CONSENT & AUTHORIZATION ORDER

Consent Order No.CTR - 1547/APPCB/ZO-KNL/CFO/2019    Date:01.08.2019

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as ‘the Acts’, ‘the Rules’) to:

M/s. Sewage Treatment Plant (50 MLD) of Tirupati Municipal Corporation Thukivakam (V), Tirupati, Chittoor District, Andhra Pradesh

(hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant, to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below.

i. Outlets for discharge of effluents:

<table>
<thead>
<tr>
<th>Outlet No.</th>
<th>Outlet Description</th>
<th>Max Daily Discharge</th>
<th>Treatment units</th>
<th>Point of Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Domestic</td>
<td>1.2 KLD</td>
<td>Bar Screen, Grid separator, Wet well with pump house, sterling Chamber, Facultative Lagoon- 6 No, Maturation Lagoons – 3 No, well for treated effluents – 2 no,</td>
<td>Shall be disposed to Isuka Vagu after treatment in STP</td>
</tr>
</tbody>
</table>

ii. Emissions from chimneys:

<table>
<thead>
<tr>
<th>Chimney No.</th>
<th>Description of Chimney</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Attached to 160 KVA DG set</td>
</tr>
</tbody>
</table>

iii. HAZARDOUS WASTE AUTHORIZATION (FORM – II) {See Rule 6 (2)}

M/s. Sewage Treatment Plant of Tirupati Municipal Corporation (50 MLD), Thukivakam (V), Tirupati, Chittoor District, Andhra Pradesh operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

<table>
<thead>
<tr>
<th>SI No.</th>
<th>Name of the Hazardous waste</th>
<th>Stream</th>
<th>Hazardous waste</th>
<th>Disposal option</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Used oil / Waste lubrication oil</td>
<td>5.1 of Schedule – I</td>
<td>50 Lts/Year</td>
<td>Shall be disposed to authorized re-processors/recyclers/cement industries to use as an alternative fuel</td>
</tr>
</tbody>
</table>
This consent order is valid for manufacturing the following products with quantities mentioned below.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Products</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sewage Treatment Plant</td>
<td>50 MLD</td>
</tr>
</tbody>
</table>

This order is subject to the provision of ‘the Acts and the Rules’ and orders made thereunder and further subject to the terms and conditions incorporated in the Schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the **31.05.2024**.

To
M/s. Sewage Treatment Plant (50 MLD) of
Tirupati Municipal Corporation
Thukivakam (V), Tirupati,
Chittoor District, Andhra Pradesh

Copy to the Environmental Engineer, APPCB, Regional Office, Tirupati for information and with a direction to ensure the compliance of Schedule –B conditions, in case of non compliance refer to Task Force for taking necessary action.

K Venkateswara Rao
JOINT CHIEF ENVIRONMENTAL ENGINEER
ZONAL OFFICE, KURNOOL

Digitally signed by K Venkateswara Rao
Date: 2019.08.01 13:28:48 +05'30'
SCHEDULE – A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.

2. The Municipality shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.

3. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.


5. The Municipality shall make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises/lend/sell/transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.

6. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.

SCHEDULE – B

Water pollution:

1. The source of water being Borewell. The following is the permitted water consumption:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Purpose</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Domestic</td>
<td>1.5 KLD</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1.5 KLD</td>
</tr>
</tbody>
</table>

2. The Municipality shall provide separate meters with necessary pipe-line for assessing the quantity of water used for domestic purposes mentioned above.

3. The Municipality shall operate the effluent treatment plant regularly to treat the effluents to meet Board’s prescribed standards.

4. The effluent discharged shall not contain constituents in excess of the tolerance limits as laid down hereunder:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>5.5 - 9.0</td>
</tr>
<tr>
<td>Suspended Solids</td>
<td>100 mg/l</td>
</tr>
<tr>
<td>Total residual Chlorine</td>
<td>1.0 mg/l</td>
</tr>
<tr>
<td>Ammonical nitrogen (as N)</td>
<td>50 mg/l</td>
</tr>
<tr>
<td>BOD</td>
<td>30 mg/l</td>
</tr>
<tr>
<td>COD</td>
<td>250 mg/l</td>
</tr>
</tbody>
</table>
5. The Municipality shall also treat the sewage for the other parameters to meet the inland surface waters standards stipulated under the Environmental (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in schedule VI vide G.S.R422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by APPCB.

6. The Municipality shall treat the sewage for total coliform to a standard of < 500 MPN/100 ML to meet the Class – B & Class – C water quality criteria specified by CPCB.

7. The Municipality shall explore the possibility of using the treated sewage to the maximum extent possible for irrigation of crops not-eaten raw, sports fields, public parks, industrial use etc., in order to conserve the fresh water and the remaining treated sewage shall be discharged into Isuka Vagu duly taking the permission from competent authorities.

8. The Municipality shall take measures such that no perceptible odour is observed outside the STP premises.

9. The Municipality shall engage trained staff and provide adequate laboratory facility for proper functioning and monitoring of STP.

10. The Municipality shall provide mechanical de-watering system for the sludge. This will help proper disposal of sludge even during the rain days.

11. The Municipality shall conduct a study on impact of treated sewage on crops with the help of Agricultural University / Agricultural Department within a period of one year, if the treated sewage is proposed to be used for irrigation purpose.

12. The STP discharge shall not contaminate the Ground water in the surroundings. The Municipality shall monitor the ground water in the surroundings at least once in 3 months and submit the results to Regional Office, A.P. Pollution Control Board, Tirupati.

13. The STP or its activity shall not block the inflow channels into the Isuka Vagu

_Air:_


_Solid waste:_

15. The industry shall comply with the following:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Source of solid waste</th>
<th>After expansion quantity</th>
<th>Method of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sludge from STP</td>
<td>80 Kgs/day</td>
<td>Shall be disposed as manure to the nearby local farmers.</td>
</tr>
</tbody>
</table>

_GENERAL:_

16. The Municipality shall develop green belt all along the boundary and in all the vacant places to cover at least 33 % of total area.

17. The Municipality shall submit the compliance report on the Consent for Operation (CFO) conditions for every six months i.e., on 1st January, and 1st July of the year to Regional Office, Tirupati on regular basis.

**SCHEDULE - C**

[See Rule 6 (2)]

(Conditions of Authorization for occupier or operator handling hazardous wastes)

1. All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E(P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.
2. The Municipality shall not store hazardous waste for more than 90 days as per the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.

3. The Municipality shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.

4. The Municipality shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

5. The Municipality shall maintain proper records for Hazardous Wastes stated in Authorisation in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6(5), 13 (8), 16(6) and 20 (2) of the Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.

K Venkateswara Rao
JOINT CHIEF ENVIRONMENTAL ENGINEER
ZONAL OFFICE, KURNOOL

To
M/s. Sewage Treatment Plant (50 MLD) of
Tirupati Municipal Corporation
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