



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. 452 /APPCB/CFE/RO- GTR /HO/2019

Dt:14.02.2019

Sub: APPCB – CFE – M/s. APCRDA, Construction of “Hon’ble CM’s Office Complex”, Sy. Nos. Part of 102, 103, 104, 105, 106 & 108, Kondamarajupalem (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. 27.11.2018 issued by SEIAA, A.P.
2. CFE application received through AP OCMMS on 24.01.2019.
3. R.O’s inspection report dt. 30.01.2019.
4. CFE Committee meeting held on 08.02.2019.

1. In the reference 2nd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **Construction of “Hon’ble CM’s Office Complex” as detailed below**, with a project cost of Rs. 2,112 Crores. The total built up area is 2,85,499.75 Sq. m.

Basement + Ground + 2 No. of Towers (41 levels + 50 Levels) & Amenity – 3 Blocks

Built up Area of Tower – I		
S.No.	Floors	Built up area in Sq. m
1	Basement for parking	13,720.00
2	Ground Floor	2246.76
3	Level 01	1458.00
4	Level 02	2246.76
5	Level 03	2246.76
6	Level 04	2031.09
7	Level 05	2246.76
8	Level 06	2246.76
9	Level 07	2246.76
10	Level 08	2246.76
11	Level 09	2246.76
12	Level 10	2246.76
13	Level 11	2246.76
14	Level 12	2246.76
15	Level 13	2246.76
16	Level 14	2246.76
17	Level 15	2246.76
18	Level 16	2246.76
19	Level 17	2246.76
20	Level 18	2246.76
21	Level 19	2246.76
22	Level 20	2246.76

23	Level 21	2031.09
24	Level 22	2246.76
25	Level 23	2246.76
26	Level 24	2246.76
27	Level 25	2246.76
28	Level 26	2246.76
29	Level 27	2246.76
30	Level 28	2246.76
31	Level 29	2246.76
32	Level 30	2246.76
33	Level 31	2246.76
34	Level 32	2031.09
35	Level 33	2246.76
36	Level 34	2246.76
37	Level 35	2246.76
38	Level 36	2246.76
39	Level 37	2246.76
40	Level 38	2246.76
41	Level 39	2246.76
42	Level 40	2031.09
43	Level 41	2246.76
	Built-up area of Tower - I	1,06,432.48

Built up Area of Tower -II		
S.No.	Floors	Built up area in Sq. m
1	Basement for parking	45,958.23
2	Ground Floor	2246.76
3	Level 01	1458.00
4	Level 02	2246.76
5	Level 03	2246.76
6	Level 04	2031.09
7	Level 05	2246.76
8	Level 06	2246.76
9	Level 07	2246.76
10	Level 08	2246.76
11	Level 09	2246.76
12	Level 10	2246.76
13	Level 11	2246.76
14	Level 12	2246.76
15	Level 13	2246.76
16	Level 14	2246.76
17	Level 15	2246.76
18	Level 16	2246.76
19	Level 17	2246.76
20	Level 18	2246.76
21	Level 19	2031.09
22	Level 20	2246.76
23	Level 21	2246.76
24	Level 22	2246.76

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28	Level 26	2246.76
29	Level 27	2246.76
30	Level 28	2246.76
31	Level 29	2246.76
32	Level 30	2031.09
33	Level 31	2246.76
34	Level 32	2246.76
35	Level 33	2246.76
36	Level 34	2246.76
37	Level 35	2246.76
38	Level 36	2246.76
39	Level 37	2031.09
40	Level 38	2246.76
41	Level 39	2246.76
42	Level 40	2031.09
43	Level 41	2246.76
44	Level 42	2246.76
45	Level 43	2246.76
46	Level 44	2246.76
47	Level 45	2246.76
48	Level 46	2246.76
49	Level 47	2246.76
50	Level 48	2246.76
51	Level 49	2246.76
52	Level 50 (Helipad)	2246.76
	Built-up area of Tower – II	1,58,891.55

S.No.	Block	No. of Floors	Built-up area (Sq.m)
1	Tower – I	Basement Parking + G+41 levels	1,06,432.48
2	Tower – II	Basement Parking + G+ 49 levels & 50 th Level for helipad	1,58,891.55
3	P4 : Amenities Block – A1	G+ 4 levels	6,725.24
4	P4 : Amenities Block – A2	G+ 4 levels	6,725.24
5	P4 : Amenities Block – A3	G+ 4 levels	6,725.24
			2,85,499.75

2. As per the application, the above project is to be located at Sy. Nos. Part of 102, 103, 104, 105, 106 & 108 of Kondamarajupalem (V), Thullur (M), Amaravati Capital City, Guntur District The total site area is 54,035 Sq. m.

3. The above site was inspected by Asst. Environmental Engineer, Regional Office, Guntur A.P Pollution Control Board on 28.01.2019 and observed that the site is surrounded by

North : Industry sector Office complex

South : Road

East : Proposed Road

West : Road

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.

CHAIRMAN

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 (KLD)
a)	Flushing	355
b)	Domestic	55
c)	Green belt	130
	Total	540

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

S. No	Source	Quantity (KLD)
a)	Domestic	348
	Total	348

Treatment & Disposal:

Source of effluent	Treatment	Mode of final disposal
Domestic	Sewage Treatment Plant of 360 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, greenbelt development 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	Stacks 1 to 8
1.	Attached to	DG Sets
2.	Capacity	6 Nos x 2000 KVA 2 Nos x 1010 KVA
3.	Fuel	HSD
4.	Stack height Above the ground (m)	6 x 9 m & 2 x 6.4 m each.
5.	Details of Air Pollution Control Equipment	Silencers with Acoustic enclosures

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:

Sl. No	Source of waste	Quantity	Method of disposal MSW dumpyard
a)	Garbage	3359 kg/day (Organic waste- 1401 kg/day, Inorganic waste- 1958 kg/day)	To local MSW dump yard for further disposal till the solid waste treatment & disposal facility of Amaravati capital city is made Operational
b)	STP sludge	381 kg/day	To be used as manure for green belt development
c)	Waste oil /used oil	100 - 500 Lt/annum	To authorised agencies / recyclers
d)	Used batteries	Actuals	To manufacturers on buy back system

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 comply with the following conditions stipulated vide CFE order dt. 19.10.2015 issued to Amaravathi – Capital city of A.P.
 - a) The proponent shall protect and improve the existing natural drains and construct modern storm water drainage system to avoid flooding and water logging problems. Proponent shall ensure that sewage shall not enter into storm water drainage system under any circumstances.
 - b) The proponent shall ensure 100% collection of sewage by covering entire area of the city with modern under ground sewerage network. The proponent shall treat entire (100%) waste water of 877 MLD (year 2050) in the proposed Five Sewage Treatment Plants and one dedicated Industrial Waste Water Treatment Plant to the International Municipal Sewage reuse standards of BOD \leq 10 mg/l, COD \leq 10 mg/l, Total Suspended Solids (TSS) \leq 10 mg/l, Residual Chlorine \leq 1 mg/l and Faecal Coli / 100 ML – No detectable levels as committed in EIA report.
 - c) The proponent shall provide continuous online water quality monitoring facilities for WTPs, STPs and upstream of drinking water source at Krishna River. Results of monitoring shall be linked to SPCB / CPCB website.
 - d) No untreated or treated wastewater shall be discharged in any of the water bodies including Krishna River under any circumstances.

19. The proponent shall create corpus fund and maintain separate account with adequate budget to meet operational cost of STP.
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 proponent shall obtain necessary permissions for the proposed activity, from the concerned Government Departments and other competent authorities.**
24. 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.
25. The proponent shall use Ready mix concrete for construction of the building.
26. The proponent shall provide proper centralized air exhaust system in all the cellar areas to avoid suffocation.
27. The proponent shall provide sufficient parking space for visitor vehicles.
28. 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.
29. 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.
30. 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.
31. 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.

32. 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.

CHAIRMAN

To

**The Commissioner,
Andhra Pradesh Capital Region Development Authority (APCRDA),
Lenin Center, Governorpet,
Vijayawada, Krishna District.
srinivasulu.a@apcrda.org**