

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

List of Capital Projects undertaken

Project	Amount	Status
Fencing works at Mahebourg Fisheries Post/Fish Landing Station	Rs. 1 163 750 inclusive of contingencies for the sum of 100 000 and VAT	Final completion of works on 05 June 2008
Construction of water tower at AFRC	Rs. 1 193 700 inclusive of contingencies for the sum of Rs. 110 000 and VAT	Final completion of work on 11 March 2008
Construction of a Fish Landing Station at Albion	Rs. 1 193 700 inclusive of contingencies for the sum of Rs. 110 000 and VAT	Final completion of work on 01 August 2008
Construction of a slipway at Roches Noires	Rs. 5 520 000 inclusive of contingencies for the sum of Rs. 300 000 and VAT	Final completion of works on 31 January 2008

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 water quality in coastal areas and near sewage outfalls • Monitor coliform bacteria at selected 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 • 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

Aquaculture

Project/services	Objective(s)	Main activities
Freshwater fish culture	<ul style="list-style-type: none"> • Freshwater aquaculture development • Production of prawn juveniles to service farmers 	<ul style="list-style-type: none"> • Broodstock management of red tilapia and freshwater prawns • Advise fish farmers in freshwater aquaculture • Produce seed of red tilapia • Operate the hatchery • Seed production of freshwater prawn • Site visits and stocking of ponds
Ornamental fish culture	<ul style="list-style-type: none"> • Develop simple technology on breeding and culture of fresh water ornamental fish 	<ul style="list-style-type: none"> • Production and management of broodstock • Reproduction of ornamental fish • Site visits and stocking of tanks
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 development, research and training	<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
Fisheries Training and Extension Centre	<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 	<ul style="list-style-type: none"> • Training of fishermen (General Course for Fisher) • Training of fishermen (FAD fishery) • In-service training of staff of the Fisheries Protection Service • Develop a fish handling and preservation course for fishmongers

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 	<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
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 ◆ Study the reproductive biological parameters of skipjack tuna 	<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 and FAO • Liaison and collaboration with other organisations