

Plan of Operation (PO)

No.	Project Activities	Target/Indicator	Responsible/ Supported by	Japanese Fiscal Year (JFY)								Input	Remark	
				07	2007/08				2008/09					
				M	AMJ	JAS	OND	JFM	AMJ	JAS	OND			JFM
1	Preparation of the action plan													
1.1	Study on the current status of livestock, such as location of farmers, numbers, breeding system, existing diseases, etc. in Uganda		Department of Livestock Health & Entomology (LHE), Project Office										• Livestock census (MAAIF)	
1.2	Study on the current status of organisations relating to animal disease diagnoses such as District Veterinary Offices, National Livestock Resources Research Institute (NALIRRI*), Faculty of Veterinary Medicine of Makerere University, etc.		Department of Livestock Health & Entomology (LHE), Project Office											
1.3	Identifying duties to be conducted by the Animal Disease Diagnostic and Epidemiology Laboratory, and District Veterinary Offices	• No. of staff meetings held	Department of Livestock Health & Entomology (LHE), Project Office											
1.4	Drawing up of the action plan	• Plan of Operation	LHE, Project Office											
2	Enhancing the capacity of the Animal Disease Diagnostic and Epidemiology Laboratory													
2.1	Identification of high priority diagnostic techniques	• Plan of Operation	Project office, Entebbe Lab.											
2.2	Strengthening the identified techniques and activities													
2.2.1	Maintenance of diagnostic laboratory													
2.2.1.1	Renovation of the diagnostic facilities	• Water & electricity supply, physical & bio-security of the buildings, etc.	Project office, Entebbe Lab.										• Renovation of the buildings • Supply of equipment	
2.2.1.2	Allocation of personnel	• No. of veterinarians and lab. technicians	MAAIF, Entebbe Lab.											

*NALIRRI: National Livestock Resources Research Institute, formerly known as LIRI: Livestock Health Research Institute

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2.2.2	Strengthening the identified techniques and activities													
2.2.2.1	Improvement of bacterial isolation and identification techniques	• No. of samples identified	Project Office, Nihon University, Makerere University										• Japanese experts • Expert from 3rd country • Training of staff	Model disease: <i>Salmonella</i> , etc.
2.2.2.2	Establishment of cell culture techniques	• No. of cell lines established	Project Office, Nihon University										• Japanese experts • Training of staff • Supply of equipment	
2.2.2.3	Establishment of virus isolation and identification techniques	• No. of viruses isolated	Project Office, Nihon University										• Japanese experts • Training of staff • Supply of equipment	Model disease: rotavirus, etc.
2.2.2.4	Establishment of histopathological diagnosis	• No. of samples diagnosed histopathologically	Project Office, Nihon University, Makerere University										• Japanese experts • Training of staff • Supply of equipment	
2.2.2.5	Improvement of serological diagnosis	• No. of serological diagnosis established	Project Office, Nihon University, NALIRRI										• Japanese experts • Expert from 3rd country • Training of staff	Model diseases: rabies, brucellosis, trypanosomiasis, etc.
2.2.3	Establishment of rapid diagnosis for the major infectious diseases													
2.2.3.1	Establishment of molecular biological techniques for the selected diseases	• No. of systems established • No. of samples diagnosed	Project office, Entebbe Lab., Nihon University										• Japanese experts • Expert from 3rd country • Training of staff, • Supply of equipment	Target diseases: rabies, HPAI, ND, ASF, PPR, CBPP, CCPP, FMD, rinderpest, etc.
2.2.3.2	Development of sampling methods for molecular diagnosis of the selected diseases	• No. of personnel trained • No. of sampling methods established • No. of samples submitted	Project office, Entebbe Lab., District Vet. Offices										• Preparation of manuals • Seminar at Entebbe Lab.	
2.3	Training of staff	• No. of personnel trained	Project Office, JICA, Nihon University, Makerere University, LIRI										• Training at Makerere Univ. & LIRI • Training in Japan or 3rd countries • Training by experts	Outcomes from the activities in Section 2.2

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3	Enhancing collaboration and linkage with the selected District Veterinary Offices															
3.1	Selection of collaborating District Veterinary Offices		Project office, Entebbe Lab.												Mbale, Kumi, Mpigi, Kiboga, Kiruhura, etc.	
3.2	Training for staff from selected District Veterinary Offices															
3.2.1	Improvement of parasitological diagnosis and haematological examination at the selected offices	• No. of personnel trained • No. of samples examined	Project office, Entebbe Lab., JOCV (JICA)											• Training at Entebbe Lab. • Supply of equipment and reagents • Dispatch of JOCV	Target diseases: blood parasites, stomach worms, flukes, avian coccidiosis, etc.	
3.2.2	Disease survey and animal health service in the selected districts	• No. of animals tested • No. of reports on disease survey	Project Office, District Vet. Offices, Entebbe Lab., JOCV (JICA), NALIRRI											• Dispatch of JOCV • Supply of reagents and disposables	Target diseases: TB, brucellosis, blood parasites, etc.	
4	Monitoring and evaluation of the Project activities															
4.1	Holding Committee meetings															
4.1.1	Steering Committee (SC) Meeting	• No. of meetings held	Project Office, JICA, DLHE											• Participation of SC members		
4.1.2	Joint Coordinating Committee (JCC) Meeting	• No. of meetings held	Project Office, JICA, MAAIF											• Participation of JCC members		
4.2	Monitoring and evaluation															
4.2.1	Monitoring and evaluation of the activities	• No. of staff meetings held	Project office, Entebbe Lab.													
4.2.2	Evaluation of the Project		MAAIF, JICA											• Dispatch of mission team		

Abbreviations

MAAIF: Ministry of Agriculture, Animal Industry and Fisheries

LHE: Department of Livestock Health and Entomology

Entebbe Lab.: Animal Disease Diagnostic and Epidemiology Laboratory

JICA: Japan International Cooperation Agency

JOCV: Japan Overseas Cooperation Volunteers

HPAI: highly pathogenic avian influenza, **ND:** Newcastle disease

ASF: African swine fever, **FMD:** foot and mouth disease

PPR: peste des petits ruminants, **TB:** tuberculosis

CBPP: contagious bovine pleuropneumonia

CCPP: contagious caprine pleuropneumonia