

CIFE-ITMU/2703/3/EOI



Central Institute of Fisheries Education
Institute Technological Management Unit (ITMU)
CIFE Old campus, Mumbai- 400061
Website: www.cife.edu.in



**Call for “Expression of Interest” for industries or companies interested in
CIFE test Kits**

Details of Technology

Name of technology: CIFE-test kits

Mode of Technology transfer: Fixed Licence fee plus royalty on sales

Abstract : Fish farmers often incur huge losses due to mass mortality of fishes, which may be due to various reasons like shortage of dissolved oxygen, fluctuation of pH , excess of ammonia, nitrite and nitrate in pond water. Methodology or instruments used by the students or researchers are not farmer-friendly. To protect the farmers from all these eventuality, ICAR-CIFE has developed many farmer-friendly kits. All the kits are packed in a corrugated plastic box and kept inside a foam packed air-tight container. This will ensure protection from sunlight, air, water beside its safe transportation. The kits are safe to users and avoid any toxic or hazardous low cost chemicals (like mercuric iodide, cadmium, avoided fully concentrated sulphuric acid) which are conventionally used in other commercial kits. The procedure of tests are simple, even a layman can do it. The literature is provided in simple language of English, Hindi and Bengali. The range of all the water quality parameters are given with distinct colour charts. The range of pH colour chart in kits available in the market are marked with 0.5 to 1.0 unit interval. In CIFE pH kit every 0.25 unit of pH there in a distinct color code, which is nearer to the precision of pH meter. The range of values for DO Test Kit available in market are 0.5 to 1 unit. The CIFEDO Kit provides the values of DO in every 0.27 unit of dissolved oxygen, which is nearer to the precision of DO meter. Range of values for CIFE ammonia & ammonium Test Kit are 0.0, 0.05, 0.1, 0.25, 0.5, 1.0, 1.5, 3.0, 5.0 8.0 mg/L. Similarly, range of values in CIFE Nitrite Test Kit colour chart: 0.0, 0.05, 0.1, 0.20, 0.3, 0.5, 1.0, 2.5, 5.0, 8.0 mg/L. Range of values in CIFE Nitrate Test Kit colour chart:0.0, 5.0, 10, 20, 30, 40, 50, 100 mg/L. Range of values in CIFE Phosphate Test Kit

colour chart : 0.0, 0.05, 0.1, 0.25, 0.5, 1.0, 2.0, 5.0 mg/L. Range of values in CIFE Iron Test Kit colour chart:0.0, 0.1, 0.3, 0.5, 1.0, 2.0, 5.0, 10.0 mg/L. Range of values in CIFE Chlorine Test Kit colour chart:0.0, 0.1, 0.25, 0.5, 1.0, 2.0, 5.0 mg/L.

Eligibility criteria: The marketing MoU and other financial aspect will be discussed after receiving the expression of interest of companies. All the interested companies will be personally intimated for the common meeting for clarifications if any. The final selection will be made on the basis of ICAR policy of highest bidder.

Half life of the kit:

- pH – 2 Years
- DO – 1.5 Years
- Salinity – 1.0 Years
- Ammonia gas and Ammonium ion – 1.25 Years
- CIFE multiparameter test kits for hardness, alkalinity, free
- Carbon dioxide, Ca, Mg etc – 2.0 Years
- Nitrate & Nitrite – 1.0 Years
- Phosphate, Iron & Chlorine – 1.5 Years

Expression of Interest must be submitted to the address given below in between 01.09.2019 to 01.10.2019.

Contact address: Interested candidates may submit their “**Expression of Interest**’ and related queries to Dr. N. P.Sahu (npsahu@cife.edu.in) and Dr. Subhendu Datta (subhdatta@gmail.com)