Karnataka State Pollution Control Board

Parisara Bhavana,No.49, Church Street,Bengaluru-560001

Tele : 080-25589112/3, 25581383 Fax:080-25586321 Email id: ho@kspcb.gov.in

Consent For Establishment (CFE)

As per the provisions of

The Water (Prevention & Control of Pollution) Act, 1974

&

The Air (Prevention & Control of Pollution) Act, 1981

To

Mixed use development project by United Developers, Nagondanahalli Village, K.R.Puram Hobli, Bengaluru

for the Facility located at,

Mixed use development project by United Developers,Sy. No. 113/1, 113/2 & 113/6, Katha No. 1119, ,Nagondanahalli Village, K.R.Puram Hobli, Bengaluru

Bangalore Urban

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
CTE-333678	132172	167366	RED/LARGE	06/10/2022

This Consent is granted for the Products/ Activity/Service name indicated in the annexure along with the terms & conditions attached to this order

Validity : 05/10/2027

(This document contains 8 pages including annexure & excluding additional conditions)

Consent Order No. CTE-333678 **PCB ID:** 132172 **Date:** 06/10/2022

To,

The Applicant

Mixed use development project by United Developers
Nagondanahalli Village, K.R Puram
Hobli, Bangalore East Taluk,
Bangalore.

Sir,

Sub: Consent to Establish under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981-reg.,

Ref: 1. CFE application submitted by the industry/organization on 11/07/2022 at Regional Office

2. Inspection of the project site by Regional Officer Bangalore Mahadevapura on 7/7/2022 12:00:00 AM

3.Proceedings of the ECM dated 24/07/2022 ,held on 18/07/2022

With reference to the above, Karnataka State Pollution Control Board hereby accords **Consent for Establishment** for new Activity under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 at the location indicated below subject to the following terms & conditions.

Location:

Name of the Industry: Mixed use development project by United Developers

Address: Sy. No. 113/1, 113/2 & 113/6, Katha No. 1119,, Nagondanahalli Village, K.R.Puram Hobli, Bengaluru

Industrial Area: Not In I.A, Nagondanahalli ,

Taluk: BBMP- W- 84, District: Bangalore Urban

Conditions:

1. This consent for establishment is valid up to **05/10/2027** from the date of issue.
2. The applicant shall not undertake expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.
4. This consent is granted considering the following activities:

Sr	Product Name	Applied Qty	Unit
1	mixed used development project consiting of residential apartment with 206 flats, club house & commercial complex resulting in combined tbua of 43,410.38 sqm	1.0000	Number

I. WATER CONSUMPTION:

1. The source of water shall be from BWSSB and total water consumption shall be as below.

Particulars	Water consumption(KLD)
Domestic Purpose	170.0

II. WATER POLLUTION CONTROL:

1. The discharge from the premises of the applicant shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act or Rules made there under.

2. The applicant shall treat the domestic wastewater from the factory in septic tank with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be designed as per IS 2470 Part - I andPart- II

3. The applicant shall treat the domestic wastewater in the Sewage Treatment Plant (STP) as per the proposal submitted.It shall meet the standards specified in Annexure-I & shall be used on land for gardening/greenbelt within the factory premises.

4. The quantity of domestic waste water and trade effluent generated from the proposed industry shall not exceed the permitted quantity as indicated below

Discharge of effluents under the Water Act:

Sl. No.	Description	Permitted Quantity of discharge in KLD	Mode/Place of disposal
1	Domestic Purpose	136.000	Sewage effluent shall be discharge into STP of capacity 140 KLD, treated to standards stipulated at all times and used for secondary urban purposes within the premises with Zero Liquid discharge outside.

5. The applicant shall treat the trade effluent in proposed ETP which consists of the following;

STP & ETP details

SlNo	ETP/STP NO	ETP Code	Category Name	Capacity (Meter Cubic)	Units	Remarks
1	STP1	BS-	Bar Screen	1.00	1	
2	STP1	CLA	P-Clarifier	56.00	1	
3	STP1	COL	P-Collection Tank	168.00	2	
4	STP1	EQU	P-Equalization Tank	70.00	1	
5	STP1	FTP	P-Filter Press	1.00	1	
6	STP1	AER	S-AERATION TANK	70.00	2	
7	STP1	SHT	S-SLUDGE HOLDING TANK	6.00	1	
8	STP1	CFL	T-CARBON FILTER	1.00	1	
9	STP1	SFL	T-SAND FILTER	1.00	1	

6. The applicant shall ensure that the ETP will treat the effluent to the stipulated standards as indicated in Annexure-I

7. The applicant shall not discharge any effluent outside the industry premises.

8. The applicant shall provide separate flow meter for inflow & outflow of effluents through ETP and separate energy meter and shall maintain a logbook for hourly record of meter reading for the verification of inspecting officers.

9. The applicant shall discharge the effluents only to the place mentioned in the Consent order.

III. AIR POLLUTION CONTROL:

1. The Source of emission, Stack height & Air Pollution Control (APC) measures shall be as specified in ANNEXURE II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

IV. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.

b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.

c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

* A "decibel" is a unit in which noise is measured.

* "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

* Leq: It is an energy mean of the noise level over a specified period.

V. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall collect, treat and dispose off all solid waste generated from the process other than wastes covered under the Hazardous Wastes (Management & Transboundry Movement) Rules 2016, in such manner so as not to cause environmental pollution.

2. The details of solid waste generated from the proposed plant and mode of disposal shall be as below.

Sr	Solid Waste Name/Type	Qty-Unit	Mode of Disposal
1	solide waste = 760.05 Kg/day	22.8010 - M.T	OTH
2	Organic waste = 456.03 Kg/day	13.6809 - M.T	LAN
3	Inorganic waste = 304.02 Kg/day	9.1200 - M.T	OTH
4	STP Sludge = 4.20 Kg/day	0.1260 - M.T	OTH

VI. HAZARDOUS WASTES (MANAGEMENT & TRANSBOUNDRY MOVEMENT) RULES 2016:

1. The industry shall apply and obtain authorization under Hazardous and Other Wastes (Management & Transboundry Movement) Rules 2016, and comply with the provisions of the said Rules.

VII. GENERAL:

1. The applicant shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.

2. The applicant shall not commission the proposed plant for trial or regular production unless necessary Water & air pollution control equipments are installed as specified in the Consent Order.

3. The applicant shall ensure that the treatment plant and control equipments are completed and commissioned simultaneously along with construction of the factory and erection of machineries.

4. The applicant shall not change or alter (a) raw materials or manufacturing process, (b) change the products or product mix (c) the quality, quantity or rate of discharge/emissions and (d) install/replace/alter the water or air pollution control equipments without the prior approval of the Board.

5. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately take appropriate corrective and preventive actions under intimation to the Board.

6. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.

7. This CFE does not give any right to the Party/Project Authority/Industry to forego any other legal requirement, that is necessary for setting/operation of the plant.

8. The applicant shall furnish pointwise compliance to the conditions given under this consent for establishment along with the application for Consent to operate.

9. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration in advance an amount equal to the cost estimated by Competent Agency or Committee.

10. The applicant shall comply with all the Conditions and guidelines issued from time to time.

11. The applicant must create structure/facility for rain water harvesting and ground water recharge.

12. The applicant shall develop extensive green belt within the periphery of the plant.

13. This consent is issued without prejudice to Court Cases pending in any Hon'ble Court.

Please note that this is only consent for establishment issued to you to proceed with the formalities for establishment of the industry and does not give any right to proceed with trial/regular production. For this purpose, separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance of commissioning for trial production of the plant.

The receipt of this letter may please be acknowledged.

FOR AND ON BEHALF OF
KARNATAKA STATE POLLUTION CONTROL BOARD

CHAIRMAN Unit Heads - CHIEF/SENIOR ENVIRONMENTAL OFFICER

Consent Fee paid	: Rs. 128000

Note:

The Conditions Nil mentioned in the schedule are not applicable.

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, Bangalore Mahadevapura for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

ANNEXURE- II

Chim.No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	D.G. Sets	1000 KVA X 1 NO	5	PM,SO2,NOx,CO, NMHC	00,00,00,00,00	DIE	AEC,PRT	Before Commissioning

Note:

AEC,PRT : Accoustic Enclosures

(This document contains 8 pages including annexure & excluding additional conditions)

Additional Conditions:

II (2), (6), III(2), IV(1), V(1), VI(1) & VII(4) these conditions are not applicable.

The project authorities shall strictly comply with the conditions stipulated in Annexure I contains pages.

The CFE is issued as per the recommendations of the Enforcement Committee Meeting held on 18.07.2022 & duly approved by Member Secretary & Hon'ble Chairman.

LOCATION OF SAMPLING PORTHOLES, THE PLATFORMS, THE ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points.The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame or rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period.

3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

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