To

The Commissioner-cum-Secretary to Govt.,
F & ARD Department,
Govt. of Orissa, Bhubaneswar.

Sub: Guideline for prevention and control of pollution in poultry units of Orissa.

Ref: This office letter No.32282 dtd.31.10.2005.

Sirs:

In inviting a reference to above, this is to inform you that the draft guideline for prevention and control of pollution in poultry units was placed before 88th meeting of State Pollution Control Board held on 9.11.2005 (Proceedings enclosed). The draft guideline was approved by the Board with the following additional measures:

i) Adequate provision for quarantine measures.
ii) Providing green cover wherever possible.
iii) Exploring the possibility of disposing of the waste through bio-technological intervention.

The revised guideline is forwarded herewith for your kind information with a request to instruct the Directorate of Animal Husbandry and Veterinary Services for implementation.

Yours faithfully,

[Signature]

Member Secretary.

Memo No. 50 (3) dtd. 2-1-06

Copy along with guideline forwarded to Director, Animal Husbandry and Veterinary Services, Orissa, Cuttack/ Director cum Special Secretary (Environment), Forest & Environment Department, Govt. of Orissa for information & necessary action.

Encl. As above.

Memo No. 51 dtd. 2-1-06

Copy along with guideline forwarded to P.S. to Chairman, State Pollution Control Board, Bhubaneswar for information of Chairman.

Encl. As above.

Memo No. 52 (3) dtd. 2-1-06

Copy along with guideline forwarded to All Regional Officers/All Branch Officers/Law Officer, State Pollution Control Board, Bhubaneswar for information & necessary action.

Encl. As above.
Draft Guidelines For Prevention & Control Of Pollution In Poultry Units

In the following guidelines, the term "Poultry Unit" refers to hatcheries, layers, broilers involving chicken, duck, goose etc.

Unless appropriate safeguards are taken, large poultry units have the potential of adverse environmental effects in terms of waste disposal, generation of wastewater containing high nutrients that could be detrimental to water bodies etc.

In the above background the following guidelines are recommended for prevention and control of pollution in the poultry units.

1. Poultry units shall clean litters at minimum possible interval (at least once in one month for hatcheries and broiler unit and once in a year in case of layers) to prevent odour nuisance in the surrounding area.

   The litter shall be disposed off in environmental friendly manner (e.g. in composting pits) without causing public nuisance.

2. Necessary precautionary measures shall be taken to prevent wind borne dispersion of feathers/fibrous materials to the surrounding area.

3. Wastewater generated shall be contained in settling tanks and discharged to soak pits inside the premises. No wastewater shall be
Discharged outside the premises or discharged to nearby land water body.

4. Dead birds should be disposed off in deep burial pits inside the premises in the following manner.
   (i) A pit or trench should be dug about 2 meters deep.
   (ii) On each occasion, when dead birds/ wastes are added to the pit, a layer of 10 cm of soil shall be added to cover the wastes.
   (iii) When the pit is half filled with waste, then it should be covered with lime within 50 cm of the surface, before filling the rest of the pit with soil.
   (iv) It must be ensured that animals (e.g. stray dogs) do not have any access to burial sites. Covers of galvanized iron/wire meshes may be used.
   (v) The deep burial site should be relatively impermeable and no shallow well should be close to the site.
   (vi) The pit should be away from habitation, and sited such that contamination of any surface water or groundwater does not occur.

5. Poultry farms/hatcheries having capacity of more that 50,000 birds should install properly designed incinerators along with other pollution control measures.

6. Poultry farms/hatcheries where the birds are reared/kept for experiment or testing purpose are required to obtain authorization from the State Pollution Control Board under the provision of Biomedical Waste (Management & Handling) Rules, 1998.
Large commercial poultry units (20,000 or more birds) should be located away from human habitation.

8. Wastewater and solid waste generated from the broiler slaughtering units located inside NAC/Municipality/Municipal corporations shall be disposed off without causing environmental problem and public nuisance. This shall be regulated through concerned Urban Local Body.

9. Adequate provision for quarantine measures.

10. Providing green cover wherever possible.

11. Exploring the possibility of disposing of the wastes through biotechnological intervention.