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19 MAR 2018

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## ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ Karnataka State Pollution Control Board

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

HD Reg No. 138099 dated 10.11.2017  
Sakala No. PB0CM0000008942

KIADB - Harohalli

/BY REGD. POST WITH ACK. DUE /  
(This document contains 06 pages)

NO. PCB/567/CNP/17/

OB-1232

Date 19 MAR 2018

To  
The Development Officer & Executive Engineer – I,  
M/s. Karnataka Industrial Area Development Board  
Maharshi Aravinda Bhavan,  
14/3, 1<sup>st</sup> Floor, Nrupathunga Road,  
Bengaluru – 560 009.

Sir,

Sub: Consent for Establishment (CFE) to develop Industrial Area with total built up area of 904.86 Ha. (Phase – II – 371.92 Ha. & Phase – III – 532.94 Ha) located at Various Sy. Nos. of Harohalli, Medamaranahalli, Hulugondanahalli, Bannikuppe, Devarakaggalahalli, Jakkasandra Cheeluru Villages of Harohalli Hobli, Kanakapura Taluk, Ramanagara District by M/s. Karnataka Industrial Areas Development Board.

- Ref: 1. CFE applications received at Regional Office, KSPCB, Ramnagara on 10.11.2017.  
2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, Ramnagara on 04.12.2017 & 16.12.2017.  
3. EC No. F. No. 21-142/2015-IA.III dated 21.09.2017.  
4. Proceedings of the Consent Committee Meeting held on 29.01.2018.



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, to develop Industrial Area with total built up area of 904.86 Ha. (Phase – II – 371.92 Ha. & Phase – III – 532.94 Ha) located at Various Sy. Nos. of Harohalli, Medamaranahalli, Hulugondanahalli, Bannikuppe, Devarakaggalahalli, Jakkasandra Cheeluru Villages of Harohalli Hobli, Kanakapura Taluk, Ramanagara District, subject to the following conditions

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

- a) 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.
- b) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise pollution in the surrounding.
- c) The applicant shall obtain Consent for Operation (CFO) from the Board before handing over to residents Association.
- d) This CFE is issued only from the point of water pollution control and does not have any relevance over land dispute, any pending cases with any Departments/Hon'ble Courts.
- e) Sewage Treatment Plant (STP) and solid waste processing facility (for Organic) shall be provided and operated satisfactorily by the project proponent himself before it is handed over to Association/Company.
- f) **The project proponent shall strictly adhere to the conditions stipulated in the Environmental clearance (EC) issued from the State Level Environment Impact Assessment Authority-Karnataka vide No. F. No. 21-142/2015-IA.III dated 21.09.2017.**
- g) **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.**
- h) The applicant shall submit final approved plan from competent authority to the Board before taking up any construction activities.

**II. WATER CONSUMPTION:**

1. The water consumption for the above project activity shall not exceed **11360 KLD**. The applicant shall not draw water from borewell without permission of CGWA.

**III. WATER POLLUTION CONTROL:**

1. The total quantity of sewage shall not exceed **1026 KLD** and shall be treated in the sewage treatment plant of capacity **1200 KLD** 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, use in 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 and the location of the STP should be above ground level & should be easily accessible to the inspecting officer.

  
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Sl. No	Parameter	Parameters Limit.
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.	NH4-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

2. Applicant shall add appropriate disinfectant to treated sewage to ensure some residual chlorine preferably in the range of 1 mg/l. to 3 mg/l.
3. 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.
4. All the treatment units shall be made impervious and there shall not be any discharge of sewage outside the premises.
5. Separate energy meter shall be provided to STP's also flow meters and a log book on reading of energy meter and flow meters shall be maintained.
6. The applicant shall adhere to the CFE/CFO conditions even after handing over Layout/Plots to individual persons.
7. The applicant shall earmark place for CETP & take steps for CETP for treating trade effluent.

#### IV. AIR POLLUTION CONTROL:

1. There shall not be any air pollution sources without prior approval from the Board.
2. The applicant shall provide dust suppression systems with water sprinkling system during construction period.
3. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other secondary purposes

#### 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., the noise level from the noise generating equipments viz., DG sets, AC units etc., shall not exceed 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

  
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## VI. SOLID WASTE DISPOSAL & 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 & other Waste (Management & Transboundary Movement) Rules, 2016.
3. The applicant shall earmark sufficient place for segregation and processing and convert the bio-degradable solid waste generated from unit into compost within their premises with scientific method.
4. **The applicant shall strictly follow the Government Notification No. FEE 17 EPC 2012 Bangalore dated 11.03.2016 with regard to plastics ban.**
5. **The applicant shall strictly follow Construction & Demolition Waste Management Rules, 2016. The applicant shall comply with the following conditions stipulated by MoEF & CC, GoI Notification No. G.S.R. 94 (E) dated 25.01.2018.**
  - (a) No building or infrastructure project requiring Environmental Clearance shall be implemented without approved Environmental Management plan inclusive of dust mitigation measures.
  - (b) Roads leading to or at construction sites must be paved & blacktopped (ie., metallic roads).
  - (c) No excavation of soil shall be carried out without adequate dust mitigation measures in place.
  - (d) No loose soil or sand or Construction & Demolition waste or any other construction material that causes dust shall be left uncovered.
  - (e) Wind – breaker of appropriate height i.e., 1/3<sup>rd</sup> of the building height & maximum up to 10m shall be provided.
  - (f) Water sprinkling system shall be put in place.
  - (g) Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
  - (h) Grinding & cutting of building materials in open area shall be prohibited.
  - (I) Construction material & waste should be stored only within earmarked area & road side storage of construction material & waste shall be prohibited.
  - (j) No uncovered vehicles carrying construction material & waste shall be permitted.

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(k) Construction & Demolition waste processing & disposal site shall be identified & required dust mitigation measures be notified at the site.

#### **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 maintain natural nallah and other such features as in the revenue survey map and adopt zonal regulations of the concerned Planning Authorities.
2. The applicant must create structure/facility for rain water harvesting and ground water recharge.
4. The applicant shall provide dual piping system in the layout in order to use the treated sewage for toilet flushing, gardening and other secondary purposes.
5. 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 from Electricity Board.
6. 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
7. 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.
8. The applicant shall make provisions for wooded Buffer zone all along the periphery of the layout.
9. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
10. 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.
11. 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.
12. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.

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13. This consent for establishment is valid for **Five years** from the date of issue for completion of all construction operations.
14. 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.
15. The project authorities shall dispose scientifically 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.
16. 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.
17. 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.
18. The CFE is issued without prejudice to the Court case pending in any Hon'ble Court.
19. The EC only permitted industries to be allowed in the industrial area.

Please note that separate consent of the Board for discharge of liquid effluent shall have to 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.

The receipt of this letter may please be acknowledged.

For and on behalf of  
Karnataka State Pollution Control Board

  
SENIOR ENVIRONMENTAL OFFICER.