



Karnataka State Pollution Control Board

Zonal Office : Bengaluru East, Nisarga Bhavan 3rd Floor, Thimmaiah Road, 7th D
Main, Shivanagar,, Bengaluru-560010

Tele : 080-23228859

Consent For Establishment (CFE) - (CFE-Fresh)

As per the provisions of
The Water (Prevention & Control of Pollution) Act, 1974
&
The Air (Prevention & Control of Pollution) Act, 1981

To

Mana Constructions Llp, Bengaluru East Taluk, Bengaluru Urban District

for the Facility located at,

Mana Constructions Llp, Sy. No. 194/3 & 195/3, Kodathi Village, Varthur Hobli
, Bengaluru East Taluk, Bengaluru Urban District

Bangalore Urban

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
CTE-337692	151274	191169	ORANGE/LARGE	17/05/2023

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

Validity : 07/05/2028

Combined Consent Order No: CTE-337692

PCB ID: 151274

GSC No : PB0XG0000181169

Date: 17/05/2023

To,

The Occupier,

Mana Constructions Llp

Sy. No. 31/1, Chikkakannahalli
Village, Varthur Hobli,
Bengaluru East Taluk

Sir,

Sub: Consent to Establish new activity under Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981

- Ref: 1. CFE application submitted by the industry/organization on 27/03/2023 at regional Office
2. Inspection of the project site by Regional Officer Bengaluru on 05/05/2023
Mahadevapura

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

Location:

Name of the Industry: Mana Constructions Llp
Address: Sy. No. 194/3 & 195/3, Kodathi Village, Varthur Hobli, Bengaluru East Taluk,
Bengaluru Urban District
Industrial Area: Not In I.A, Bengaluru,
Taluk: Not in BBMP Area, District: Bangalore Urban

- This consent for establishment is valid up to 07/05/2028 from the date of issue.
- The applicant shall not undertake expansion/diversification without the prior consent of the Board.
- The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.
- This consent is granted considering the following activities:

Sr	Product Name	Applied Qty	Unit
1	residential apartment & club house building with 82 no. of units having built up area 34,189.76 sqm	82.0000	Flats/Apartments

I. WATER CONSUMPTION:

- The source of water shall be from Kodathi Gram Panchayath and total water consumption shall be as below

Particulars	Water consumption(KLD)
Domestic Purpose	76.0

(This document contains 10 pages including annexure & excluding additional conditions)

II. WATER POLLUTION CONTROL:

1. The industry 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.
2. The industry 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.
3. Domestic Sewage shall be discharged to Underground drainage System/ Sewers owned by Local body.
4. The trade effluent shall be treated in the Effluent treatment Plant (ETP) to the stipulated standards and the treated trade effluent shall be discharged to the Underground drainage System (UGD) owned by Local body.

(This document contains 10 pages including annexure & excluding additional conditions)

STP & ETP details

SINo	ETP/STP NO	ETP Code	Category Name	Capacity (Meter Cubic)	Units	Remarks
1	STP1	BS-	Bar Screen	1.00	1	BSC Size = 1.0m x 1.0m x 1.0m
2	STP1	EQU	P-Equalization Tank	40.00	1	Equalization tank dimension = 3.2m x 5.0m x 2.5m
3	STP1	OGT	P-Oil-Grease Trap	1.50	1	OGC Size = 1.0m x 1.5m x 1.0m
4	STP1	PRI	Primary	30.00	1	Anoxic tank: 2.4 m X 5.0 m X 2.5 m
5	STP1	AER	S-AERATION TANK	80.00	1	Bio Reactor: 5.33 m x 5.0m x 3.0m
6	STP1	SHT	S-SLUDGE HOLDING TANK	18.00	1	Sludge holding tank dimension = 3.86m x 1.38 x 3.0m
7	STP1	SEC	Secondary	40.00	1	Decanti Tank: 3.89m x 3.42m x 3.0m
8	STP1	CEL	T-CARBON FILTER	1.60	1	ACF is 1.2 m Dia and height 1.5 m.
9	STP1	SFL	I-SAND FILTER	1.60	1	PSF dimension is 1.2 m dia and height 1.5 m.
10	STP1	TER	Tertiary	48.00	1	Final Collection Tank: 3.2m x 5.0 x 3.0m

Discharge of effluents under the Water Act:

Sl. No.	Description	Permitted Quantity of discharge in KLD	Mode/Place of disposal
1	Domestic Purpose	61.000	Domestic Sewage generated from 82 units will be treated In STP of capacity 80 KLD and treated water will be used for Secondary purposes

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 occupier 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 Occupier 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 industry shall collect, treat and dispose off all solid waste generated from the process other than wastes covered under the Hazardous Wastes (Management & Transboundary 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 waste	3.3000 - M.T	OTH
2	Inorganic Waste	4.9800 - M.T	OTH
3	STP Sludge	0.9000 - M.T	OTH

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

1. The industry shall apply and obtain authorization under Hazardous Wastes (Management & Transboundary Movement) Rules 2016, and comply with the conditions of the authorization. The applicant shall apply for authorization along with the consent for operation (CFO) application under the Rules in Form-1 to obtain authorization and comply with conditions.

VII. GENERAL:

1. The applicant shall obtain prior permission from the competent authority for drawing of water from Surface/Ground water source and submit a copy of the same to the Board.
2. The industry 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.
3. The industry 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.
4. The industry shall ensure that the treatment plant and control equipments are completed and commissioned simultaneously along with construction of the factory and erection of machineries.
5. The industry 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.
6. The industry 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.
7. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
8. 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.
9. The industry shall furnish pointwise compliance to the conditions given under this consent for establishment along with the application for Consent to operate.
10. 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 and pay in advance an amount equal to the cost estimated by Competent Agency or Committee.
11. The Project authorities shall apply and obtain prior consent of the Board for any new air pollution sources in future

(This document contains 10 pages including annexure & excluding additional conditions)

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 120 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

Consent Fee paid : Rs. 30000

Note:

The following Conditions mentioned above are not applicable.

COPY TO:

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

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

ANNEXURE- II

(This document contains 10 pages including annexure & excluding additional conditions)

Additional Conditions:

Conditions No. II (1.3.4) are not applicable.

The applicant shall comply with additional conditions as per Annexure - A - uploaded along with CFE order.

For MANA CONSTRUCTIONS LLP



Designated Partner

(This document contains 10 pages including annexure & excluding additional conditions)

For MANA CONSTRUCTIONS LLP



Designated Partner

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Chimney No.	Chimney attached to	KVA Rating/ Capacity	Minimum chimney height to be provided above ground level (in Mtr)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	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	380 KVA -2 Nos.		4 PM, SO2, NOx, CO, NMHC	75,0,710,150,100	AEC, PRT	Before Commissioning

Note:

AEC, PRT : Acoustic Enclosures

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 for rectangular stacks, the equivalent diameter can be calculated from the following equation.

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

- The diameter of the sampling port should not be less than 3". Arrangements should be made so that the porthole is closed firmly during the period when it is not used for sampling.
- 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 off 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

Signature valid

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For MANA CONSTRUCTIONS LLP

[Signature]
Designated Partner