

KARNATAKA STATE POLLUTION CONTROL BOARD

PROCEEDINGS OF THE SUB-COMMITTEE MEETING OF THE TECHNICAL ADVISORY COMMITTEE OF KSPCB HELD ON 02.03.2015 IN THE BOARD MEETING HALL, 3rd FLOOR, "PARISARA BHAVANA", CHURCH STREET, BANGALORE – 560 001.

Members Present:

1.	Dr. H.N.Chanakya, Scientist, Centre for Sustainable Technology, Indian Institute of Science (IISc), Bangalore – 560 012.	Member
2.	Dr. B.S.Jai Prakash, Vice President, Academy of Certified Hazardous Material Managers – India Chapter, Bangalore Institute of Technology, K.R. Road, Bangalore.	Member (Invitee)
3.	Dr. Jayateerth R.Mudakavi, Principal Research Scientist, Department of Chemical Engineering, Indian Institute of Science (IISc), Bangalore.	Member (Invitee)
4.	Sri. S.Nanda Kumar, Chief Environmental Officer-1, Karnataka State Pollution Control Board, Bangalore.	Member Convener

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ITEM NO: 01

Proposal for change in product mix i.e., proposal for to delete one approved product and add six additional products at Plot No.94(P), 103 & 104, Pharmaceutical SEZ, KIADB Industrial Area, Hassan by **M/s. Kumar Organics Limited.**

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The subject was discussed in the 378th TAC meeting held on 02.12.2014. The committee was not convinced with the presentation made by the project proponent as the technical inputs were not adequate. They have not included the compliance to the existing CFE and CFO conditions, complete details of manufacturing process, synthesis, material balance, substantiation for claim on no increase in pollution load and comprehensive EMP. Hence, it was resolved that, the industry be called for a presentation before the sub-committee of TAC comprising of Dr.B.S.Jayprakash, Dr.H.N.Chankya and Dr. Jayateerth R.Mudakavi at an early date. Accordingly, the sub-committee meeting was held on 12.12.2014, wherein the project proponent was informed to come back with the revised proposal as the information furnished by them was inconsistent and inadequate for some of the new products.

The proponent again appeared before the committee on 02.03.2015 and made the presentation. After detailed discussions and taking into consideration the information furnished, the committee is of the opinion that the manufacture of biotech products viz., Kopuron – 6T/year or Kopulan 9 T/year attracts EIA Notification dated 14.09.2006 and require Environmental Clearance. Industry may be advised to obtain EC.

Further, the project proponent was informed;

- 1) To furnish details of all Reaction conditions.
- 2) To furnish mode of handling and disposal and possible recovery of Aluminium Chloride catalyst. Alternatively, solid acid catalyst to be used in place of Aluminium Chloride.
- 3) Hydrogenation using iron catalyst to be replaced by Platinum/carbon.
- 4) To replace Ethylene Di Chloride (EDC) with safer solvent.
- 5) Background information about the nativity and environment safety about the product Kopuron and Kopulan shall be submitted.
- 6) Anaerobic digestion and biological treatment of HTDS effluent as well as fugitive antibacterial agent is not desirable. Therefore biological treatment of effluent is best avoided. Alternative method of treatment may be considered and proposals shall be submitted accordingly.
- 7) Two stage solvent stripper before MEE is required to be provided in order to strip the VOCs effectively before subjected to MEE.
- 8) Explore the possibility of Zeolite as catalyst in acid catalyzed reactions in place of mineral acids
- 9) Species of Bacterial and yeast destruction agents need necessary clearance from relevant agencies. The industry was advised to obtain the same.

Board may consider the issue of CFE, on receipt of related information in respect of the other products.

Approved electronically

(DR. H.N.CHANAKYA)
MEMBER, TAC.

(DR. B.S.JAI PRAKASH)
MEMBER, TAC.

(DR. JAYATEERTH R.MUDAKAVI)
MEMBER, TAC.



S.NANDA KUMAR
CHIEF ENVIRONMENTAL OFFICER-1
MEMBER CONVENER, TAC.
KARNATKA STATE POLLUTION CONTROL BOARD

Copy to:

- 1) PA to Chairman, KSPCB, for information.
- 2) PA to Member Secretary, KSPCB, for information.
- 3) SEO, 17 Category, KSPCB, for information.
- 4) EO, E-Governance Cell, KSPCB, for information.