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CONSENT ORDER FOR ESTABLISHMENT- RED CATEGORY

Order No. 43/TSPCB/CFE/RRD/RO-RR-I/HO/2020

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Dt: 30.09.2020

Sub: TSPCB – CFE – Proposed Residential Apartments Construction Project "Gulmohar Residency" by M/s. Gulmohar Residency & Jade Estates, Survey No. 19, Mallapur (V), Uppal (M), Medchal-Malkajgiri District - Consent for Establishment 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.

DESPATCHED
ON 03/10/2020

Ref: 1) Environmental Clearance (EC) dt. 22.12.2017 issued by SEIAA.
2) Revised EC order dt. 18.03.2020 issued by SEIAA
3) Project proponent's CFE application dt: 29.06.2020.
4) R.O's Verification report dt: 07.08.2020.
5) CFE-CFO Committee meeting held on 13.08.2020.
6) Proponent Ir. dt: 14.08.2020.

1. M/s. Gulmohar Residency & Jade Estates, earlier obtained EC from SEIAA for the proposed Residential Apartments Construction Project "Gulmohar Residency" at Survey No. 19, Mallapur (V), Uppal (M), Medchal-Malkajgiri District vide ref. 1st cited. Subsequently, the proponent has obtained Environmental Clearance (EC) vide Order dt: 18.03.2020 for the revised proposal for Residential Apartments Construction Project vide ref. 2nd cited.
2. The proponent vide reference 3rd cited submitted application to the Board seeking Consent for Establishment (CFE) for the above project with a project cost of Rs. 80 Crores.

The project consists of:

"Residential apartments with 8 Blocks (2B+G+5 floors) to accommodate a total number of 354 units and Amenities Block (B+G+4 Floors).

The parking area to be provided is 20,095.2 Sq.m (38.6%) in Basements to park about 461 four wheelers and 263 two wheelers.

The amenities to be provided includes Sewage Treatment Plant (STP), Community Center, MSW Segregation point, DG sets for emergency supply – 2x125 KVA"

3. As per the application, the proposed project is to be located at Survey No. 19, Mallapur (V), Uppal (M), Medchal-Malkajgiri District with total plot area of 32,392.6 sq.m (area affected by road widening – 404.5 Sq.m), area for Buffer zone (NFC) is 3358.3 Sq.m. and Peripheral Road is 5873.3 Sq.m, Green area of 2,325.6 Sq.m and total Built-up area of 72,177.8 Sq.m.
4. The above site was inspected by Environmental Engineer of Regional Office, RR-I, T.S. Pollution Control Board on 28.07.2020 and observed that the site is surrounded by

North: Nuclear Fuel Complex

South: Restaurant followed by NFC main road

East: Nuclear Fuel Complex

West: Road followed by habitation

5. The Board, after careful scrutiny of the application and additional information submitted by the proponent, verification report of the Regional Officer, E.C. Order dated 18.03.2020 issued by SEIAA and after examining in the CFE-CFO Committee meeting held on 13.08.2020, hereby issues CONSENT FOR ESTABLISHMENT to your project under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to the proposed Residential Apartments Construction Project as mentioned at Para (2) & (3) only.
6. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.
7. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/-
MEMBER SECRETARY

To

M/s. Gulmohar Residency & Jade Estates
C/o Dilpreet Tubes, Plot No. 8, Road No. 5,
Nacharam IE, Hyderabad-500067.

Copy to:

1. The JCEE, ZO, Hyderabad for information and necessary action.
2. The EE, RO, RR-I for information and necessary action.

// T.C.F.B.O//


Senior Environmental Engineer


SCHEDULE – A

1. Separate energy meters shall be provided for Sewage Treatment Plant (STP) to record energy consumed.
2. The proponent shall obtain Consent for Operation (CFO) from TSPCB, as required Under Sec.25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under sec. 21/22 of the Air (Prevention and Control of Pollution) Act, 1981, before commencement of the activity.
3. 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 review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions by the Board.
4. The consent of the Board shall be exhibited in the project premises at a conspicuous place for the information of the inspecting officers of different departments.
5. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
6. Good housekeeping shall be maintained. All pipe valves, sewers, drains shall be leak proof.
7. Rain Water Harvesting (RWH) structure (s) shall be established on the project site. Effluent shall not enter the RWH structures.
8. Half yearly report on project implementation shall be submitted to the RO, TSPCB.
9. **This order is valid for period of 5 years from the date of issue.**

SCHEDULE – B

Water:

1. The source of water is HMWS&SB and the maximum permitted water consumption shall not exceed the following:

S. N	Purpose	Quantity
1	Domestic	256.8 KLD (Fresh Water – 166.9 KLD & Treated Water – 89.9 KLD)

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

S. No	Purpose	Quantity
1	Domestic	205.4 KLD

3. Waste water Treatment & Disposal:

The proponent shall provide STP of 260 KLD capacity consisting of Bar screen chamber→ Grit Chamber→Equalization Tank→Fluidized Aerobic Bio Reactor (FAB)→ Tube settler→Pre Filtration tank→Pressure Sand Filter→Activated Carbon Filter→Final Treated Water Holding Tank→Sludge Filter Press.

The treated water shall comply with the following standards:

Parameter	Standards
pH	6.0 – 9.0
Oil & Grease	10 mg/l
Biochemical Oxygen Demand (BOD)	≤10 mg/l
Chemical Oxygen Demand (COD)	250 mg/l

The treated wastewater shall be reused for toilet flushing and greenbelt development. Excess treated water to be discharged into public sewer.

4. The Sewage Treatment Plant of 260 KLD shall be constructed and commissioned along with the commissioning of the activity. All the units of the STP shall be impervious to prevent ground water pollution. The STP shall be operated in closed circuit so as to avoid smell nuisance.
5. Wastewater shall be treated to comply with BOD standard of less than 10 mg/l.
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. Rain water harvesting for roof run-off and surface run-off should be implemented. Before recharging the surface run off, pre-treatment must be done to remove, suspended matter, oil and grease.
8. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for Domestic, toilet flushing and Greenbelt development purposes.

Air Pollution:

9. Air pollution control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution:

Source	Control equipment
D.G. Sets 2x125 KVA	Acoustic enclosures

10. Diesel generators shall be installed in a closed area with silencers and suitable noise absorption systems. The ambient noise level shall not exceed 65 dB(A) during day time and 55 dB(A) during night time.
11. The fuel used for the diesel generator sets should be low sulphur diesel and should conform to the E (P) Rules prescribed for air and noise emission standards.
12. Ambient noise levels should conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to confirm to the stipulated standards by the CPCB.
13. Vehicles hired to bring construction material to the site should be in a good condition and should conform to ambient air and noise standards and should be operated only during non peak hours.
14. Necessary provisions should be made by providing tarpaulin / GI Sheets around the construction site to reduce the fugitive emissions to the surrounding area.
15. The proponent shall provide wind breaking wall / cladding of 10 m height around the project site till the construction is completed.
16. The project shall comply with the following Dust Mitigation Measures for Construction and Demolition Activities as stipulated in Environment (Protection) Amendment Rules, 2018 notified by the MoEF&CC, GOI, dt. 25.01.2018:
 - No building or infrastructure project requiring Environmental Clearance shall be implemented without approved Environmental Management Plan inclusive of dust mitigation measures.
 - Roads leading to or at construction sites must be paved and blacktopped (i.e. Metallic roads).
 - No excavation of soil shall be carried out without adequate dust mitigation measures in place.

- No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
- Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum upto 10 meters shall be provided.
- Water sprinkling system shall be put in place.

Solid / Hazardous Waste:

17. The proponent shall comply with the following:

S. No	Solid waste	Quantity	Proposed Mode of Disposal
1.	Garbage	1145 Kg/day	Biodegradable waste to be treated in Organic converter. Other waste to MSW Disposal
2.	STP sludge	14 Kg/day	To be used as manure
3.	Used Oil	240 LPA	Authorised recyclers
4.	Used Batteries	8 no./year	
5.	E-waste	--	
6.	C&D waste	3608 T	

18. All the bio-degradable municipal waste shall be treated within the premises (100%). No bio-degradable waste shall be disposed to Municipality. The other recyclable waste shall be disposed to the respective agencies.

19. The solid waste generated shall be properly collected and segregated before disposal. Waste paper, cartons, thermocol, plastic waste, glass etc., shall be disposed to recycling units. E-waste shall be disposed to authorized recycling units.

20. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

21. 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.

22. The following rules and regulations notified by the MoE&F, GoI shall be implemented.

- Solid Waste Management Rules, 2016.
- Construction and Demolition Waste Management Rules, 2016.
- Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- The Plastic Waste Management Rules, 2016.
- Batteries (Management & Handling) Rules, 2001 and its Amendment Rules, 2010.
- E-Waste (Management) Rules, 2016 and its Amendment Rules, 2018.
- Bio-Medical Waste Management Rules, 2016 and its Amendment Rules, 2018.

Other Conditions:

23. The proponent shall explore to utilize solar power of atleast 4% of the total electricity load.

24. Greenbelt shall be developed as stipulated in EC order.

25. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.

26. The proponent shall comply with the provisions laid under Fly ash Notification No.S.O.763 (E), dt. 14.09.1999 and Amendments thereof. As per the provision of Fly ash Notification No.S.O.254 (E), dt. 25.01.2016, 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 comply with all the directions issued by the Board from time to time.
28. 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.
29. The Board reserves its right to modify above conditions or stipulate new / additional conditions and to take action including revocation of this order in the interest of environment protection.
30. 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 the State 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.

Sd/-
MEMBER SECRETARY

To

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Senior Environmental Engineer
