rain water either trade effluents or domestic waste water within one month.
13. The industry shall maintain thick green belt all along the periphery in the industry premises.

14. The industry shall immediately submit Bank Guarantee of Rs.4 Lakhs in favour of EE, RO, Vijayawada with a validity for period of one year within 10 days towards the compliance of above directions.

15. 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., 01.03.2019.

Sd/-
CHAIRMAN
APPCB

To
M/s. Integrin life Sciences Private Limited,
Plot No 69 to 71 and 75 to 77,
IDA, Triumlagiri (v), Jaggaiahpet (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, Tirumlagiri (V), Jaggayyapet (M), Krishna District.

3. The Environmental Engineer, Regional Office, Vijayawada for information and to direct ensure all the abandoned bore wells located in IDA, Tirumlagiri, 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. //

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II