



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. 129333 dated 25.05.2017
Sakala No. PB0CM0000007857

KIADB - Bidadi

NO. PCB/113/CNP/17/

100-876
/ BY REGD. POST WITH ACK. DUE /

DATE: 21 DEC 2017

(THIS ORDER CONTAINS 07 PAGES INCLUDING 14 PAGES OF ANNEXURE-I)

To
The Development Officer – I &
Executive Engineer,
Karnataka Industrial Area Development Board (KIADB),
KIADB Zonal Office, Arvind Bhavan,
2nd Floor, NT Road,
Bengaluru – 560 001.

Sir,

Sub: Consent for establishment to development of Industrial Area with total area of 636.44 Acres (Sector I – 183.13 Acres & Sector II – 453.31 Acres) located at Bidadi Industrial Area, Phase – II, Sector I & II, Bidadi Ramanagar Taluk and District by **M/s. Karnataka Industrial Area Development Board**.

- Ref: 1. Application for consent for establishment received at Regional Office, KSPCB, **Ramanagar** on 25.05.2017.
2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, **Ramanagar** on 21.11.2016 & 25.05.2017.
3. E.C. issued vide No. SEIAA:23:IND:2012 dated 23.09.2013.
4. The proceedings of Technical Presentation held on 19.06.2017.
5. Project Proponent vide No. 660 dated 13.07.2017.
6. Proceedings of the consent committee meeting held on 30.11.2017.



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 development of **Industrial Area with total area of 636.44 Acres (Sector I – 183.13 Acres & Sector II – 453.31 Acres)** located at Bidadi Industrial Area, Phase – II, Sector I & II, Bidadi Ramanagar Taluk and District, subject to the following conditions.

- 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.

(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER

- 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 project proponent shall strictly adhere to the conditions stipulated in the Environmental clearance issued from the MoEF & CC, Government of India, vide No. F.No. 21-67/2012-IA.III dated 21.07.2015.**
 - e) **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 or as per any plan sanctioning authority.**
 - f) **The applicant shall submit final approved plan from competent authority to the Board before taking up any construction activities.**
 - g) **The applicant shall seek extension through a letter 45 days in advance of the expiry of validity period of CFE/CFExpn order with proper reasons for seeking such extension if required.**
 - h) **The applicant to maintain 5 rows of plantation along the boundaries of the industrial area and to see that only green category industries are allotted towards the adjoining village limits.**
 - i) **The applicant shall not discharge any kind of effluent into the tanks or to any water bodies.**
1. This consent for establishment shall be valid for a period of Five years from the date of issue of this Order.
 2. **The applicant shall maintain natural nallah and other such feature as in the Revenue Survey map.**
 3. The applicant shall not take expansion/diversification without the prior consent of the Board.
 4. The applicant shall obtain necessary licence/clearance from their relevant agencies before taking up construction.
 5. KIADB authorities shall earmark a dedicated area for common facilities like CETP and CSTP, common solid waste treatment and Hazardous waste management.
 6. The applicant shall maintain utilities including STP for a minimum period of five years.
 7. The applicant shall use treated sewage for secondary purposes including construction.
 8. This CFE is issued only from the point of water pollution control only and does not have any relevance over land dispute, any pending cases with any Departments/Hon'ble Courts.


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9. Common Sewage Treatment Plant (CSTP) 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.

II. WATER CONSUMPTION:

1. The water consumption shall not exceed **1265 KLD** for Industrial purpose & shall not exceed 225 KLD for domestic purpose.
2. No ground water is to be drawn without permission from the Central/State Ground Water Authority.

III. WATER POLLUTION CONTROL:

1. The quantity of waste water generation shall not exceed **890 KLD** for industrial use & shall not exceed 180 KLD from domestic use.
2. The applicant shall install common sewage treatment (CSTP) of capacity **180 KLD** and Common Effluent treatment plant (CETP) of capacity **1 MLD** for treatment of waste water generation from the proposed industrial layout.
3. The applicant shall submit the complete design details of the CETP along with treatment schemes and obtain prior approval from the Board before installation of the same to meet the standards stipulated by the Board regarding process effluents before utilizing for urban reuse viz. landscape irrigation, vehicle washing, toilet flushing, use in fire protection and commercial air conditioners.
4. The applicant shall treat the sewage to meet the following standards stipulated below before utilization for secondary purposes.

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	

5. Applicant shall add appropriate disinfectant to the treated sewage to ensure some residual chlorine preferably in the range of 1 mg/l. to 3 mg/l.
6. The applicant shall treat pretreated waste water from individual units in their 2.0 MLD CETP.
7. The secondary and tertiary treated waste water will be supplied to industries for cooling, flushing & gardening.
8. If the treatment plant do not achieve the effluent standards stipulated 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.

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9. All the treatment units shall be made impervious and there shall not be any discharge of sewage outside the premises.
10. The applicant shall provide separate energy meter to liquid waste treatment plant and STP and also shall provide flow meters. A log book of readings shall be maintained.
11. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.
12. The applicant shall dispose excess treated sewage i.e. left after using for secondary purposes. The applicant shall maintain log book and vehicle details in this regard.

IV. AIR POLLUTION CONTROL:

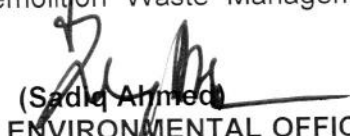
1. The applicant during construction shall ensure that the Ambient Air Quality in its premises shall conform to the National Ambient Air Quality Standards specified in Environment (Protection) Rules.
2. The applicant shall provide acoustic measures to the DG Sets as per SI. No. 94 in Schedule-I of Environment (Protection) Rules.
3. The applicant shall provide dust suppression systems with water sprinkling system during construction period.

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. 75 dB(A) Leq during day time and 70 dB(A) Leq during night time during and after construction.

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 & 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.

(Said Ahmed)

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6. The applicant shall earmark minimum of 5 acres and maximum of 25 acres of land for the purpose of establishing CETP, Hazardous Waste and Municipal Solid waste collection centers in the industrial area.

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 industrial units in the industrial area and the associated facilities shall be strictly in accordance with the norms laid down by the Karnataka State Government and Board.**
3. The existing water body, canals and rajakaluve and other drainage and water bound structures if any shall be retained unaltered with due buffer zone as applicable and maintained under tree cover.
4. The natural sloping pattern of the project site other than the area excavated for the purpose of construction of proposed building shall remain unaltered and the natural hydrology of the area be maintained as it is to ensure natural flow of storm water.
5. Lakes and other water bodies within and/or at the vicinity of the project area shall be protected and conserved.
6. The project Authority shall allow only the Orange and Green category industries and strictly as proposed in the layout plan.
7. The solid waste generated should be properly collected and segregated Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling, after recovering recyclable material.
8. The project proponent shall ensure development of a minimum of 33% of the project area which shall include the buffer zone and green belt developed by individual industries. The project authority may undertake compensatory green belt development through avenue plantation in the adjoin roads and in the civic amenity area if there is any shortfall within the project site in the unavoidable circumstances.
9. The provision of Energy Conservation Building code, 2006 shall be fully complied with.
10. The project authority shall ensure that no water bodies are polluted due to project activities and the nala/water bodies if any within the project areas are well protected with sufficient buffer.

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11. 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.
12. The authorities should include the condition while issuing plots to the prospective individual industries that they should develop greenbelt of 33% of the plot area allotted for them.
13. The project proponent shall ensure that the greenery of the area is maintained. Further 33% of the project area shall be dedicated for green belt development. The local Forest Department shall be associated for this purpose and requisite budget earmarked.
14. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
15. The project authorities shall bifurcate the industrial plots and residential plots with a thick and tall vegetative barrier green belt.
16. The project authority shall incorporate a condition in the prospective lease/sale deed/Agreement with individual industries that they also shall abide by the conditions of this E.C.
17. The applicant must create structure/storage facility for rain water harvesting and ground water recharge.
18. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.
19. 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.
20. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
21. The applicant shall not change or alter (a) building plan (b) the quality, quantity or rate of discharge/ emissions and (c) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
22. 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.
23. 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.


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24. 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.
25. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
26. 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.
27. The application shall adopt Eco-sanitation system in the project.
28. 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.
29. 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.
30. The project authorities shall adopt green building concept.
31. The project authorities shall establish Environmental Cell during operation phase to comprehensively manage environment related issues.
32. Suitable local tree species shall be selected for greenery and minimum three rows of plant saplings shall be planted all-along the periphery of the site.
33. The CFE is issued without prejudice to the Court case pending in any Hon'ble Court.

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

