ಫ್ಯಾಕ್ಸ್ / Fax : 080-25586321
ಈಮೇಲ್ / E-mail : ho@kspcb.gov.in
ವೆಬ್‌ಸೈಟ್ / Website : http://kspcb.gov.in

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

☎ 25581383, 25589112
25588151, 25588270
25588142, 25586520

BCV Developers.

NO. PCB/76/CNP/11/ H1388 DATED: 16 MAR 2012

/ BY REGD. POST WITH ACK. DUE /

(THIS ORDER CONTAINS 07 PAGES INCLUDING ANNEXURES)

To
Mr. Kailash Advani, Chief Executive Officer,
M/s. BCV Developers Pvt. Ltd.,
82, Hulkul Brigade Centre,
3rd Floor, Lavelle Road,
Bangalore – 560 001.

Sir,

Sub: Consent for establishment to develop Integrated township and Commercial Complex comprising of Residential Villas – 102 Nos., Town Houses 185, LIG Houses – 651 Nos, MIG Houses – 2,248 Nos., HIG Houses – 1005 Nos and Office cum Retail in 2 Blocks, with total built up area of 6,29,259 Sq.mtrs. in an extent of 112 Acres at Sy. No. 30/1, 33, 35/1, 35/3, 35/3, 35/4, 36, 37/2, 38/2 & 39 of Rayasandra Village and Sy. No. 368/1, 368/2, 368/3, 371/1, 371/2, 372, 376/4, 397, 413/1 & 413/2 of Devanahalli Village, Devanahalli Taluk, Bangalore (R) District by M/s. B.C.V. Developers Pvt. Ltd.,

Ref:
1. Application for consent for establishment received at Regional Office, KSPCB, Bangalore North-1 on 02.02.2011.
2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, Bangalore North-1 on 19.05.2011.
3. Proceedings of the consent committee meeting held on 02.07.2011.
4. Proceedings of the Technical Presentation and Inspection of the Hon'ble Chairman, KSPCB, Bangalore on 11.08.2011.
5. Project proponent letter dated 04.10.2011 & 17.10.2011.
6. Project proponent letter dated 28.10.2011.
7. Project proponent letter dated 08.12.2011.

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With reference to the above, it is to be informed that this Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act, 1981 **to develop Integrated township and Commercial Complex comprising of Residential Villas – 102 Nos., Town Houses 185, LIG Houses – 651 Nos, MIG Houses – 2,248 Nos., HIG Houses – 1005 Nos and Office cum Retail in 2 Blocks, with total built up area of 6,29,259 Sq.mtrs. in an extent of 112 Acres at Sy. No. 30/1, 33, 35/1, 35/3, 35/3, 35/4, 36, 37/2, 38/2 & 39 of Rayasandra Village and Sy. No. 368/1, 368/2, 368/3, 371/1, 371/2, 372, 376/4, 397, 413/1 & 413/2 of Devanahalli Village, Devanahalli Taluk, Bangalore (R) District by M/s. B.C.V. Developers Pvt. Ltd.,** subject to the following conditions.

15/03/2012

Senior Environmental Officer (08)

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

a) The applicant should cover the project site from all sides by raising sufficiently tall barricades with sheets to ensure that pollutants should not spill to the surroundings.

b) The applicant shall arrange services like housing facility, water supply, sewage facilities on a temporary basis at construction site and same shall be maintained without any adverse impact on the environment.

c) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise pollution in the surrounding.

d) The natural valley passing through the site shall be preserved intact and buffer zone on both the sides as per the I.M.P. shall left and green belt shall be developed.

1. The validity of this consent for establishment shall be Co-terminous with validity of Environmental clearance to be obtained.
2. The applicant shall not take expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary licence/clearance from their relevant agencies before taking up construction.

II. WATER CONSUMPTION:

1. The applicant shall use tertiary treated sewage water sources from BWSSB neighboring industries for construction purposes.

2. The source of water during operation phase shall be ground water as permitted under CGWA (482 KLD) letter dated 20.10.2011, and 115 KLD of treated sewage shall be re-cycled.

III. WATER POLLUTION CONTROL:

1. The quantity of sewage shall not exceed 2377 KLD and shall be treated in the sewage treatment plant (10 Nos. STPs) of capacities 31 KLD, 66 KLD, 120 KLD, 274 KLD, 543 KLD, 45 KLD, 77 KLD, 215 KLD, 281 KLD & 725 KLD respectively with the treatment scheme as submitted in the STP proposal to meet the standards stipulated below before utilizing for Urban Reuse viz., landscape irrigation, vehicle washing, toilet flushing building construction use in fire protection and commercial air conditioners.

Sl.No	Parameter	Standards
1	pH	6-9
2	BOD_5, mg/l	≤ 10
3	Turbidity, NTU	≤ 2
4	E.coli	None
5	Res.Cl_2, mg/l	≥ 1

2. If the treatment plant do not achieve the 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.

Senior Environmental Officer (08)

3. All the treatment units shall be made impervious and there shall not be any discharge of sewage outside the premises.

4. The applicant shall provide separate energy meter to liquid waste treatment plant and STP and also shall provide flow meters as per Water Cess Act, 1977. A log book of readings shall be maintained.

5. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.

IV. AIR POLLUTION CONTROL:

1. The type of emissions, rate of emissions, tolerance limits, stack heights and the air pollution control equipment for the air pollution control sources to be installed shall be as specified in **Annexure-I.**

2. The discharge of emissions from the air pollution sources shall pass through the stacks/chimneys mentioned in **Annexure-I** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.

3. The stacks shall have port holes and platforms as per the guidelines specified in **Annexure-II** to facilitate monitoring of emissions.

4. The applicant shall upgrade/modify/replace the control equipments if they are found inadequate to meet the standards stipulated. Prior permission of the Board shall be obtained for the same.

5. The applicant during construction shall ensure that the ambient air quality in is premises shall conform to the National Ambient Air Quality Standards specified in Environment (Protection) Rules, 1986.

6. The applicant shall comply with the Environment (Protection) Third Amendment Rules, 2002

7. The applicant shall provide acoustic measures to the DG Sets as per Sl. No. 94 in Schedule-I of Environment (Protection) Rules.

V. NOISE POLLUTION CONTROL:

1. The applicant shall ensure that the ambient noise levels and ambient air quality within its premises during construction and after construction shall not exceed the limits specified in the Environment (Protection) Rules, i.e. 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.

VI. SOLID WASTE & HAZARDOUS WASTE DISPOSAL:

1. The applicant shall collect, treat and dispose off all solid waste generated during construction i.e. Muck, and Garbage after construction if any in such manner so as not to cause environmental pollution.

2. The applicant shall apply and obtain authorization for management & handling of waste oil under Hazardous Waste (Management & Handling) Rules 1989.

3. The applicant shall convert the garbage into compost by providing in house garbage/organic converter.

Senior Environmental Officer (08)

VII. HEALTH & SAFETY:

1. The applicant shall provide all necessary healthcare facilities to workers and shall carry out routine health survey among workers..

2. The applicant shall provide all safety measures including personal protective equipments to workers during construction.

VIII. GENERAL :

1. The applicant shall adhere to the Zonal Regulations norms of competent authority.

2. The applicant shall comply with the provisions of Water (Prevention and Control of Pollution) Cess Act, 1977.

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

4. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.

5. The applicant shall arrange for alternate power supply to run and operate the essential units of sewage treatment plant, in event of brake down of regular supply from Electricity Board.

6. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.

7. The applicant shall not change or alter (a) No. of flats (b) building 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 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. 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.

10. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operation of STP.

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

12. 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.

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.

Senior Environmental Officer (08)

14. The Guarantee money deposited towards STP and organic converter shall be returned without any interest only after establishment of STP and organic converter and successful operation other-wise the Guarantee money deposited may be subjected to forfeiture.

15. The project authorities shall dispose scientifically Bio-Medical waste and electronic waste to authorized common disposal facility and authorized recycling facilities and CBMWTF.

16. The project authorities shall adopt green building concept.

17. The project authorities shall establish Environmental Cell during operation phase to comprehensively manage environment related issues.

18. Suitable species shall be selected for greenery and minimum three rows of plant shall be planted along the periphery of the site.

Please note that 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 to the completion of construction work of project. Issue of consent will be considered only after completion of Water pollution control measures, solid waste management facilities and installing air pollution control measures.

The receipt of this letter may please be acknowledged.

For and on behalf of
Karnataka State Pollution Control Board

Senior Environmental Officer (08).

Note: *Since the project attracts provisions of EIA Notification issued under the Environment (Protection) Act, 1986, the proponent is advised to obtain Environmental clearance from the competent authority i.e. State/Central Government. No construction work, preliminary or otherwise, relating to the construction of project shall be undertaken till the environmental clearance is obtained from the competent authority.*

ANNEXURE – I

Chim. No.	Chimney attached to	Minimum chimney height to be provided above ground level	Rate of emission NM^3/ day NM^3/Hr.	Consti-tuents to be controlled in the emission	Tolerance limits mg/NM^3	Air pollution Control equipment to be installed, in addition to chimney height as per Col.(3)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.	Remarks
1	2	3	4	5	6	7	8	9
1.	D.G.Set – 100 KVA – 3 Nos.	5 mtrs. ARL. (Individual chimneys)	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
2.	D.G.Set – 125 KVA – 3 Nos.	5 mtrs. ARL. (Individual chimneys)	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
3.	D.G.Set – 200 KVA – 4 Nos.	5 mtrs. ARL. (Individual chimneys)	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
4.	D.G.Set – 250 KVA – 1 No.	5 mtrs. ARL.	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
5.	D.G.Set – 315 KVA – 3 Nos.	6 mtrs. ARL. (Individual chimneys)	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
6.	D.G.Set – 320 KVA – 2 Nos.	6 mtrs. ARL. (Individual chimneys)	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
7.	D.G.Set – 500 KVA – 9 Nos.	7 mtrs. ARL. (Individual chimneys)	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
8.	D.G.Set – 630 KVA – 1 No.	7 mtrs. ARL.	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	
9.	D.G.Set – 500 KVA – 6 Nos.	7 mtrs. ARL. (Individual chimneys)	-	SO_2	-	Chimney height as per Col.3 with acoustic enclosure.	Before commissioning.	

10	DG Set – 1000 KVA-3 Nos.	30 mtrs. AGL (Individual chimneys)	-	NO_x * NMHC** PM *** CO ****	710 100 75 150	Chimney height as per Col. (3) and acoustic measures.	Before commissioning.	-
11	DG Set – 1250 KVA-4 Nos.	30 mtrs. AGL	-	NO_x * NMHC** PM *** CO ****	710 100 75 150	Chimney height as per Col. (3) and acoustic measures.	Before commissioning.	-
12	DG Set – 1500 KVA-4 Nos.	30 mtrs. AGL	-	NO_x * NMHC** PM *** CO ****	710 100 75 150	Chimney height as per Col. (3) and acoustic measures.	Before commissioning.	-

Note:

* (as NO_2) (at 15% O_2) dry basis in ppmv

** (as C) (at 15% O_2), mg/Nm3

*** (at 15% O_2), mg/Nm3

**** (at 15% O_2), mg/Nm3

The noise levels shall not exceed 65 dB(A) leq. and 55 dB(A) leq. during day time and night time respectively.

Senior Environmental Officer (08)

ಹೆಲ್ಪ್‌ಲೈನ್ / Helpline : 080-25582559
ಈಮೇಲ್ / E-mail : contact@kspcb.gov.in
ವೆಬ್‌ಸೈಟ್ / Website : kspcb.karnataka.gov.in

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Karnataka

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080-25589113, 25589114

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Karnataka State Polution Control Board

"ಪರಿಸರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು–560001, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ
"Parisara Bhavan", 1st to 5th Floor, # 49, Church Street, Bangalore - 560 001, Karnataka State, India

BCV Developers-Brigade Orchards

No PCB/76/INFRA/11/ 6806 **Date:** 07 JAN 2023

ADDENDUM

To
The Authorized Signatory,
BCV Developers Private Limited,
Regd. Office: 29th Floor,
World Trade Center,
Brigade Gateway Campus,
26/1, Dr. Rajkumar Road,
Malleshwaram-Rajajinagar,
Bengaluru – 560 055.

Sir,

Subject:
Addendum to Consent for Establishment in respect of your Township Development "Brigade Orchards – regarding.

Reference:
1. CFE No. PCB/76/CNP/11/H-1388 dated 16.03.2012.
2. E.C. No.SEIAA:22:CON:2011 dated 08.05.2012.
3. Extension of validity of E.C. No.SEIAA 22 CON 2011 dated 10.10.2019.
4. E.C. Corrigendum No.SEIAA 22 CON 2011 dated 18.06.2022.
5. Your request letter dated 08.08.2022.

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Preamble:

BCV Developers Private Limited have obtained Consent for Establishment issued by the Board Office on 16.03.2012 to develop Integrated township and Commercial Complex comprising of Residential Villas – 102 Nos., Town Houses 185, LIG Houses-651 Nos., MIG Houses -2,248 Nos. HIG Houses, 1005 Nos. and Office cum Retail in 2 Blocks, with total built up area of 6,29,259 SQM. in an extent of 112 Acres at Sy. No. 30/1, 33, 35/1, 35/3, 35/4, 36, 37/2, 38/2 & 39 of Rayasandra Village and Sy. No. 368/1, 368/2, 368/3, 371/1, 371/2, 372, 376/4, 397, 413/1 & 413/2 of Devanahalli Village, Devanahalli Taluk, Bengaluru Rural District.

They have obtained Environmental Clearance on 08.05.2012, further, they have obtained extension of validity of Environmental Clearance on 10.10.2019 extended for a period of three years i.e., 07.05.2022. They have also obtained Corrigendum to Environmental Clearance, on 18.06.2022 for total built up area of 6,05,994.23 SQM, development of township consisting of residential Dwelling Units with 2,682 Nos, and Office cum Retail in 2 Blocks, Club House, School for 2000 students and Medical care Center with 50 Nos. of beds.

Senior Environmental Officer.

...2/P

Now, the applicant has submitted a letter dated 08.08.2022 respectively to issue Addend um to the effect of modifying the project profile in line with modification to Environmental Clearnace which is infact downsizing the components. Hence the following order.

ORDER

Sl. No.	Description.	Mentioned in CFE issued vide No.PCB/76/CNP/11/H-1388 dated 16.03.2012.	**Shall be replaced and read as**
1.	Activity.	Township development consisting of 4,191 Nos. (Villas-102 Nos., Town Houses – 185 Nos., LIG Houses – 651 Nos., MIG Houses – 2,248 Nos. HIG Houses – 1,005 Nos. and Office cum Retail in 2 Blocks) and Club House.	**Township development consisting of Residential Dwellings Units with 2,682 Nos. and Office cum Retail in 2 Blocks, Club House and Medical Care Center with 50 Nos., of Beds.**
2.	Survey Numbers.	Sy. No. 30/1, 33, 35/1, 35/3, 35/4, 36, 37/2, 38/2 & 39 of Rayasandra Village and Sy. No. 368/1, 368/2, 368/3, 371/1, 371/2, 372, 376/4, 397, 413/1 & 413/2 of Devanahalli Village, Devanahalli Taluk, Bengaluru Rural District.	Sy. No. 30/3, 33, 35/1, 35/2, 35/3, 35/4, 35/5, 36, 37/2, 38/2 & 39 of Rayasandra Village and Sy. No. 368/1P, 368/2, 368/3, 369/1, 371/1, 371/2, 372P, 376/4 & 397 of Devanahalli Village, Devanahalli Taluk, Bengaluru Rural District.
4.	Total Built up area.	6,29,259 Sqm.	**6,05,994.23 Sqm.**
5.	Water consumption.	2,971 KLD.	**2,099 KLD.**
6.	Waste water generation.	2,377 KLD.	**1,826 KLD.**
7.	STP capacity.	**Total capacity: 2,377 KLD** 1x45 KLD, 1x66 KLD, 1x77 KLD, 1x120 KLD, 1x215 KLD 1x274 KLD, 1x281 KLD, 1x543 KLD, 1x725 KLD.	**Total capacity: 2,102 KLD** 1x50 KLD, 3x60 KLD, 1x80 KLD, 1x100 KLD, 1x117 KLD 2x150 KLD, 2x200 KLD, 1x250 KLD, 1x260 KLD, 1x325 KLD & ETP of 1x40 KLD for Medical Care Center.
8.	Validity	Co-terminus with the validity Environmental Clearance.	

Senior Environmental Officer.

...3/P

Additional conditions:

1. **DANGER** sign board near the STP shall be installed to maintain safety of the personnel involved in its operation and maintenance. Proper signage shall be displayed in both Kannada and English languages near the taps that discharge treated sewage as non potable water. Access to STPs shall be given to authorized persons only with issue of necessary permits.
2. The applicant shall make use of the Mechanical Cleaning Equipment's to clean the STPs, instead of resorting to manual cleaning by contacting the Urban Local Body or any other authorized private agency in this regard for making use of Sucking & Jetting Machines. Necessary protective equipments, safety gadgets, lifesaving oxygen supply shall be made available at the STP at all times. Precaution shall be taken to avoid any personnel coming in contact with Methane Gas generated. Necessary protective equipment with prescribed calibration shall be made available at all times.
3. The services of qualified Environmental Engineer or Scientist shall be availed for the management of environmental aspects such as STP operation & cleaning, municipal solid waste management, domestic hazardous waste management, etc. The STP operators shall be rained & certified by a reputed organization such as Environmental Management Policy Research Institute. The STP shall be located 30 m away from the periphery of the Water Bodies such as lakes, tanks etc., and 50 m. 25 m, 15 m away from the central line of the primary, secondary, Tertiary Rajakaluve respectively.
4. Biomedical waste shall be handled & disposed as per the provisions of Biomedical Waste Management Rules, 2016.
5. Used sanitary napkins shall be stored and disposed scientifically as per prevailing law.
6. Plastic waste shall be handled & disposed as per provisions of Plastic Waste Management Plastic waste h(Amendment) Rules, 2021.
7. E waste shall be managed & disposed as per E-Waste (Management) Rules, 2016.
8. The prospective buyers shall be notified about existing surrounding schedule of the property.
9. The applicant shall earmark buffer distance as per the bylaws of the local planning authority.
10. The applicant shall submit Half Yearly Consent Conditions Compliance Report to the Regional & Board Office as per schedule mentioned here in April to September months to be submitted before 31"October, while October to March to be submitted before 30th April.
11. The Board reserves the right to withdraw the consent if non compliances to conditions stipulated are observed.

All other conditions mentioned in the CFE dated 16.03.2012 remains same and unchanged. The receipt of this letter shall be acknowledged.

For and on behalf of
Karnataka State Pollution Control Board
Sd/-
Member Secretary.

Senior Environmental Officer.