

Consent Order No. CTE-320048 PCB ID: 98292 Date. 07/09/2020

To,

The Applicant

Total Environment Constructions Pvt Ltd

Avalahalli Road, Horamavu

Agara Rd, Bengaluru East

Taluk, Bengaluru.

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 07/08/2020 at Regional Office

2. Inspection of the project site by Regional Officer Bangalore on 12/08/2020 Mahadevapura

3. Proceedings of the CCM dated 25/08/2020 ,held on 24/08/2020

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: Total Environment Constructions Pvt Ltd

Address: 54/1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11, 55, 56, 57, 58, 59/1, Bileshivale Village, Bidarahalli Hobli

Industrial Area: Not In I.A, Bileshivale,

Taluk: BBMP- W- 54, District: Bangalore Urban

Conditions:

1. This consent for establishment is valid up to 06/09/2025 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	Residential cum commercial project	455743.0000	MT2

I. WATER CONSUMPTION:

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

Particulars	Water consumption(KLD)
Domestic Purpose	1051.0

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	978.000	-

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	STP4	BS-	Bar Screen	0.60	1	
2	STP2	BS-	Bar Screen	0.60	1	
3	STP3	BS-	Bar Screen	0.60	1	
4	STP1	BS-	Bar Screen	0.60	1	
5	STP5	BS-	Bar Screen	0.60	1	
6	STP2	EQU	P-Equalization Tank	65.00	1	
7	STP4	EQU	P-Equalization Tank	22.50	2	for block 5 and 6
8	STP5	EQU	P-Equalization Tank	15.00	1	
9	STP1	EQU	P-Equalization Tank	125.00	1	
10	STP3	EQU	P-Equalization Tank	40.00	2	for block 3 and block 4
11	STP1	AER	S-AERATION TANK	125.00	1	
12	STP2	AER	S-AERATION TANK	50.00	1	
13	STP3	AER	S-AERATION TANK	25.00	2	for block 3 and block 4
14	STP4	AER	S-AERATION TANK	12.50	2	for block 5 and 6
15	STP5	AER	S-AERATION TANK	12.50	1	
16	STP5	SHT	S-SLUDGE HOLDING TANK	6.00	1	
17	STP1	SHT	S-SLUDGE HOLDING TANK	54.00	1	
18	STP3	SHT	S-SLUDGE HOLDING TANK	18.00	2	for block 3 and block 4
19	STP4	SHT	S-SLUDGE HOLDING TANK	8.00	2	for block 5 and 6
20	STP2	SHT	S-SLUDGE HOLDING TANK	27.00	1	
21	STP1	CFL	T-CARBON FILTER	1.20	1	
22	STP2	CFL	T-CARBON FILTER	1.20	1	
23	STP3	CFL	T-CARBON FILTER	1.20	2	for block 3 and block 4
24	STP4	CFL	T-CARBON FILTER	1.20	2	for block 5 and 6
25	STP5	CFL	T-CARBON FILTER	1.20	1	
26	STP5	SFL	T-SAND FILTER	1.20	1	
27	STP1	SFL	T-SAND FILTER	1.20	1	
28	STP2	SFL	T-SAND FILTER	1.20	1	
29	STP3	SFL	T-SAND FILTER	1.20	1	
30	STP4	SFL	T-SAND FILTER	1.20	2	for block 5 and 6

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:

1. The applicant shall ensure that the ambient noise levels within its premises shall not exceed the limits i.e. 75 dB(A) Leq during day time and 70 dB(A) Leq during night time as specified in the Environment (Protection) Rules.

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	IN ORGANIC WASTE	111.0000 - M.T	OTH
2	ORGANIC WASTE	126.0000 - M.T	OTH
3	STP SLUDGE	3.0000 - 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.
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.

Consent Fee paid : Rs. 200000

Note:

The Conditions Nil mentioned in the schedule are not applicable.

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 09 pages.

The CFE is issued as per the recommendations of the Consent Committee Meeting held on 24.08.2020 & duly approved by Member Secretary & Hon'ble Chairman.

- COPY TO:**
- The Environmental Officer, KSPCB, Regional Office, Bangalore Mahadevapura for information and to inspect the industry during your next visit to the area.
 - Master copy (Dispatch).
 - Office copy.

ANNEXURE- II

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	630 KVA x 2	40	PM(mg/NM3),SO2 (PPM),NOx(PPM)	600,0,0	DIE	GRB,PRT	Before commissioning.
2	D.G. Sets	380 KVA x 3	34	PM(mg/NM3),SO2 (PPM),NOx(PPM)	600,0,0	DIE	GRB,PRT	Before commissioning.
3	D.G. Sets	750 KVA x 7	40	PM(mg/NM3),SO2 (PPM),NOx(PPM)	600,0,0	DIE	GRB,PRT	Before commissioning.
4	D.G. Sets	500 KVA x 2	35	PM(mg/NM3),SO2 (PPM),NOx(PPM)	600,0,0	DIE	GRB,PRT	Before commissioning.

Note:

GRB,PR : Green Belt

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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 at least 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

Signature Not Verified

Digitally signed by ?

Date: 2020.09.07 15:27:51 +05:30

Total Environment Constructions
No. PCB/25/CNP/16

ANNEXURE - I

Sub: Expansion/Modification of Consent for Establishment (CFE) for construction of Residential Apartment from 560 flats to 1557 flats **in the name of "In That Quite Earth (ITQE)"** having total built up area of 4,55,743.32 Sq.m located at Sy. No. 54/1, 54/2, 54/3, 54/4, 54/5, 54/6, 54/7, 54/8, 54/9, 55, 56, 57, 58, 59/1, 59/2, 59/3, 59/4, 59/5, 60/1, 60/2, 60/3, 60/4, 61/1, 61/2, 61/3, 61/4, 61/7, 63/1, 63/2, 63/3, 63/5, 63/6, 64/2, 64/3, 64/4, 64/5, 64/6, 64/7, 64/8, 64/9, 65, 68, 69/1, 69/2, 70, 72, 74/3, 75/1, 75/2, 75/3, 75/10, 76(P), 86/2 of Bileshivale Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru by **M/s. Total Environment Constructions Pvt Ltd.,**

- Ref:
1. CFE No. PCB/25/CNP/15/H-160 dated 27.05.2016.
 2. CFEexp applications received at the Regional Office, KSPCB, **Mahadevapura** on 21.08.2020.
 3. Inspection of the proposed project site by the Officer of the Regional Office, KSPCB, **Mahadevapura** on 12.08.2020.
 4. EC No. SEIAA 142 CON 2015 dated 18.12.2015.
 5. Expansion & Modification of EC No. SEIAA 151 CON 2018 dated 21.09.2019.
 6. The proceedings of the consent committee meeting held on 24.08.2020.



With reference to the above, it is to be informed that, the Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act, 1974, expansion/modification for construction of **Residential Apartment from 560 flats to 1557 flats in the name of "In That Quite Earth (ITQE)"** having total built up area of **4,55,743.32 Sq.m** located at Sy. No. 54/1, 54/2, 54/3, 54/4, 54/5, 54/6, 54/7, 54/8, 54/9, 55, 56, 57, 58, 59/1, 59/2, 59/3, 59/4, 59/5, 60/1, 60/2, 60/3, 60/4, 61/1, 61/2, 61/3, 61/4, 61/7, 63/1, 63/2, 63/3, 63/5, 63/6, 64/2, 64/3, 64/4, 64/5, 64/6, 64/7, 64/8, 64/9, 65, 68, 69/1, 69/2, 70, 72, 74/3, 75/1, 75/2, 75/3, 75/10, 76(P), 86/2 of Bileshivale Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru by **M/s. Total Environment Constructions Pvt Ltd.,** subject to the following conditions.

I. Environmental Aspects and Management during the course of construction:

- a) This Consent for Establishment shall be valid for the period of **5 years** or in Co-terminus with the validity of Environmental Clearance (EC) issued by State Level Environment Impact Assessment Authority-Karnataka vide No. SEIAA 142 CON 2015 dated 18.12.2015 & Expansion & Modification of EC No. SEIAA 151 CON 2018 dated 21.09.2019 and shall strictly adhere to the conditions stipulated in the Environmental clearance.


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- b) The applicant shall arrange services to the labourers like housing facility, water supply, sewage facilities on a temporary basis at the construction site and same shall be maintained without any adverse impact on the environment. A mobile STP shall be provided for the labour colony and treated sewage shall be used for the curing, non load bearing structures, dust suppression and related activities.
- c) As per the Government Order No: FEE 188 ENV 2003, Bangalore Dated 14-08-2003, fresh water usage for the construction activity is prohibited and only treated sewage shall be used in and around the city of Bengaluru.
- d) If any nearby project with excess treated sewage is identified, the Board can facilitate to accord permission for the usage of the same in your premises.
- e) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise and dust pollution in the surroundings.
- f) Before handing over the project to the Residents' Association, the Project Proponent shall have the valid Consent for Operation with all the Environmental Aspects complied including establishment and operation of Sewage Treatment Plant (STP) solid waste processing facility (for Organic).
- g) This CFE is issued only from the point of pollution control and does not have any relevance over the land dispute, any pending cases with any Departments / Hon'ble Courts.
- h) **The applicant shall strictly adhere to the Zoning Regulation with respect to buffer zone towards any Lake, Nala, drain or any other water bodies as per the local planning authority guidelines.**
- i) The applicant shall submit final approved plan from competent authority to the Board before taking up any developmental activities/ constructions.

II. WATER CONSUMPTION:

1. The water consumption for the above project activity shall not exceed **666 KLD**. The applicant shall not draw the water from bore wells without the prior permission of Central / State Ground Water Authority (CGWA / SGWA)

III. WATER POLLUTION CONTROL:

1. The total quantity of sewage shall not exceed **633 KLD** and shall be treated in the sewage treatment plant of capacity **500 KLD (Block - 1), 260 KLD (Block - 2), 160 KLD (Block 3 & 4), 80 KLD (Block 5 & 6), 60 KLD (Block - 7)** with the treatment scheme as submitted in the STP proposal to meet the standards stipulated below before utilizing for Urban Reuse viz., landscape/gardening, toilet flushing, for fire protection and commercial air conditioners. STP shall be constructed on modular basis to cater to phase-wise development and applicant shall follow STP construction and operation guidelines published by the Board.

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Table-I		
Sl. No	Parameter	Prescribed Standards *
01.	pH	6.5 – 9.0
02.	BOD (mg/l)	Not more than 10
03.	COD (mg/l)	Not more than 50
04.	TSS (mg/l)	Not more than 20
05.	NH ₄ -N (mg/l)	Not more than 5
06.	N-Total (mg/l)	Not more than 10
07.	Fecal Coliform (MPN/100 ml).	Less than 100

* The above standards are applicable till new notification to be issued from MOEF & CC with respect sewage.

2. The location of the STP shall be as per the guidelines shown below:
 - a) The STP in the basement should be avoided as it tends to create vibrations, Noise pollution and Smell nuisance.
 - b) The STP may be located under Drive Way, Clubhouses, Play Area and as far as possible away from Houses nearby.
 - c) The entry to the STP shall be free from the entry of rain water.
3. Applicant shall add appropriate disinfectant to treated sewage to ensure residual chlorine preferably in the range of 1 mg/l. to 3 mg/l.
4. If the treatment plants do not achieve the sewage effluent standards stipulated under conditions (1) above or if it is found to be inadequate, then the applicant shall have to modify the units so as to meet the standards with prior consent of the Board.
5. All the treatment units shall be made impervious and there shall not be any discharge of treated/untreated sewage outside the premises at any given point of time. The entire waste water shall be used in house for secondary purposes only. In case of excess treated sewage is available, an arrangement can be done with the users viz.. Civic authorities Parks, other construction purposes nearby with proper documentation and approval of the KSPCB. If any left out excess treated sewage available the same shall be subjected for forced evaporation..
6. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other secondary purposes
7. Separate energy meter and flow meter shall be provided to STP's and a log book on reading of energy meter and flow meters shall be maintained.
8. The project authorities shall ensure adherence to the CFE conditions even after handing over of project to Association/Company/Individual persons.

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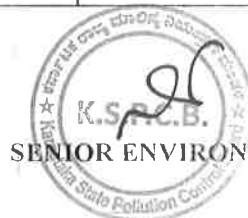
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9. The applicant shall provide 'DANGER' sign board near the STP to maintain safety of the operational personnel and shall maintain operational safety protocol. Proper signages shall be displayed in both Kannada and English at the taps where treated sewage is flowing as not fit for drinking.
10. Exact date of commissioning of the sewage treatment plant shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the applicant
11. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operations of STP.
12. Online sensor shall be fixed up to know the status on the quantity of sewage (treated/untreated) and also its quality and the same shall be synchronized to the PCB dash Board.
13. The treated waste water utilization for Car/floor wash is not permitted in case if used, separate unit shall be provided for oil and grease removal.

IV. AIR POLLUTION CONTROL:

1. There shall not be any additional air emission sources, other than approved in the CFE. In case of any additional air emission sources are required to be installed, prior permission of the Board shall be obtained.
2. The applicant shall provide netlon mesh barrier wherever there are likely chances of dust generation which may cause inconvenience to the neighbors. **Mobile Fogging** type dust suppression system which uses lesser quantity of the water shall be made available to use at the locations where the activities might generates dust during construction period at the proposed project site.
3. The following emission sources are permitted:

SL No	Source of Emissions	Type of Fuel	Chimney height	Pollution control measures to be provided / remarks
1	750 KVA DG Set x 7 Nos.	Diesel	40m AGL	-
2	500 KVA DG Set x 2 Nos.	Diesel	35m AGL	-
3	630 KVA DG Set x 2 Nos.	Diesel	34m AGL	-
4	380 KVA DG Set x 2 Nos.	Diesel	40m AGL	-



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- The applicant shall install online continuous air emission monitoring system to the DG Set of more than 1000KVA capacity and data shall be linked to KSPCB DASH BOARD

V. NOISE POLLUTION CONTROL:

- The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period to the noise level as tabulated below as per Noise Pollution (Regulation and Control) Rules, 2000:

Area code	Category of Area/Zone	Limit in dB(A)leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

VI. SOLID WASTE DISPOSAL:

- The applicant shall earmark sufficient place for segregation, processing and management of the bio-degradable solid waste generated from unit.
- The organic waste shall be processed only in house and the same shall be subjected to Bio-methanization process and the Bio gas generated shall be used either for generation of power or for the heating purposes. The complete technical details shall be furnished within 90 days
- The inorganic waste shall be handed over to the authorized persons only with proper documentation.
- The applicant shall strictly follow the Government Notification No. FEE 17 EPC 2012 Bangalore dated 11.03.2016 with regard to plastics ban.

VII.CONSTRUCTION AND DEMOLITION WASTE:

- The applicant shall strictly follow Construction & Demolition Waste Management Rules, 2016.
- The applicant shall collect and dispose off all solid waste generated during construction in a scientific way so as not to cause environmental pollution in the surrounding.
- The applicant shall ensure that the C & D waste shall be free from plastics and other organic matter.



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4. The C&D waste generated during the development/construction phase shall be handed over only to the C & D waste processing facility which has the valid Consent/Authorization of the Board.
5. Records pertaining to the generation, transportation of C&D waste including vehicle numbers, invoices/payment receipts shall be maintained and furnished to the board once in 03 months. In case there is no such waste generated/transported 'Nil' returns with a signature of the authorized persons shall be furnished.
6. At no instances the waste shall be disposed illegally by dumping in valley, lakes or any other places directly or through the transporter. The generator will be held responsible for such violations even if done by the transporter and is liable for legal actions.
7. The applicant shall explore to use sand from crushed demolition waste, manufactured sand instead of river sand.
8. The trucks entering and exiting the site shall be subjected to "wheel and trucks bottom washing" with a permanent arrangement and to reuse the waste water again.

VIII.HEALTH & SAFETY:

1. The applicant shall provide all necessary healthcare facilities to workers with personal protective measures to avoid spreading of COVID like virus outbreak and shall carry out routine health survey among workers.
2. The waste generated during the COVID period like Masks, Gloves and protective covers shall be packed separately without mixing with the other garbage and shall be disposed off separately to the common Bio-Medical waste management facilities.
3. The used sanitary napkins shall be packed separately and handed over to the civic authorities for the safe disposal of the same.
4. The applicant shall provide all safety measures including personal protective equipment to workers during construction.
5. Precaution shall be taken to avoid any personnel coming in contact with the Methane gas generated from the STP/Bio gas plant. Necessary protective equipment with prescribed calibration shall be made available at all times.

IX. GENERAL:

1. The applicant shall adopt rain water harvesting and details with drawings shall be furnished within a month.
2. The excess water beyond rain water harvesting shall be let into recharge pits of sufficient numbers. The design details shall be furnished within a month.
3. The applicant must create structure/facility for rain water harvesting and ground water recharge pits to facilitate the increase of ground water table.
4. The applicant shall arrange for alternate power supply in the form of D.G.Set to run and operate the essential units of sewage treatment plant, in event of brake down of regular supply. The applicant shall dispose off used oil, oil soaked waste including oil filters which generates from servicing of DG sets to KSPCB authorized recyclers
5. The applicant shall make provisions for wooded Buffer zone all along the periphery of the layout.
6. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP and the details shall be furnished.
7. The applicant shall not change or alter (a) number of Sites (b) Layout plan (c) the quality, quantity or rate of discharge/ emissions and (d) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
8. The applicant shall immediately report to the Board of in case 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 applicant shall immediately take appropriate corrective and preventive actions under intimation.
9. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
10. This CFE does not give any right to the Party/Project Authority to forego any legal requirement, which is necessary for setting/operation of the project.
11. The project authorities shall dispose scientifically the Bio-Medical waste and electronic waste to authorized common disposal facility and authorized recyclers respectively by entering into agreement as per new Bio Medical Waste Management Rules, 2016 and E- Waste (Management) Rules, 2016.



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12. The project authorities shall not use Kharab land if any for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.
13. 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.
14. The CFE is issued without prejudice to the Court case pending in any Hon'ble Court.
15. The applicant shall take all necessary steps not to cover the storm water drains within the vicinity of the project site & are desilted & kept clean at all times.
16. No sewage, solid waste and C & D waste should be put in the storm water drains and these drain should be encroachment free.
17. The project proponent shall provide necessary electrical charging facilities for battery operated vehicles in the car parking area.
18. Monthly monitoring of Ambient Air and Noise Quality shall be conducted and report shall be furnished.
19. There shall not be any public complaint against the project on Air, Noise and Water Pollution, in case of the any complaint the applicant shall stop the construction activity and shall take appropriate measures before resuming construction activity with due information to the Board.
20. The data on number and type of trees available in the proposed project site and number of trees which are going to be cut shall be submitted within 30 days. For any tree cutting the permission shall be obtained from the competent authority and copy shall be furnished to Board.
21. The applicant shall obtain prior permission from CGWA (Central Ground Water Authority) before digging borewell in the premises.
22. The applicant shall seek extension through a letter 30 days in advance of the expiry of validity period of CFE/CFExpn order with proper reasons for seeking such extension if required otherwise CFE/CFExpn period will become null and void and the file will be treated as closed. Then the applicant has to apply for fresh CFE/CFExpn.

23. **CAUTION BOARD AT STPs:** Whenever there is a maintenance and staff get into STP, especially in the basements a display Board “ Caution – Danger” shall be put up. The gases generated might choke & create Breathlessness and may be fatal. During such activities the person entering shall do so with all protective equipments including the Oxygen portable cylinder with mask. Two more persons shall be watching from outside and shall immediately evacuate the person inside if such situation arises. A minimum of two sets of such protective gear shall always be kept available in a working condition.

Please note that separate consent for operation of the Board for discharge of liquid effluent shall be obtained by remitting prescribed consent fee.

The application for Consent has to be made 45 days in advance to completion of Residential Layout. Issue of Consent will be considered only after completion of sewage treatment plant, solid waste management facilities and adoption of complete treated waste water utilization system.

The receipt of this letter may please be acknowledged.

For and on behalf of
Karnataka State Pollution Control Board



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Total Environment Constructions
No. PCB/25/CNP/16

ANNEXURE - I

Sub: Expansion/Modification of Consent for Establishment (CFE) for construction of Residential Apartment from 560 flats to 1557 flats **in the name of "In That Quite Earth (ITQE)"** having total built up area of 4,55,743.32 Sq.m located at Sy. No. 54/1, 54/2, 54/3, 54/4, 54/5, 54/6, 54/7, 54/8, 54/9, 55, 56, 57, 58, 59/1, 59/2, 59/3, 59/4, 59/5, 60/1, 60/2, 60/3, 60/4, 61/1, 61/2, 61/3, 61/4, 61/7, 63/1, 63/2, 63/3, 63/5, 63/6, 64/2, 64/3, 64/4, 64/5, 64/6, 64/7, 64/8, 64/9, 65, 68, 69/1, 69/2, 70, 72, 74/3, 75/1, 75/2, 75/3, 75/10, 76(P), 86/2 of Bileshivale Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru by **M/s. Total Environment Constructions Pvt Ltd.,**

- Ref:
1. CFE No. PCB/25/CNP/15/H-160 dated 27.05.2016.
 2. CFEEexp applications received at the Regional Office, KSPCB, **Mahadevapura** on 21.08.2020.
 3. Inspection of the proposed project site by the Officer of the Regional Office, KSPCB, **Mahadevapura** on 12.08.2020.
 4. EC No. SEIAA 142 CON 2015 dated 18.12.2015.
 5. Expansion & Modification of EC No. SEIAA 151 CON 2018 dated 21.09.2019.
 6. The proceedings of the consent committee meeting held on 24.08.2020.



With reference to the above, it is to be informed that, the Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act, 1974, expansion/modification for construction of **Residential Apartment from 560 flats to 1557 flats in the name of "In That Quite Earth (ITQE)"** having total built up area of **4,55,743.32 Sq.m** located at Sy. No. 54/1, 54/2, 54/3, 54/4, 54/5, 54/6, 54/7, 54/8, 54/9, 55, 56, 57, 58, 59/1, 59/2, 59/3, 59/4, 59/5, 60/1, 60/2, 60/3, 60/4, 61/1, 61/2, 61/3, 61/4, 61/7, 63/1, 63/2, 63/3, 63/5, 63/6, 64/2, 64/3, 64/4, 64/5, 64/6, 64/7, 64/8, 64/9, 65, 68, 69/1, 69/2, 70, 72, 74/3, 75/1, 75/2, 75/3, 75/10, 76(P), 86/2 of Bileshivale Village, Bidarahalli Hobli, Bengaluru East Taluk, Bengaluru by **M/s. Total Environment Constructions Pvt Ltd.,** subject to the following conditions.

I. Environmental Aspects and Management during the course of construction:

- a) This Consent for Establishment shall be valid for the period of **5 years** or in Co-terminus with the validity of Environmental Clearance (EC) issued by State Level Environment Impact Assessment Authority-Karnataka vide No. SEIAA 142 CON 2015 dated 18.12.2015 & Expansion & Modification of EC No. SEIAA 151 CON 2018 dated 21.09.2019 and shall strictly adhere to the conditions stipulated in the Environmental clearance.


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- b) The applicant shall arrange services to the labourers like housing facility, water supply, sewage facilities on a temporary basis at the construction site and same shall be maintained without any adverse impact on the environment. A mobile STP shall be provided for the labour colony and treated sewage shall be used for the curing, non load bearing structures, dust suppression and related activities.
- c) As per the Government Order No: FEE 188 ENV 2003, Bangalore Dated 14-08-2003, fresh water usage for the construction activity is prohibited and only treated sewage shall be used in and around the city of Bengaluru.
- d) If any nearby project with excess treated sewage is identified, the Board can facilitate to accord permission for the usage of the same in your premises.
- e) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise and dust pollution in the surroundings.
- f) Before handing over the project to the Residents' Association, the Project Proponent shall have the valid Consent for Operation with all the Environmental Aspects complied including establishment and operation of Sewage Treatment Plant (STP) solid waste processing facility (for Organic).
- g) This CFE is issued only from the point of pollution control and does not have any relevance over the land dispute, any pending cases with any Departments / Hon'ble Courts.
- h) The applicant shall strictly adhere to the Zoning Regulation with respect to buffer zone towards any Lake, Nala, drain or any other water bodies as per the local planning authority guidelines.**
- i) The applicant shall submit final approved plan from competent authority to the Board before taking up any developmental activities/ constructions.

II. WATER CONSUMPTION:

1. The water consumption for the above project activity shall not exceed **666 KLD**. The applicant shall not draw the water from bore wells without the prior permission of Central / State Ground Water Authority (CGWA / SGWA)

III. WATER POLLUTION CONTROL:

1. The total quantity of sewage shall not exceed **633 KLD** and shall be treated in the sewage treatment plant of capacity **500 KLD (Block - 1), 260 KLD (Block - 2), 160 KLD (Block 3 & 4), 80 KLD (Block 5 & 6), 60 KLD (Block - 7)** with the treatment scheme as submitted in the STP proposal to meet the standards stipulated below before utilizing for Urban Reuse viz., landscape/gardening, toilet flushing, for fire protection and commercial air conditioners. STP shall be constructed on modular basis to cater to phase-wise development and applicant shall follow STP construction and operation guidelines published by the Board.

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Table-I		
Sl. No	Parameter	Prescribed Standards *
01.	pH	6.5 – 9.0
02.	BOD (mg/l)	Not more than 10
03.	COD (mg/l)	Not more than 50
04.	TSS (mg/l)	Not more than 20
05.	NH ₄ -N (mg/l)	Not more than 5
06.	N-Total (mg/l)	Not more than 10
07.	Fecal Coliform (MPN/100 ml).	Less than 100

* The above standards are applicable till new notification to be issued from MOEF & CC with respect sewage.

2. The location of the STP shall be as per the guidelines shown below:
 - a) The STP in the basement should be avoided as it tends to create vibrations, Noise pollution and Smell nuisance.
 - b) The STP may be located under Drive Way, Clubhouses, Play Area and as far as possible away from Houses nearby.
 - c) The entry to the STP shall be free from the entry of rain water.
3. Applicant shall add appropriate disinfectant to treated sewage to ensure residual chlorine preferably in the range of 1 mg/l. to 3 mg/l.
4. If the treatment plants do not achieve the sewage effluent standards stipulated under conditions (1) above or if it is found to be inadequate, then the applicant shall have to modify the units so as to meet the standards with prior consent of the Board.
5. All the treatment units shall be made impervious and there shall not be any discharge of treated/untreated sewage outside the premises at any given point of time. The entire waste water shall be used in house for secondary purposes only. In case of excess treated sewage is available, an arrangement can be done with the users viz.. Civic authorities Parks, other construction purposes nearby with proper documentation and approval of the KSPCB. If any left out excess treated sewage available the same shall be subjected for forced evaporation..
6. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other secondary purposes
7. Separate energy meter and flow meter shall be provided to STP's and a log book on reading of energy meter and flow meters shall be maintained.
8. The project authorities shall ensure adherence to the CFE conditions even after handing over of project to Association/Company/Individual persons.

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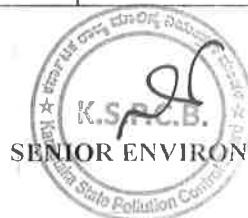
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9. The applicant shall provide 'DANGER' sign board near the STP to maintain safety of the operational personnel and shall maintain operational safety protocol. Proper signages shall be displayed in both Kannada and English at the taps where treated sewage is flowing as not fit for drinking.
10. Exact date of commissioning of the sewage treatment plant shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the applicant
11. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operations of STP.
12. Online sensor shall be fixed up to know the status on the quantity of sewage (treated/untreated) and also its quality and the same shall be synchronized to the PCB dash Board.
13. The treated waste water utilization for Car/floor wash is not permitted in case if used, separate unit shall be provided for oil and grease removal.

IV. AIR POLLUTION CONTROL:

1. There shall not be any additional air emission sources, other than approved in the CFE. In case of any additional air emission sources are required to be installed, prior permission of the Board shall be obtained.
2. The applicant shall provide netlon mesh barrier wherever there are likely chances of dust generation which may cause inconvenience to the neighbors. **Mobile Fogging** type dust suppression system which uses lesser quantity of the water shall be made available to use at the locations where the activities might generates dust during construction period at the proposed project site.
3. The following emission sources are permitted:

SL No	Source of Emissions	Type of Fuel	Chimney height	Pollution control measures to be provided / remarks
1	750 KVA DG Set x 7 Nos.	Diesel	40m AGL	-
2	500 KVA DG Set x 2 Nos.	Diesel	35m AGL	-
3	630 KVA DG Set x 2 Nos.	Diesel	34m AGL	-
4	380 KVA DG Set x 2 Nos.	Diesel	40m AGL	-



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- The applicant shall install online continuous air emission monitoring system to the DG Set of more than 1000KVA capacity and data shall be linked to KSPCB DASH BOARD

V. NOISE POLLUTION CONTROL:

- The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period to the noise level as tabulated below as per Noise Pollution (Regulation and Control) Rules, 2000:

Area code	Category of Area/Zone	Limit in dB(A)leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

VI. SOLID WASTE DISPOSAL:

- The applicant shall earmark sufficient place for segregation, processing and management of the bio-degradable solid waste generated from unit.
- The organic waste shall be processed only in house and the same shall be subjected to Bio-methanization process and the Bio gas generated shall be used either for generation of power or for the heating purposes. The complete technical details shall be furnished within 90 days
- The inorganic waste shall be handed over to the authorized persons only with proper documentation.
- The applicant shall strictly follow the Government Notification No. FEE 17 EPC 2012 Bangalore dated 11.03.2016 with regard to plastics ban.

VII.CONSTRUCTION AND DEMOLITION WASTE:

- The applicant shall strictly follow Construction & Demolition Waste Management Rules, 2016.
- The applicant shall collect and dispose off all solid waste generated during construction in a scientific way so as not to cause environmental pollution in the surrounding.
- The applicant shall ensure that the C & D waste shall be free from plastics and other organic matter.



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4. The C&D waste generated during the development/construction phase shall be handed over only to the C & D waste processing facility which has the valid Consent/Authorization of the Board.
5. Records pertaining to the generation, transportation of C&D waste including vehicle numbers, invoices/payment receipts shall be maintained and furnished to the board once in 03 months. In case there is no such waste generated/transported 'Nil' returns with a signature of the authorized persons shall be furnished.
6. At no instances the waste shall be disposed illegally by dumping in valley, lakes or any other places directly or through the transporter. The generator will be held responsible for such violations even if done by the transporter and is liable for legal actions.
7. The applicant shall explore to use sand from crushed demolition waste, manufactured sand instead of river sand.
8. The trucks entering and exiting the site shall be subjected to "wheel and trucks bottom washing" with a permanent arrangement and to reuse the waste water again.

VIII.HEALTH & SAFETY:

1. The applicant shall provide all necessary healthcare facilities to workers with personal protective measures to avoid spreading of COVID like virus outbreak and shall carry out routine health survey among workers.
2. The waste generated during the COVID period like Masks, Gloves and protective covers shall be packed separately without mixing with the other garbage and shall be disposed off separately to the common Bio-Medical waste management facilities.
3. The used sanitary napkins shall be packed separately and handed over to the civic authorities for the safe disposal of the same.
4. The applicant shall provide all safety measures including personal protective equipment to workers during construction.
5. Precaution shall be taken to avoid any personnel coming in contact with the Methane gas generated from the STP/Bio gas plant. Necessary protective equipment with prescribed calibration shall be made available at all times.


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IX. GENERAL:

1. The applicant shall adopt rain water harvesting and details with drawings shall be furnished within a month.
2. The excess water beyond rain water harvesting shall be let into recharge pits of sufficient numbers. The design details shall be furnished within a month.
3. The applicant must create structure/facility for rain water harvesting and ground water recharge pits to facilitate the increase of ground water table.
4. The applicant shall arrange for alternate power supply in the form of D.G.Set to run and operate the essential units of sewage treatment plant, in event of brake down of regular supply. The applicant shall dispose off used oil, oil soaked waste including oil filters which generates from servicing of DG sets to KSPCB authorized recyclers
5. The applicant shall make provisions for wooded Buffer zone all along the periphery of the layout.
6. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP and the details shall be furnished.
7. The applicant shall not change or alter (a) number of Sites (b) Layout plan (c) the quality, quantity or rate of discharge/ emissions and (d) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
8. The applicant shall immediately report to the Board of in case 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 applicant shall immediately take appropriate corrective and preventive actions under intimation.
9. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
10. This CFE does not give any right to the Party/Project Authority to forego any legal requirement, which is necessary for setting/operation of the project.
11. The project authorities shall dispose scientifically the Bio-Medical waste and electronic waste to authorized common disposal facility and authorized recyclers respectively by entering into agreement as per new Bio Medical Waste Management Rules, 2016 and E- Waste (Management) Rules, 2016.



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12. The project authorities shall not use Kharab land if any for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.
13. 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.
14. The CFE is issued without prejudice to the Court case pending in any Hon'ble Court.
15. The applicant shall take all necessary steps not to cover the storm water drains within the vicinity of the project site & are desilted & kept clean at all times.
16. No sewage, solid waste and C & D waste should be put in the storm water drains and these drain should be encroachment free.
17. The project proponent shall provide necessary electrical charging facilities for battery operated vehicles in the car parking area.
18. Monthly monitoring of Ambient Air and Noise Quality shall be conducted and report shall be furnished.
19. There shall not be any public complaint against the project on Air, Noise and Water Pollution, in case of the any complaint the applicant shall stop the construction activity and shall take appropriate measures before resuming construction activity with due information to the Board.
20. The data on number and type of trees available in the proposed project site and number of trees which are going to be cut shall be submitted within 30 days. For any tree cutting the permission shall be obtained from the competent authority and copy shall be furnished to Board.
21. The applicant shall obtain prior permission from CGWA (Central Ground Water Authority) before digging borewell in the premises.
22. The applicant shall seek extension through a letter 30 days in advance of the expiry of validity period of CFE/CFExpn order with proper reasons for seeking such extension if required otherwise CFE/CFExpn period will become null and void and the file will be treated as closed. Then the applicant has to apply for fresh CFE/CFExpn.

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Karnataka State Pollution Control Board



SENIOR ENVIRONMENTAL OFFICER

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KARNATAKA STATE POLLUTION CONTROL BOARD

Online Payment Receipt

XGN_ID	98292
Name of the Organization	Total Environment Constructions Pvt Ltd
Correspondence Address	Avalahalli Road, Horamavu Agara Rd, Bengaluru East Taluk, Bengaluru.
Inward no	94055
Inward Type	CEF
Name of the Regional Office	Bengaluru Mahadevapura
Bank Reference Number	SHMP9086532549
OrderId	85139
Date Of Payment	07/08/2020 00:00:00
Transaction Amount (In Rs.)	200000.00
Transaction Amount (In Words)	Two Lakh Rupees only