

Appendix 5: List of projects and services

Fisheries Research

Project/services	Objective(s)	Main activities
Coastal fishery	<ul style="list-style-type: none"> ◆ Maintain and update records of fishery statistics for estimation of fish landings 	<ul style="list-style-type: none"> ◆ Prepare sample survey programme ◆ Collect and analyse data on coastal fish landings ◆ Perform checks at landing stations
Bank fishery	<ul style="list-style-type: none"> ◆ Maintain and update records of data on offshore demersal fishery for estimation of yields and for provision of advice on their management 	<ul style="list-style-type: none"> ◆ Collect, process and analyse log book data ◆ Sampling of fish
Ecotoxicology	<ul style="list-style-type: none"> ◆ Monitor toxic fish and harmful microalgae 	<ul style="list-style-type: none"> ◆ Bioassay tests with mouse ◆ Collection & examination of microalgal samples
St. Brandon inshore fishery and semi-industrial chilled fish fishery	<ul style="list-style-type: none"> ◆ Determine growth parameters estimates for fish at St. Brandon, Albatross, Soudan, Hawkins and small northern banks ◆ Monitor the fishery 	<ul style="list-style-type: none"> ◆ Sampling programmes for length/weight frequency data analysis ◆ Collect, verify, analyse and compile data from log books ◆ Catch data entry, effort, fishing positions, species, fishing days and estimates of catch per fisherman day
Seacucumber fishery	<ul style="list-style-type: none"> ◆ To assess the stock of seacucumber in the lagoon for its sustainable exploitation ◆ To monitor the fishing activities related to the collection of seacucumbers 	<ul style="list-style-type: none"> ◆ Collect data on catch and effort ◆ Carry out surveys at selected sites in the lagoon
South West Indian Ocean Fisheries Project	<ul style="list-style-type: none"> ◆ To identify and assess fish stocks in the EEZ of the coastal states in the South West Indian Ocean region 	<ul style="list-style-type: none"> ◆ Setting up of a database on fishing resources in the region ◆ Carry out resource surveys

Marine Science Division

Projects/Services	Objectives	Main activities
Coastal Ecosystem Research	<ul style="list-style-type: none"> • Long-term monitoring of the coastal ecosystem at selected sites 	<ul style="list-style-type: none"> • Collect, process and analyse data on substrate cover, coral bleaching • Issues related to stranded mammals & fish mortality
Coral farming project	<ul style="list-style-type: none"> • Study coral farming in an ocean-based nursery 	<ul style="list-style-type: none"> • Monitor growth of coral fragments
Coastal Environment Research	<ul style="list-style-type: none"> • Monitor coastal water quality and near sewage outfalls • Monitor coliform bacteria at selected public beaches • Long term monitoring of trace metals levels 	<ul style="list-style-type: none"> • Collection and chemical analysis of sea water samples • Record of physicochemical parameters • Investigate cases of alleged marine pollution and fish mortality • Perform test for coliform bacteria • Perform test for trace metals • Accreditation of laboratories
Monitoring of ex-sand mining sites	<ul style="list-style-type: none"> • Study the regeneration of ex-sand mining sites 	<ul style="list-style-type: none"> • Underwater surveys and collection of data on bottom substrate
Lagoon watch programme	<ul style="list-style-type: none"> • Monitor sea surface temperature in the lagoon 	<ul style="list-style-type: none"> • Collect daily sea surface temperature at selected sites • Analysis of temperature data
Monitoring of environment at marine aquaculture sites	<ul style="list-style-type: none"> • Monitor the ecosystem and water quality 	<ul style="list-style-type: none"> • Collect, process and analyse data on substrate cover • Collect and analyse seawater samples
Mangrove propagation	<ul style="list-style-type: none"> • To propagate mangroves in the coastal areas 	<ul style="list-style-type: none"> • Provide technical know-how to private organisations/fishermen to propagate mangroves

Aquaculture

Project/services	Objective(s)	Main activities
Freshwater fish culture	<ul style="list-style-type: none"> • Freshwater aquaculture development • Production of freshwater prawn juveniles and red tilapia to service farmers 	<ul style="list-style-type: none"> • Broodstock management of red tilapia and freshwater prawns • Advise fish farmers in freshwater aquaculture • Seed Production of red tilapia • Hatchery operation and management • Seed production of freshwater prawn • Pond management • Site visits
Ornamental fish culture	<ul style="list-style-type: none"> • Sharing of simple techniques on breeding and culture of fresh water ornamental fish with fish farmers 	<ul style="list-style-type: none"> • Production and management of broodstock • Reproduction of ornamental fish • Pond management • Site visits
Appraisal of aquaculture projects	<ul style="list-style-type: none"> • Aquaculture development 	<ul style="list-style-type: none"> • Views and recommendations on proposed projects
Marine /freshwater aquaculture projects	<ul style="list-style-type: none"> • Monitoring of marine/freshwater aquaculture projects 	<ul style="list-style-type: none"> • Regular site visits at fish farms

Marine Conservation

Project/services	Objective(s)	Main activities
Establishment of Marine Parks	<ul style="list-style-type: none"> • Construction and setting up of the Blue Bay and Balaclava Marine Park Centres • Physical zoning of the Balaclava Marine Park. • Management of marine parks 	<ul style="list-style-type: none"> • Co-ordination for the construction of marine park centres • Delimit the different zones in the Balaclava Marine Park • Monitor coral reef ecosystems at the two marine parks • Enforcement of MPA regulations • Issue Marine Protected Areas permits
Coastal zone management	<ul style="list-style-type: none"> • Ensure the development of coastal zone projects in a sustainable manner 	<ul style="list-style-type: none"> • Assessment of EIA applications and PER • Participate in pre and post EIA monitoring programme • Carry out ecological underwater surveys for development projects

Fisheries Training, Development & Extension

Projects/Services	Objectives	Main activities
FAD fishery research and development	<ul style="list-style-type: none"> • Develop, support and maintain a FAD fishery • Encourage fishermen to move to off lagoon 	<ul style="list-style-type: none"> • FAD design and construction • Set and maintain FADs • Monitor the FAD fishery • Operate and manage research boats
Off lagoon fishery development	<ul style="list-style-type: none"> • Promote and support the development of the off lagoon fishery • Develop fishing techniques 	<ul style="list-style-type: none"> • Demonstrate fishing techniques • Promote good fish handling and preservation practices
Training of fishermen and other stake holders	<ul style="list-style-type: none"> • Improve knowledge and skills of fishermen to operate in the off lagoon • Provide training to enhance safety and security at sea • Improve enforcement capabilities of the Fisheries Protection Service • Improve fish handling practices 	<ul style="list-style-type: none"> • Training of fishermen (General Course for Fisher) • Implement training programme for fishmongers

List of Capital Projects undertaken

Project	Amount	Status
Construction of retaining walls at Bambous Virieux Fisheries Post	Rs. 3 674 250 inclusive of contingencies for the sum of Rs. 150 000 and VAT	Final completion of work on 21 August 2009
Construction of an open-type Fish Landing Station at Bain des Dames	Rs. 237 648 inclusive of contingencies for the sum of Rs. 20 000 and VAT	Final completion of work on 05 November 2009

Fisheries Management

Project/services	Objective(s)	Main activities
Monitoring, Control and Surveillance	<ul style="list-style-type: none"> ◆ Monitor movement and operation of fishing vessels ◆ Licensing of fishing vessels ◆ Monitor the position and movement of all licensed fishing vessels through the VMS ◆ Certification of catch for export to EC 	<ul style="list-style-type: none"> ◆ Enforce licence conditions ◆ Clearance for departures and arrivals ◆ Monitor transshipment activities ◆ Enforce Port State Measures ◆ Issue licences to Mauritian and foreign fishing vessels ◆ Monitor and record the position of licensed fishing vessels ◆ Interface VMS information with the National Coast Guard ◆ Participate in joint surveillance missions of the IOC ◆ Validation of catch for export to EC
Fish imports and exports	<ul style="list-style-type: none"> ◆ Provision of support for import and export of fish and fish products. 	<ul style="list-style-type: none"> ◆ Issue import/export permits ◆ Inspect imported products ◆ Advise importers/exporters/fish sellers on quality norms
Pelagic Fisheries	<ul style="list-style-type: none"> ◆ Study stock structure, catch, trend, investigate fishing areas and distribution 	<ul style="list-style-type: none"> ◆ Collect and analyse data on catch, effort & landing ◆ Data exchange with IOTC ◆ Collection, processing and analysis of biological samples of licensed purse seiners
Banks Fisheries	<ul style="list-style-type: none"> ◆ Sustainable management of fish stocks 	<ul style="list-style-type: none"> ◆ Allocate quota to fishing vessels and companies ◆ Draw up list of banks fishermen

Fisheries Planning

Projects/Services	Objectives	Main activities
Project proposals	<ul style="list-style-type: none"> ● Formulate new projects 	<ul style="list-style-type: none"> ● Identify needs for the fisheries sector ● Prepare project write-up ● Financial analysis of projects and reporting
National / Regional / Bilateral / Multilateral Cooperation	<ul style="list-style-type: none"> ● Cooperation with local institutions ● Coordinate matters relating to regional/bilateral/multilateral issues 	<ul style="list-style-type: none"> ● Assist in evolving of fisheries policies with respect to EU, WTO, SADC, COMESA, NEPAD, IOR – ARC, SWIOFC, FAO, Norad, IFAD/MARS, OFCF, Hellenic Republic and Kuwait ● Liaison and collaboration with other organisations
Project appraisals	<ul style="list-style-type: none"> ● Appraise feasibility of project 	<ul style="list-style-type: none"> ● Assessment of the economic viability of fisheries project