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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  
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KIADB-DHARWAD  
NO. PCB/295/CNP/15/

Reg. No. 102801

DATE: 16 AUG 2016

08-515  
/ BY REGD. POST WITH ACK. DUE /

(THIS ORDER CONTAINS 08 PAGES)

To  
The Development Officer & Executive Engineer,  
Karnataka Industrial Area Development Board,  
KIADB Zonal Office,  
Lakkammanahalli Industrial Area,  
Poona-Bangalore Road,  
DHARWAD.

STP  
DESPATCHED

Sir,

Sub: Consent for establishment to develop Industrial Area to development of I.T/B.T Park in extent of 510 Acres 03 Guntas at Sy. No. 62/2, 63, 66, 67/1, 67/2, 67/3, 67/4, 67/5, 67/6, 67/7 of Tarihala Village and Sy. No. 207, 209/1A, 209/1B, 209/2B, 209/2K, 209/3, 211/8, 211/9, 211/10, 221/1A/1, 221/1A/2, 221/1A/3, 221/1B, 221/1K, 221/1D, 221/2, 222/1, 222/2A, 222/2B, 222/2K, 222/2D, 222/3, 2, 208 of Gammangatti Village, Hubli, Taluk, Dharwad District by M/s Karnataka Industrial Area Development Board.

- Ref: 1. Application for consent for establishment received at Regional Office, KSPCB, Dharwad on 07.12.2015.  
2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, Dharwad on 29.12.2015.  
3. E.C. issued vide No. SEIAA 26 CON 2012 dated 23.09.2013.  
4. Proceedings of the consent committee meeting held on 21.06.2016.  
5. Hon'ble NGT Order dated 04.05.2016 in respect of OA 222/2014.

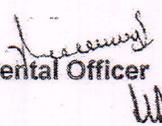
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With reference to the above, it is to be informed that this Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974 to develop Industrial Area to development of I.T/B.T Park in extent of 510 Acres 03 Guntas at Sy. No. 62/2, 63, 66, 67/1, 67/2, 67/3, 67/4, 67/5, 67/6, 67/7 of Tarihala Village and Sy. No. 207, 209/1A, 209/1B, 209/2B, 209/2K, 209/3, 211/8, 211/9, 211/10, 221/1A/1, 221/1A/2, 221/1A/3, 221/1B, 221/1K, 221/1D, 221/2, 222/1, 222/2A, 222/2B, 222/2K, 222/2D, 222/3, 2, 208 of Gammangatti Village, Hubli, Taluk, Dharwad District by M/s Karnataka Industrial Area Development Board, subject to the following conditions.

Senior Environmental Officer

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

- a) Out of 206.39 Ha (510 Acres 03 Guntas), 123.83 Ha area is for production blocks of industrial, Admin buildings and auxiliary units, 61.92 ha. Area is for amenities, utility, parks, residential parking & roads and 20.64 ha area is for buffer of 15 m (greenbelt).
  - b) 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.
  - c) 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.
  - d) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise pollution in the surrounding.
  - e) The project proponent shall strictly adhere to the conditions stipulated in the Environmental clearance issued from the State Level Environment Impact Assessment Authority-Karnataka vide No. SEIAA 26 CON 2012 dated 23.09.2013.
  - f) The project proponent shall strictly adhere to the directions issued in the Judgement given by Hon'ble National Green Tribunal with respect to OA 222 of-2014 dated 04.05.2016.
  - g) The applicant shall leave clear buffer zone towards any lake and Nala as per NGT Order dated 04.05.2016 in respect of OA 222/2014.
  - h) The applicant shall submit final approved plan from competent authority to the Board before taking up any construction activities.
  - i) The applicant shall seek extension through a letter 45 days in advance of the of validly period of CFE/CFExpn order with proper reasons for seeking such extension if required.
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 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.
  4. The applicant shall obtain NOC from the Board before handing over of apartment to residents Association.

  
Senior Environmental Officer

5. The applicant shall maintain utilities including STP for a minimum period of five years.
6. The applicant shall use treated sewage for secondary purposes including construction.
7. 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.
8. 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.

## II. WATER CONSUMPTION:

1. The project authorities shall use BWSSB tertiary treated water for construction works.
2. The total water requirement for the industrial area is 3500 KLD (Domestic : 250 KLD + Industrial : 1550 KLD + Gardening: 1700 KLD) will be met from Malaprabha river.

## III. WATER POLLUTION CONTROL:

1. The total waste water generated is 1300 KLD (Domestic effluent : 200 KLD + Industrial effluent : 1100 KLD). Domestic waste water will be treated in CSTP and Industrial effluent will be treated in CETP. The common sewage treatment plant (STP) of capacity 500 KLD and 1100 KLD Common ETP 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. STP shall be constructed on modular basis to cater to phase-wise development.

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.

*[Handwritten Signature]*

4. All the treatment units shall be made impervious and there shall not be any discharge of sewage outside the premises.
5. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. Sufficient number of toilets/bathrooms shall be provided with required mobile toilets, mobile STP for construction work force.
6. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
7. No ground water is to be drawn without permission from the Central/State Ground water Authority.
8. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
9. 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.
10. The applicant should make provisions for dual piping system to use the treated sewage water for toilet-flushing, gardening and other purposes.
11. The applicant shall dispose excess treated sewage i.e. left after using for secondary purposes, to authorized BWSSB transporters for discharge into nearby BWSSB STP. 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 Sl. 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. 55 dB(A) Leq during day time and 45 dB(A) Leq during night time during and after construction.

  
Senior Environmental Officer

2. The applicant shall maintain the ambient noise standards as prescribed below during construction and after construction.

Category of Area/Zone	Limits in dB(A) Leq.	
	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

#### VI. SOLID WASTE & HAZARDOUS WASTE DISPOSAL:

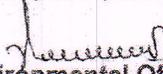
1. The applicant shall collect, treat and dispose off all solid waste generated during construction i.e. Muck, and Garbage after construction if any in such manner so as not to cause environmental pollution.
2. The applicant shall apply and obtain authorization for management & handling of waste oil 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.

#### 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 maintain natural nallah and other such feature as in the Revenue Survey map.
3. The provision of Energy Conservation Building code, 2006 shall be fully complied with.

  
Senior Environmental Officer

4. 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.
5. 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.
6. 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.
7. The project authorities shall strictly adhere to the commitments made in the letter No. IADB/JDTP/EC/90/3476/2013-14 dated 04.06.2013 with regard to establishment of STP/CETP, buffer zone, green belt, conditions to be incorporated in the lease document while allotting plots to individual industries, environment safety aspects etc,
8. 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.
9. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
10. The project authorities shall bifurcate the industrial plots and residential plots with a thick and tall vegetative barrier green belt.
11. 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.
12. The applicant shall comply with the provisions of Water (Prevention and Control of Pollution) Cess Act, 1977.
13. The applicant must create structure/storage facility for rain water harvesting and ground water recharge.
14. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.
15. 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.
16. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.

  
Senior Environmental Officer

17. 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.
18. 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.
19. 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.
20. 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.
21. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
22. 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.
23. The application shall adopt Eco-sanitation system in the project.
24. 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.
25. 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.
26. The project authorities shall adopt green building concept.
27. The project authorities shall establish Environmental Cell during operation phase to comprehensively manage environment related issues.
28. 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.
29. The CFE is issued without prejudice to the Court case pending in any Hon'ble Court.

*J. Srinivas*  
Senior Environmental Officer  
*ll*

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.

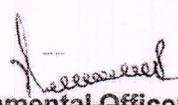
The receipt of this letter may please be acknowledged.

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

Senior Environmental Officer

**COPY TO:**

1. The Environmental Officer, KSPCB, Regional Office, Dharwad for information. He is directed to inspect the site and submit quarterly compliance report.
2. Master copy (CFE-Cell).
3. Master copy (Dispatch).
4. Office copy.

  
Senior Environmental Officer

