

## **Factors determining the dissolved oxygen requirement during live fish transportation**

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- The oxygen requirement of fish is found to be decreased with the increase in age and weight.
- Amount of dissolved oxygen is decreased and fish metabolism is increased with the increase in temperature.
- Rapid and remarkable increase in oxygen requirement is found just after feed consumption by the fishes.
- The oxygen requirement of fish is increased with the increase in speed of the biological activities caused by the stress on fish by any means.
- A remarkable quantity of oxygen (5-30%) is used for metabolic activities after feed consumption by the fish. Therefore, it is found appropriate for the transportation of fish when the feed consumed by fish is completely digested and assimilated; and the excreta are left after metabolic activities.
- When feed is found in the intestine of fish, it comes out in water during transportation, causes bacterial decomposition and thereby reduces the amount of dissolved oxygen.