

## **Details regarding Modernization of Labs Project Under Idukki Package**

### **Lbas to be modernized/furnished.**

1. Chemistry UG Major and Minor Common Lab
2. Chemistry UG and PG Organic Chemistry Lab
3. Chemistry UG and PG Physical Chemistry Lab
4. Chemistry PG Lab
5. Chemistry Store room
6. Chemistry Research Lab
7. Water Quality Analysis Lab (Chemistry)
8. Physics Lab 1
9. Physics Lab 2 + Dark room
10. Centralized Instrumentation Facility (Chemistry and Physics) Main Lab
11. Centralized Instrumentation Facility (Chemistry and Physics) Lab 2
12. Commerce Research Facility
13. Economics Research Facility

### **Requirements**

Adequate number of:

1. Lab working table, Wall side working tables, Chemical storage facilities, preparation tables, balance room partition and wall side tables, fume hoods, over head storages with shutters, emergency eye wash units, shower units, exhaust fans, and other required items.

Adequate number of:

2. Instrument table cum storage facility, scholar's tables and chairs (for research lab), partition (for centralized instrumentation facility), instrumentation tables and chairs (for centralized instrumentation facility), wall side instrumentation table (for centralized instrumentation facility), and other required items.

3. All the items/materials must be of premium quality, and meet international standards. Work table top of chemistry labs may be made of trespa sheets or sheets of equivalent quality.

4. Necessary flooring, partition, electrical, plumbing, painting, etc. works are included in the project.

5. All the items must be durable for at least 10 years, and necessary maintenance work should be done free of cost during this period.

6. Final settlement of bills will be done only after considering the evaluation report of technical committee comprising at least three external experts.

7. The project implimenting agency must be a Government Accredited Agency.

8. The implimenting Agency must have previous experience on Lab modernization works in Higher Educational Institutions.(Minimum 1 Crore in single project)

9. Estimate of the project must be submitted in Price software.