



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada – 520010.

Website :www.appcb.ap.nic.in

CONSENT ORDER FOR ESTABLISHMENT

Order No.441/APPCB/CFE/RO-GNT/HO/2018

Dt: 31.07.2018

Sub: APPCB – CFE – APCRDA - Construction of HOD Staff Housing Project, Sy. No. 57, 69, 70, 71, 72 & 76, Nelapadu (V), Thullur (M), 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. 17.05.2018 issued by SEIAA, A.P.
2. CFE application received through APOCMMS on 06.07.2018.
3. R.O's inspection report dt. 13.07.2018.
4. CFE Committee meeting held on 19.07.2018.
5. Industry's Ir. dt. 20.07.2018 & mail dt. 28.07.2018.

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1. In the reference 2nd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **Construction of HOD Staff Housing Project** as detailed below with a project cost of **Rs. 420 Crores**, with built up area of 1,92,525 Sq. m.

Built up area of a Tower – Type - I		
Floors	No. of Apartments	Built up area in Sq. m
Stilt Floor for parking	-	1165
First Floor	8	1165
Second Floor	8	1165
Third Floor	8	1165
Fourth Floor	8	1165
Fifth Floor	8	1165
Sixth Floor	8	1165
Seventh Floor	8	1165
Eighth Floor	8	1165
Ninth Floor	8	1165
Tenth Floor	8	1165
Eleventh Floor	8	1165
Twelve Floor	8	1165
Total	96	15,145

No of Type – I Towers proposed	9 Nos.
Total No. of apartments proposed (96x9)	864 Nos.
Total Built up area of Type – I Towers (9 x 15145 Sq. m)	1,36,305 Sq. m

Built up area of a Tower – Type - II		
Floors	No. of Apartments	Built up area in Sq. m
Stilt Floor for parking	-	905
First Floor	6	905
Second Floor	6	905
Third Floor	6	905
Fourth Floor	6	905
Fifth Floor	6	905
Sixth Floor	6	905
Seventh Floor	6	905
Eighth Floor	6	905
Ninth Floor	6	905
Tenth Floor	6	905
Eleventh Floor	6	905
Twelfth Floor	6	905
Total	72	11,765

No of Type – II Towers proposed	3 Nos.
Total No. of apartments proposed (72x3)	216 Nos.
Total Built up area of Type – II Towers (3 x 11765 Sq. m)	35,295 Sq. m

Total No. of Towers types 1 & 2	12 Nos.
Total No. of apartments for tower types 1 & 2	1080 Nos.
Built up area of all tower (Type 1 & 2)	1,71,600 Sq. m
Additional covered Parking Area	20,925 Sq. m
Total Built up area	1,92,525 Sq. m

- As per the application, the above project is to be located at Sy. No. 57, 69, 70, 71, 72 & 76, Nelapadu (V), Thullur (M), Amaravati Capital City, Guntur District. The total site area is 6.62 Ha (16.35 Acres).
- The above site was inspected by Asst. Environmental Engineer, Regional Office, Guntur, A.P Pollution Control Board on 10.07.2018 and observed that the site is surrounded by
 - North** : Vacant land
 - South** : Vacant land
 - East** : Proposed Road
 - West** : Vacant lands
- 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 Commissioner,
Andhra Pradesh Capital Region Development Authority (APCRDA),
Lenin Center, Governorpet,
Vijayawada, Krishna District.
srinivasulu.a@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:

3. The source of water is Krishna River water through Thulluru lift irrigation scheme and the maximum permitted water consumption is as following:

S.No.	Purpose	Quantity
1.	Domestic	583 KLD
2.	Gardening	16 KLD
	Total	599 KLD

Fresh water requirement: 169 KLD Recycled water : 430 KLD

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

Source	Quantity
Domestic	505 KLD
Total	505 KLD

Treatment & Disposal:

Source of effluent	Treatment	Mode of final disposal
Domestic	Sewage Treatment Plant of 650 KLD capacity consists of Bar cum screen chamber, Oil & Grease trap, Equalization tank, Aeration tank, Clarifier, Sludge holding tank, Pressure sand filter and Activated carbon filter	To reuse for toilet flushing, landscaping, car wash and construction activities or landscaping in the vicinity

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

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

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.

Sl. No	Details of stack	Stack 1 & 2	Stack 3 & 4
1.	Attached to	DG sets	DG sets
2.	Capacity	2 x 1010 KVA	2 x 750 KVA
3.	Fuel	HSD	HSD
4.	Stack height Above the roof	2 x 6.5 m	2 x 5.50 m
5.	Details of Air Pollution Control Equipment	Acoustic enclosure and silencers	Acoustic enclosure and silencers

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:

S. No.	Source of waste	Quantity	Method of disposal
a)	Waste oil /used oil	500Lit/annum	To authorised agencies / recyclers
b)	Garbage	2,160 kg/day	To local municipality for further disposal till the solid waste facility of Amaravati capital city is made operational
c)	STP sludge	151 kg/day	Used as manure for green belt development

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.
 - 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:

18. The proponent shall allocate separate account with adequate budget to meet operational cost of STP.
19. The proponent shall ensure that there should be proper legal frame work for meeting recurring expenses by occupants for implementation of conditions stipulated.
20. Solar energy and LED bulbs shall be used to reduce electricity requirements.
21. 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.
- 22. The proponent shall obtain necessary permissions for the proposed activity, from the concerned Government Departments and other competent authorities.**
23. 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.
24. The proponent shall use Ready mix concrete for construction of the building.

25. The proponent shall provide proper centralized air exhaust system in all the cellar areas to avoid suffocation.
26. The proponent shall provide sufficient parking space for visitor vehicles.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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

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