



**CONSENT ORDER FOR ESTABLISHMENT**

**Order No. 432 /APPCB/CFE/RO-GNT/HO/2018**

**Dt:21.03.2018**

**Sub:** APPCB – CFE – Andhra Pradesh Capital Region Development Authority - **Gazetted Officers Type –I & II Housing project, Sy. No. 59, 60, 61, 62 & 66, Nelapadu (V), Thulluru Mandal, Amaravati Capital City, Guntur 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. 12.10.2017 issued by SEIAA, A.P.  
2. CFE application received through AP OCMMS on 20.02.2018.  
3. R.O's inspection report dt. 27.02.2018.  
4. CFE Committee meeting held on 15.03.2018.

\* \* \*

1. In the reference 2<sup>nd</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **Construction project** as following with a project cost of Rs. 320 Crores.

The project consists of 15 Towers. Each tower consists of Stilt + 12 Floors.

S.No	Activity	Construction project details
1	Total Land Area	44800 Sq. m (4.48Ha)
2	Total Built-up area	1,48,317 Sq. m
3	Parking Area	13,840 Sq. m
4	Total No of Towers proposed	15 Nos (Type-I-8 towers & Type-II -7 Towers )
5	Total no of Apartments	720 Nos (Type-I-384 no & Type-II -336 no )
6	Green belt	11,095 Sq. m

2. As per the application, the above project is to be located at Sy. No. 59, 60, 61, 62 & 66, Nelapadu (V), Thulluru Mandal, Amaravati Capital City, Guntur District.
3. The above site was inspected by Asst. Environmental Engineer, Regional Office, Guntur, A.P Pollution Control Board on 24.02.2018 and observed that the site is surrounded by

**North** : Vacant land  
**South** : Vacant land  
**East** : Vacant lands  
**West** : Vacant lands

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 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

**MEMBER SECRETARY**

**To**

**The Director,  
Landscape & Environment,  
Andhra Pradesh Capital Region Development Authority,  
(Gazetted Officers Type –I & II Housing project),  
Lenin Center, Governorpet,  
Vijayawada, Krishna District.  
viswanath.g@apcrda.org**

**Copy to:** 1. The JCEE, Z.O., Vijayawada for information and necessary action.  
2. The E.E., R.O., Guntur for information and necessary action.

## 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:

1. The source of water is Krishna River water through Thulluru lift irrigation scheme. The maximum quantity of water required is as following:

Purpose	Quantity
Domestic	594 KLD
<b>Total</b>	<b>594 KLD</b>

\*Fresh water: 180 KLD and Recycled water : 414 KLD

2. The maximum waste water generation shall not exceed the following:

Source	Quantity
Domestic	487 KLD
<b>Total</b>	<b>487 KLD</b>

### **Treatment & Disposal:**

Source of effluent	Treatment units	Mode of final disposal
Domestic	Sewage Treatment Plant of 500 KLD capacity consisting of Bar cum screen chamber, Oil & Grease trap, Equalization tank, Aeration tank, Clarifier, Sludge holding tank, Pressure sand filter and Activated carbon filter.	Shall be reused for toilet flushing, landscaping, car wash and construction activities or landscaping in the vicinity.

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

Sl.No.	Parameter	Standard
1.	BOD <sub>5</sub>	≤ 10 mg/l
2.	Residual Chlorine	0.5 – 1.0 mg/l
3.	E.Coli	None

4. Dual plumbing system shall be adopted and separate tanks shall be provided to store fresh water and treated wastewater.
5. **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 stipulated in EC order.**
6. 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.
7. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for Domestic and flushing purposes.

**Air:**

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

Sl.No.	Details of Stack	Stacks 1 & 2	Stacks 3 & 4
a)	Attached to	DG Sets	DG Sets
b)	Capacity	2 x1010 KVA	2 x750 KVA
c)	Name of the Fuel	Diesel	Diesel
d)	Stack height above ground (m)	6.5 m each	5.5 m each
e)	Air Pollution Control Equipment	Silencers & Acoustic enclosures	Silencers & Acoustic enclosures

9. 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.
10. Necessary provisions should be made by providing tarpaulin / GI Sheets around the construction site to reduce the fugitive emissions to the surrounding area.

**Solid Waste:**

11. The proponent shall comply with the following:

S.No	Source of solid waste	Quantity	Method of disposal
a)	Garbage	1512 kg/day	To local municipality for further disposal till the solid waste facility of Amaravati capital city is made operational.
b)	STP sludge	201.6 kg/day	Shall be used as manure for green belt development
c)	Waste oil /used oil	Actual generation	To authorised agenices / recyclers
d)	Used Lead Acid Batteries	Actual generation	To authorised agenices / recyclers

12. 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.
13. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
14. 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.
15. The following rules and regulations notified by the MoEF& CC, GoI shall be implemented.
- a) Solid Waste Management Rules, 2016.
  - b) Hazardous waste and other wastes (Management, and Transboundary Movement) Rules, 2016 and amendments thereof.
  - c) Batteries (Management & Handling) Amendment Rules, 2010.
  - d) E-Waste (Management) Rules, 2016.
  - e) Construction and Demolition waste Management Rules, 2016.

**Other Conditions:**

16. **The Proponent shall pay balance CFE fee of Rs. 1,92,000/- immediately as committed during the CFE Committee meeting.**
17. The proposed projects falls within the "Greenfield Capital City, Amaravati" which was accorded CFE dt. 19.10.2015 and the project proponent shall comply with the CFE conditions applicable to this construction project.
18. Construction and demolition waste shall be handled and disposed as per the provisions of construction and demolition waste Management Rules, 2016.
19. The proponent shall create corpus fund of Rs.300 Lakhs to ensure continuous operation of STP as stipulated in EC order.
20. The proponent shall ensure that there should be proper legal frame work for meeting recurring expenses by occupants for implementation of conditions stipulated.
21. Solar energy and LED bulbs shall be used to reduce electricity requirements.
22. 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.
23. The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Regional Office and Zonal Office of the Board.
24. **The proponent shall obtain necessary permissions for the proposed activity, from the concerned Government Departments and other competent authorities.**
25. 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.
26. The proponent shall use Ready mix concrete for construction of the building.
27. The proponent shall provide proper centralized air exhaust system in all the cellar areas to avoid suffocation.
28. The proponent shall provide sufficient parking space for visitor vehicles.
29. 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 fulfill requirement. Wherever feasible, green building concepts shall be adopted.
30. 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.
31. 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.
32. 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.

33. 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 (hereinafter 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.

**MEMBER SECRETARY**

**To**

**The Director,  
Landscape & Environment,  
Andhra Pradesh Capital Region Development Authority,  
(Gazetted Officers Type –I & II Housing project),  
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