CONSENT ORDER FOR ESTABLISHMENT

Order No. 294/APPCB/CFE/RO-TPT/HO/2019

Sub: APPCB – CFE – M/s. Daiwik Hotel & Residences, Sy.No. 714/1A1/D, 715/3, 716/1A2, Thukivakam (V), Renigunta (M), Tirupati, Chittoor District - Consent for Establishment (CFE) of the Board under Sec.25 of Water (Prevention & Control of Pollution) Act, 1974 and Under Sec.21 of Air (Prevention & Control of Pollution) Act, 1981 - Issued - Reg.

Ref:
1. EC order dt.09.10.2015 issued by SEIAA, A.P.
2. CFE application received on 19.08.2019.
4. CFE Committee meeting held on 27.08.2019.
5. Proponent’s mail dt. 28.08.2019.

* * *

1. In the reference 2nd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for Hotel and Residential Apartments Construction project with a project cost of Rs. 5,100 Lakhs with built up area of 31,524.88 Sq. m. as details below:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Activity</th>
<th>Proposed capacity</th>
<th>Built-up area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hotel</td>
<td>96 - Rooms</td>
<td>7730 sq. m.</td>
</tr>
<tr>
<td>2</td>
<td>Residential Complex</td>
<td>144 - Plots</td>
<td>20455 sq. m.</td>
</tr>
</tbody>
</table>

2. As per the application, the above project is to be located at Sy. No. 714/1A1/D, 715/3, 716/1A2, Thukivakam (V), Renigunta (M), Tirupati, Chittoor District, in a site area of 5949.09 Sq. m.

3. The above site was inspected by Environmental Engineer, Regional Office, Tirupati, A.P Pollution Control Board on 20.08.2019 and observed that the site is surrounded by

- **North**: Vacant lands
- **South**: Naidu Peta – Puthalapattu NH road
- **East**: Vacant land
West : Vacant land

4. The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendations of the CFE Committee, hereby issues **CONSENT FOR ESTABLISHMENT** to the project under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to the activity as mentioned at Para (1) only.**

5. This Consent order now issued is subject to the conditions mentioned in the Annexure.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

7. **This order is valid for a period of 7 years from the date of issue.**

   Encl: Annexure.

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**ANNEXURE**

1. Separate energy meter shall be provided for Sewage Treatment Plant (STP) to record energy consumed.

2. The proponent shall obtain Consent for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.

**Water:**

3. The source of water is Ground water/ Municipality and the maximum permitted water consumption is as following:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Purpose</th>
<th>Quantity (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Apartments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hotel</td>
<td></td>
</tr>
</tbody>
</table>
4. The maximum waste water generation shall not exceed the following:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Source</th>
<th>Quantity (KLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Apartments</td>
</tr>
<tr>
<td>a.</td>
<td>Domestic</td>
<td>103.0</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>103.0</td>
</tr>
</tbody>
</table>

Treatment & Disposal:

<table>
<thead>
<tr>
<th>Source of effluent</th>
<th>Treatment</th>
<th>Mode of final disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic waste water from Residential Complex</td>
<td>STP of capacity 105 KLD consists of Bar Screen Chamber, Collection cum Equalisation tank, FAB reacter, Tube deck settling tank, Filter feed tank, Sludge holding tank, Disinfectant, Treated water storage tank.</td>
<td>Greenbelt development and flushing of toilets. Excess treated waste water shall be discharged into public sewer.</td>
</tr>
<tr>
<td>Domestic waste water from Hotel</td>
<td>STP of capacity 120 KLD consists of Bar Screen Chamber, Collection cum Equalisation tank, FAB reacter, Tube deck settling tank, Filter feed tank, Sludge holding tank, Disinfectant, Treated water storage tank.</td>
<td></td>
</tr>
</tbody>
</table>

5. The sewage shall be treated to meet the following standards before reuse or recycle.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Parameter</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>BOD&lt;sub&gt;5&lt;/sub&gt;</td>
<td>≤ 10 mg/l</td>
</tr>
<tr>
<td>2.</td>
<td>Residual Chlorine</td>
<td>0.5 – 1.0 mg/l</td>
</tr>
<tr>
<td>3.</td>
<td>E.Coli</td>
<td>None</td>
</tr>
</tbody>
</table>

6. Dual plumbing system shall be adopted and separate tanks shall be provided to store fresh water and treated wastewater.

7. No waste water shall be discharged outside the premises until outlet is connected to public sewer line. Till such time, the excess treated sewage shall be discharged into an artificial pond within the premises and can be utilized for recreational purpose as per EC condition.

8. During construction stage septic tank followed by soak pit shall be constructed to the temporary toilets / kitchen provided for the construction labour and shall be removed after completion of the project.

9. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for Domestic and flushing purposes.
Air:

10. Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Details of Stack</th>
<th>Stack 1</th>
<th>Stack 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Attached to</td>
<td>D.G. Set</td>
<td>D.G. Set</td>
</tr>
<tr>
<td>b)</td>
<td>Capacity</td>
<td>1 x 380 KVA</td>
<td>1 x 600 KVA</td>
</tr>
<tr>
<td>c)</td>
<td>Name of the Fuel</td>
<td>Diesel</td>
<td>Diesel</td>
</tr>
<tr>
<td>d)</td>
<td>Minimum Stack height above roof (m.)</td>
<td>3.90 m.</td>
<td>4.90 m.</td>
</tr>
<tr>
<td>e)</td>
<td>Air Pollution Control Equipment</td>
<td>Acoustic enclosure with silencer</td>
<td>Acoustic enclosure with silencer</td>
</tr>
</tbody>
</table>

11. Diesel generator sets shall be installed in a closed area with silencers and suitable noise absorption systems. The ambient noise level shall not exceed 55 dB(A) during day time and 45 dB(A) during night time.

12. Necessary provisions should be made by providing tarpaulin / GI Sheets around the construction site to reduce the fugitive emissions to the surrounding area.

Solid / Hazardous Waste:

13. The proponent shall comply with the following:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of the waste</th>
<th>Quantity</th>
<th>Method of disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Used Oil / Waste Lubrication Oil</td>
<td>Lubricants-400 lit/year Transformer oil - 120 lit/year</td>
<td>To authorized Re-processors / Recyclers / to the Cement industries for co-processing.</td>
</tr>
<tr>
<td>2.</td>
<td>Used Lead Acid Batteries</td>
<td>10 Nos per year</td>
<td>To dealers on buy back system</td>
</tr>
<tr>
<td>3.</td>
<td>Garbage</td>
<td>800 kg/Day</td>
<td>To Municipal dumpsite after segregating organic waste. Organic waste shall be composted on site and used as manure for gardening.</td>
</tr>
</tbody>
</table>

14. The solid waste generated shall be properly collected and segregated before disposal to the city municipal facility. Waste paper, cartons, thermocol, plastic waste, glass etc., shall be disposed to recycling units. E-waste shall be disposed to authorized recycling units. The in-vessel bio-conversion technique shall be used for composting the organic waste.
15. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

16. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and shall be disposed taking the necessary precautions for general safety and health aspects of people, and it shall be disposed only in approved sites with the approval of competent authority.

17. The following rules and regulations notified by the MoEF&CC, GoI shall be implemented.
   d) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
   f) Batteries (Management & Handling) Rules, 2010.

**Other Conditions:**

18. The proponent shall develop green belt in an area not less than 10% of plot area in addition to green belt in set-back areas.

19. The proponent shall utilize excess treated waste water after recycling and internal gardening purpose for watering of avenue plantation in the area in consultation with local authorities by well laid pipeline system.

20. The proponent shall provide organic waste converter / vermin compost system for disposal of organic waste.

21. The proponent shall create corpus fund and maintain separate account with adequate budget to meet operational cost of STP.

22. The proponent shall ensure that there should be proper legal framework for meeting recurring expenses by occupants for implementation of conditions stipulated.

23. Solar energy and LED bulbs shall be used to reduce electricity requirements.

24. The proponent shall develop adequate greenery in the open spaces and along the periphery of the plot as per the site plan approved by the Competent Government Authorities.

25. The proponent shall obtain necessary permissions for the proposed activity, from the concerned Government Departments and other competent authorities.
26. As per the provision of Fly ash Notification No.S.O.2804 (E), dt. 03.11.2009 and its amendments thereof, every construction agency engaged in the construction of building within a radius of 300 km from a coal or lignite based thermal power plant shall use only fly ash based products for construction, such as cement or concrete, fly ash bricks or tiles or clay fly ash bricks, blocks or tiles or cement fly ash bricks or bricks or blocks or similar products or a combination or aggregate of them in every construction project.

27. The proponent shall use Ready mix concrete for construction of the building.

28. The proponent shall provide proper centralized air exhaust system in all the cellar areas to avoid suffocation.

29. The proponent shall provide sufficient parking space for visitor vehicles.

30. The proponent shall comply with Energy efficient practices and energy audit practices. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement. Wherever feasible, green building concepts shall be adopted.

31. Application of Solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision of solar water heating.

32. Concealing the factual data or submission of fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.

33. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions by the Board.

34. 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 such authority (herein after referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB
MEMBER SECRETARY

To

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