

Consent Order No. CTE-329614 **PCB ID:** 107064 **Date.** 04/02/2022

To,

The Applicant

Proposed Residential Development With Clubhouse At Kyalasanahalli Village

M/s. Sobha Limited, Sarpura-
Marthahalli ORR,
Devarabisanahalli, Bellandur
post, B

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 28/10/2021 at Regional Office

2. Inspection of the project site by Regional Officer Bangalore on 27/12/2021
 Mahadevapura
3. Proceedings of the ECM dated 01/01/2022 ,held on 29/12/2021

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 Applicant: Proposed Residential Development With Clubhouse At Kyalasanahalli Village

Address: Survey No. 47/1B & 47/2B, Sy. No. 47/1B & 47/2B, Kyalasanahalli, K R Puram Hobli, Bng

Industrial Area: Not In I.A, Bangalore Urban,

Taluk: BBMP- W- 25, District: Bangalore Urban

- Conditions:**
1. This consent for establishment is valid up to 03/02/2027 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/Month	Unit
1	Proposed Residential Development with Clubhouse. Plot area: 26693.85 sq.mt. and Built Up Area: 82793.98 sq.mt. No. of units: 319.	319.0000	NOS

- 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	268.0

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 and Part - 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	241.000	Shall be treated in STP of capacity 270 KLD & Reused for gardening, flushing.

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

STP & ETP details

SINo	ETP/STP NO	ETP Code	Category Name	Capacity (Meter Cubic)	Units	Remarks
1	STP1	BS-	Bar Screen	2.40	1	BSC: 4.8 sq.mt. x 0.5 m SWD
2	STP1	DEC	P-Decanter	135.00	1	Decant tank: 67.5 sq.mt. x 2 m SWD
3	STP1	EQU	P-Equalization Tank	135.00	1	EQT: 45 sq.mt. x 3 m SWD
4	STP1	OGT	P-Oil-Grease Trap	4.80	1	O & GC: 9.60 sq.mt. x 0.5 SWD
5	STP1	SHT	S-SLUDGE HOLDING TANK	33.00	1	SHT: 7.33 sq.mt. x 4.5 m SWD
6	STP1	SEC	Secondary	100.00	1	Treated water tank-II: 14.4 sq.mt. x 6.95 m SWD
7	STP1	SEC	Secondary	90.00	1	SBR: 20 sq.mt. x 4.5 m SWD
8	STP1	CFL	T-CARBON FILTER	0.00	1	ACF: 1.2 m dia x 2.0 HOS
9	STP1	SFL	T-SAND FILTER	0.00	1	PSF: 1.2 dia x 2.0 m HOS
10	STP1	TER	Tertiary	4.00	1	Collection pit: 2.0 x 2.0 x 1.0 m SWD

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 and other 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	organic solid waste	11.8500 - M.T	OTH
2	inorganic solid waste	17.7000 - M.T	OTH
3	STP sludge	0.4000 - M.T	OTH

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

1. The applicat 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.

Chi m.N o.	Chimne y 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	600 KVA DG set	3	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,0,0	DIE	AEC, PRT	Before commissioning.
2	D.G. Sets	500 KVA DG set	3	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,0,0	DIE	AEC, PRT	Before commissioning.
3	D.G. Sets	500 KVA DG set	3	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,0,0	DIE	AEC, PRT	Before commissioning.

Note:
AEC, PRT : Accoustic Enclosures

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, 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.

Equivalent Diameter

=

2 (Length x Width)

(Length + 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.

FOR AND ON BEHALF OF KARNATAKA
POLLUTION CONTROLBOARD