

**अधिकृतस्तरः**  
**प्रशिक्षक प्रशिक्षण तालीम (सीप विकास)**  
**(Trainer's Training- Skill Development)**

तालीम अवधि:	१ हप्ते	तालीम कार्य दिन:	६
जम्मा सेशन संख्या:	२४	प्रति कक्षा अवधि:	१.५ घण्टा

दिन	सेशन	छलफलका बुंदाहरु	कक्षा	
			सैद्धान्तिक	व्यवहारिक
१.	१.	सहभागीहरुको दर्ता, परिचय अपेक्षा संकलन, विषयबस्तर बारे जानकारी, Icebreak	१	-
	२.	तालीम के हो ? किन र तालीमका प्रकार र सफलताका आधारहरु	१	-
	३.	प्रभावकारी प्रस्तुतीको विकास गर्ने	१	
	४.	विषयबस्तुको साधारण उद्देश्य र विशिष्ट उद्देश्य तयार गर्ने	१	
२.	१	मौखिक प्रश्न गर्ने	१	-
	२	कार्यसम्पादन विधि तयार गर्ने	१	
	३	दृष्य सामग्रीहरु निर्माण गर्ने	१	
	४	दृष्य सामग्रीहरु निर्माण गर्ने		१
३.	१	पृष्ठपोषण लिने दिने	१	
	२	विषय बस्तुमा प्रवेश गर्ने, दृष्यात्मक प्रवचन गर्ने	१	
	३	सीप प्रदर्शन गर्ने	१	
	४	पाठ योजना तयार गर्ने	१	
४.	१	प्रौढ सिकाई (Adult Learning)	१	
	२	सिकने सिकाउने प्रकृयाको सिद्धान्त (Principles of teaching learning process)	१	
	३	प्रस्तुतीकरणको लागि तयारी	-	१
	४	प्रस्तुतीकरणको लागि तयारी	-	१
५	१	प्रस्तुतीकरणको लागि तयारी	-	१
	२	प्रस्तुतीकरणको लागि तयारी		
	३	प्रस्तुतीकरणको लागि तयारी	-	१
	४	प्रस्तुतीकरणको लागि तयारी		
६	१	प्रस्तुतीकरणको लागि तयारी		
	२	प्रस्तुतीकरणको लागि तयारी	-	१
	३	प्रस्तुतीकरणको लागि तयारी		
	४	प्रस्तुतीकरणको लागि तयारी		

**अधिकृतस्तरः**  
**सहभागीतामूलक कार्यक्रम तर्जुमा अनुगमन तथा मूल्यांकन तालीम**  
**(PPPME)**

तालीम अवधि:	९ दिने	तालीम कार्य दिन:	८
जम्मा सेशन संख्या:	३२	प्रति कक्षा अवधि:	१.५ घण्टा

दिन	कक्षा	विषय	कक्षा	
			सैद्धान्तिक	व्यवहारिक
१	१	दर्ता, परिचय र पूर्व मूल्यांकन		
	२	तालीममा अपेक्षा राखिएका कुराहरुको संकलन, छलफल		
	३	आयोजनाको अवधारणा र आयोजना चक्र	१	
	४	सहभागीतात्मक कार्यक्रम तर्जुमा : किन र कसरी (तहहरू)	१	
२	१	सहभागीतात्मक कार्यक्रमको लागत र फाईदा लिने तरिका	१	
	२	सहभागीतात्मक कार्यक्रमको फाईदा र निर्धारण		१
	३	सूचना संकलन : श्रोत र तरिकाहरू	१	
	४	आयोजना समीक्षा (Appraisal) अवधारणा र विधिहरू	१	
३	१	कार्यान्वयन योजना : परिचय तथा उद्देश्य निर्धारण	१	
	२	कार्यान्वयन योजना		१
	३	आयोजना अनुगमन र मूल्यांकन : परिचय र अवधारणा	१	
	४	सहभागीतात्मक अनुगमन र मूल्यांकन : प्रणाली संरचना तत्वहरू	१	
४	१	सहभागीतात्मक अनुगमन र मूल्यांकन:प्रणाली संरचना तत्वहरू	१	
	२	सहायकहरुको अनुगमन गर्ने तरिका	१	
	३	कार्ययोजना (Work Plan) परिचय र निर्माण	१	
	४	प्रतिवेदन तयारी: तरिका र विशेषता	१	
५	१	वातावरण अध्ययनको महत्वमाथि प्रकाश		१
	२-४	वातावरण अध्ययन वातावरण संरक्षण ऐन र संरक्षण नियमावलीको महत्व		२
६	१	प्रारम्भिक वातावरणीय परीक्षणको कार्य सूची	१	
	२	प्रतिवेदन तयार गर्दा अपनाउनु पर्ने विधि	१	
	३	प्रस्ताव कार्यान्वयन गर्दा वातावरणमा पर्ने खास प्रभाव	१	
	४	प्रस्तावको कार्यान्वयनबाट वातावरणमा पर्ने प्रभावको रोकथाम र		

		अनुगमन गर्नु पर्ने कुराहरूबारे छलफल	१	
७	१	वातावरणीय प्रभाव मूल्यांकनको कार्य सूची	१	१
	२	प्रतिवेदन तयार गर्दा लाग्ने समय, अनुमानित खर्च, आवश्यक पर्ने विशेषज्ञ आदिको बारेमा छलफल	१	
	३	प्रारम्भिक वातावरणीय परीक्षण प्रतिवेदन तयार गर्दा आवश्यक पर्ने कुराहरू	१	
	४	प्रारम्भिक वातावरणीय परीक्षण प्रतिवेदन तयार गर्दा आवश्यक पर्ने कुराहरू		
८	१	वातावरणीय प्रभाव मूल्यांकन तयार गर्दा खुलाउनु पर्ने कुराहरू	१	
	२	प्रतिवेदनको सारांश, प्रस्तावको विवरण तथा आधारभूत जानकारी	१	
	३	जानकारी	१	
	४	नीतिगत तथा कानूनी व्यवस्थाको समीक्षा र प्रस्तावको अनुगमन वातावरणीय परीक्षणको ढाँचा तथा त्यसको खास प्रयोगको बारेमा छलफल	१	

**अधिकृतस्तरः**  
**सहभागीतामूलक ग्रामीण लेखाजोखा (पि.आर.ए.) तालीम**  
**(Participatory Rural Appraisal)**

तालीम अवधि:	९ दिने	तालीम कार्य दिन: ७
जम्मा सेशन संख्या:	२८	प्रति कक्षा अवधि: १.५ घण्टा

दिन	कक्षा	विषय	कक्षा	
			सैद्धान्तिक	व्यवहारिक
१	१	दर्ता, परिचय र तालीमबाट अपेक्षा गरिएका कुराहरु	१	
	२	पि.आर.ए. अवधारणाको महत्व (सहभागीता, सशक्तिकरण	१	
	३	विकासे कार्यकर्तामा हुनुपर्ने सकारात्मक प्रवृत्तिको विस्तारः रोल मोडेल, मेन्टल क्याप	१	
	४	ग्रामीण सूचनाहरुको संकलन तथा विश्लेषण प्रकृत्यामा पि.आर.ए.को भूमिका	१	
२	१	योजना तर्जुमा, अनुगमन तथा मूल्यांकनमा पि.आर.ए.को उपयोग		१
	२	पि.आर.ए.को साधन (Tools): प्रयोग र यसको महत्व : सामाजिक, प्राकृतिक नक्सा		१
	३	मौसमी पात्रो, अन्तर धरातलीय नक्सा		१
	४	समय रेखा, आर्थिक अवस्था स्तरीकरण		१
३	१	चाहना स्तरीकरण, भेन डायग्राम		१
	२	गतिशीलता नक्सा, पियर वाईज च्यान्डिकड		१
	३	अनौपचारिक अन्तरवार्ता : यसको तयारी		१
	४	सामूहिक भ्रमण		१
४	१	पि.आर.ए. साधन फिल्डमा प्रयोग गर्दा ध्यान दिनु पर्ने कुराहरु	१	
	२	पि.आर.ए.को साधन फिल्डमा प्रयोग गर्दा ट्र्याडुलेशनको महत्व	१	
	३	पि.आर.ए.को सदुपयोग तथा दुरुपयोग	१	
	४	पि.आर.ए.को सबै साधनको समीक्षा र फिल्डको लागि तयारी	१	
५	१-४	पि.आर.ए.का साधनको स्थलगत प्रयोग (व्यवहारिक कक्षा)		४
६	१	फिल्डबाट तालीम केन्द्रमा फिर्ता		१
	२-४	फिल्ड प्रतिवेदन तयार		४
७	१	प्रतिवेदन प्रस्तुतीकरण		१
	२	" "		१
	३	कार्ययोजना तर्जुमा र प्रस्तुतीकरण		१
	४	पृष्ठपोषण मूल्यांकन तथा समापन		१

**अधिकृतस्तरः**  
**गुणस्तरीय बीउ उत्पादन तथा व्यवस्थापन तालीम**  
(Quality Seeds Production and Management)

तालीम अवधि:	१ हप्ते	तालीम कार्य दिन: ६
जम्मा सेशन संख्या:	२४	प्रति कक्षा अवधि: १.५ घण्टा

दिन	कक्षा	उप शिर्षक	सैद्धा.	व्यव.
१	१	नाम दर्ता तथा पूर्व परीक्षा	१	
	२	नेपालमा घांसवाली बीउको आवश्यकता एवं महत्व ।	१	
	३	बीउ तथा यसमा हुनु पर्ने गुणहरू ।	१	
	४	बीउविजन ऐन, २०४५ र नियमावली, २०५४ वारे जानकारी ।	१	
२	१	घांसको बीउ उत्पादनमा स्वसेचन र परसेचन क्रियाको महत्व ।	१	
	२	गुणस्तरीय बीउ उत्पादनको लागि अपनाउनु पर्ने वाली विज्ञानका सिद्धान्तहरू	१	
	३	टेट्राजोलियम परीक्षण गर्ने तरिका ।	१	
	४	स्टाइलो घांसको बीउ उत्पादन गर्ने प्रविधि ।	१	
३	१	जै, वर्षिम र स्टाइलोमा रोग र त्यसको उपचार एवं रोकथाम ।	१	
	२	विभिन्न घांसको बीउको न्यूनतम मापदण्ड वारे जानकारी ।	१	
	३	फेबेसिस र पोएसीको वेर्ना मूल्यांकनका आधारहरू र सुसुप्तावस्थावाट व्यूताउने प्रविधि ।	१	
	४	” ” ” (अभ्यास) ।		१
४	१	घांसको बीउको चिस्यान परीक्षण ।	१	
	२	” ” अभ्यास ।		१
	३	वर्षिम घांसको बीउ उत्पादन प्रविधि ।	१	
	४	बीउको शुद्धता परीक्षणको लागि नमूना लिने तरिका ।	१	
५	१	बीउको शुद्धता परीक्षणको लागि नमूना लिने तरिका (अभ्यास)		१
	२	जै, वर्षिम र स्टाइलोको बीउको शुद्धता परीक्षण ।	१	
	३	” ”	१	
	४	घांसेवाली बीउको उमारशक्ति परीक्षण ।	१	
६	१	घांसेवाली बीउको उमारशक्ति परीक्षण अभ्यास ।		१
	२	गुणस्तरीय घांसको बीउ उत्पादन गर्ने स्थान निरीक्षण गर्ने तरिकाहरू ।	१	
	३	घांसको बीउ प्रशोधन तथा भण्डारण प्रविधि ।	१	
	४	अन्तिम परीक्षा तथा प्रमाण पत्र वितरण ।	१	

**अधिकृतस्तरः**  
**मासु निरीक्षक तालीम**  
**(Meat Inspection Training)**

Training duration: 2 weeks	Training working days: 12
Total session: 48	Session duration: 1.5 Hour

Days	Session	Subject	Session	
			Theory	Practical
1	1	Regitration of participants.	1	
	2	Introduction and expectation of meat inspectoin of current status in Nepal.	1	
	3	Principle of A.M. and P.M. of poultry.	1	
	4	Generl pathological condition .	1	
2	1	General pathological condition (Abcess, Hematoma, Odima)		1
	2	Principles of postmortem inspectin of buffalo,sheep, goat and pig.	1	
	3	General pathological sign of plant poison.		1
	4	Guidelines for handling ,Transportion of Meat Animal.	1	
3	1	Slaughtering and Dressing of Livestock and Poultry.	1	
	2		1	
	3	Gen. Pathological condition (Pigmentation).	1	
	4	Fraudulent, Substitution of Meat and its recognition. Gen. Pathological condition of Tumour.		1
4	1	Postmortem changes of Meat Quality.	1	
	2	Idetification of major lymph nodes.		1
	3	Gen. Pathological condition (Haemorrhage,Haematoma etc.)	1	
	4	Location Drainage & Identification of Major lymph nodes of meat animals.	1	
5	1	Waste management of slaughter house	1	
	2	General pathological condition	1	
	3	(calcification,abnormal odor	1	
	4	Structure,composition & nutritive value of meat. Handling,Transportation & Storage of meat and meat product.	1	
6	1	Carcass disposition & judgement –I	1	
	2	Carcass disposition & judgement-II	1	
	3	Concept,plan, desion & storage of meat and meat product.	1	
	4	Carcass judgment (practical).		1

7	1	Specific zoonosis of Buffalo judgement.	1	1
	2	Identification of major lymph nodes(practical).		
	3	Utilization of slaughter house byproduct.	1	
	4	Microbiology of meat & meat product (meat micro-organism).	1	
8	1	Non zoonotic diseases & Judgement.	1	
	2	Specific Bacterial, Viral zoonoses of pig.	1	
	3	Zoonoses of pig (practical).	1	
	4	Sanitation, Hygiene control in Ruminant & Poultry Slaughter House.	1	
9.	1	Specific viral, parasitic & protozoal zoonoses of sheep and goat & its judgement.	1	
	2.	Hazard analysis and critical control point new approach for food safety.	1	
	3.	General pathological condition (Degeneration, Necrosis, Tumours).	1	
	4.	General pathological condition (Plant poisoning, Chemical PM).	1	
10.	1.	Concept of meat hygienic & VPH procedure of AM and PM. Exam.	1	
	2.	Legislation and enforcement.	1	
	3.	Visiting to slaughter house ⊗ slab and meat shop.	1	
	4.	Visiting to slaughter house ⊗ slab and meat shop.	1	
11.	1	Role and Duties of meat inspector.	1	
	2.	Meat trade related diseases.	1	
	3.	Carcass judgement (practical).	1	
	4.	Postmortem changes, meat quality parameter.	1	
12.	1.	General pathological condition (Toxicology and Arsenic) practical.		1
	2.	HACCP practical.		1
	3.	Specific zoonoses of Buffalo and judgement (practical).		1
	4.	Post test/exam.		

**अधिकृतस्तरः**  
**पशु प्रजनन तथा कृत्रिम गर्भाधान तालीम**  
**(Animal Breeding and AI)**

Training duration: 10 days	Training working days: 8
Total session: 32	Session duration: 1.5 Hour

Days	Session	Subject	Session	
			Theory	Practical
1	1	Registration, Expectation collection		
	2	Pre-test		
	3	Animal Breeding Policy in Nepal	1	
	4	Progeny testing/sire evaluation	1	
2	1	AI:Its prospects and constraints in Nepal <b>Cattle and Buffalo</b>	1	
	2	Proper System of Animal Breeding:cattle and buffalo	1	
	3	Role of officer in AI management:key points to considered	1	
	4	Latest Technology in Heat Synchronization	1	
3	1	Embryo Transfer Technology	1	
	2	Semen Collection Processing		1
	3	Semen handling and evaluation		1
	4	Judicious use of liquid nitrogen and AI equipment		1
4	1	A.I. Management in Japan:Its relevancy to Nepal	1	
	2	Privatization of AI services: Where and When	1	
	3	Concept of Mobile A.I. Service	1	
	4	Repeat Breeding :Causes and Remedies	1	
5	1	Infertility : Causes and Remedies	1	
	2	Reproductive disorders in dairy cows and buffaloes & their treatment	1	
	3	Suitable breeding message to farmers	1	
	4	Proper System of Animal Breeding	1	
6		<b>Sheep and Goat</b>		
	1	Selection Criteria in goat and sheep	1	
	2	Selective Breeding Scheme to increase productivity in goat	1	
	3	AI in goat	1	
7		<b>Pig and Poultry</b>		
	1	Selection Criteria in pig and poultry	1	
	2	Selective Breeding Scheme to increase productivity in pig and poultry	1	
	3	AI in pig	1	
8		<b>Monitoring and Evaluation</b>		
	1	Record Keeping	1	
	2	Monitoring of Breeding Farmer's Organization	1	
	3	Post-test/course evaluation		
	4	Certification		



**अधिकृतस्तरः**  
**क्वारेन्टाइन व्यवस्थापन तालीम**  
**(Quarantine Management)**

तालीम अवधि:	४ दिने	तालीम कार्य दिन:	४
जम्मा सेशन संख्या:	१६	प्रति कक्षा अवधि:	१.५ घण्टा

दिन	संख्या	विषय	कक्षा	
			शैद्धान्तिक	व्यवहारिक
१.	१.	नाम दर्ता र परिचय	१	
	२.	पूर्व परीक्षा	१	
	३.	मुद्दाको प्रमाण र फैसला सम्बन्धी व्यवस्था	१	
	४.	वर्तमान ऐन र क्वारेन्टाइन अधिकृतको जिम्मेवारी	१	
२.	१.	नि. संक्रमण प्रमाण-पत्र जांच र नमूना संकलन तथा रिपोर्टिङ	१	
	२.	प्रभावकारी ऐन नियम कार्यन्वयनमा अन्य निकायको भूमिका	१	
	३.	पशु तथा पशु जन्य पदार्थको अन्तरराष्ट्रिय कानूनको WTO/SPS सम्बन्धी जानकारी	१	
	४.	दण्ड सजाय तथा पुनरावेदन सम्बन्धी व्यवस्था	१	
३.	१.	लिलाम, क्वलियतनामा र सर्जमिन मुचुल्कावारे जानकारी	१	
	२.	ट्रैन्स वाउण्डरी रोग वारे जानकारी (क) गाई, भैसी (ख) वोका,वाखा, अन्य	१	
	३.	पशु क्वारेन्टाइन सम्बन्धी ऐननियमका प्रमुख व्यवस्थाहरु	१	
	४.	वर्तमान ऐन र क्वारेन्टाइनमा देखा परेका व्यवहारिक समस्या र सोको निवारणको छलफल	१	
४.	१.	निजामती कर्मचारीलाई गर्न सकिने विभागीय सजाय र सजाय गर्नु पूर्व पुन्याउनु जनकारी	१	
	२.	सेनिटरी तथा स्वास्थ्य प्रमाणिकरण व्यवस्थावारे जानकारी	१	

**अधिकृतस्तरः**  
**विश्वव्यापार संगठन र पशु विकास क्षेत्र तालीम**  
**(WTO and Livestock Sector)**

Training duration: 1 week	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

Days	Session	Subject	Session	
			Theory	Practical
1	1	Registration , Introduction & pre- test exam.	1	
	2	WTO : Genesis, Structure major agreement (Agriculture related to Agri./ livestock).	1	
	3	Nepal's accession to WTO: commitment of Nepal, process, package, achievements & lessons learnt.	1	
2	1	Agreement on agriculture (AOS) market access and domestic support commitment of Nepal.	1	
	2	SPS/Technical barrier to Trade GMP, GLP, GIP and codex alimentaries	1	
	3	WTO/SPS Agreement.	1	
3	1	Implications of WTO on Nepalese agriculture (Emphasis of livestock sector).	1	
	2	Trade related intellectual property rights (TRIDS) patents suigeneris UPOV.	1	
	3	Agriculture bio-diversity in relation to WTO.	1	
4	1	Import substitution Trade remedy measures and dispute settlement mechanism.	1	
	2	Enhancing competitiveness of Nepalese Agricultural commodities.	1	
	3	Bird Fluel (Avian Influenza) out break.	1	
5	1	Risk assessm the and communication and management.	1	
	2	Quility control standard setting organization and their functioning.	1	
	3	WTO and Regional Trading Arrangement (RTAS) with special reference to SAFTA, BIMSTEC.	1	
6	1	Latest status and major focus of Doha CUNCUN round and agriculture.	1	
	2	WTO related legislative arrangements and existing provision on agriculture policy.	1	
	3	Post test exam.	1	

**अधिकृतस्तरः**

## ईपिडेमियोलोजी तथा क्वारेन्टाईन व्यवस्थापन तालीम (Epidemiology and Quarantine Management)

Training duration: 1 week	Training working days: 6
Total session: 24	Session duration: 1.5 Hour

Days	Session	Subject	Session	
			Theory	Practical
1	1	Registration		
	2	Expectation Collection and Pre-test		
	3	Basic concepts of epidemiology	1	
	4	Method of epidemiology	1	
2	1	Importance of Animal Health Information System	1	
	2	Animal Health Information System in Nepal	1	
	3	Economics of disease control program: Ex-ante Analysis	1	
	4	of Outbreak Investigation	1	
3	1	Use of disease reporting and recognition manual		1
	2	Major steps to be followed in laboratory investigation of infectious diseases - I	1	
	3	Major steps to be followed in laboratory investigation of infectious diseases - II		1
	4	Major steps to be followed in laboratory investigation of infectious diseases - III		1
4	1	Quarantine Acts and Regulations	1	
	2	Overview of Quarantine Procedure in Nepal	1	
	3	Responsibilities of quarantine officers in technical, legal and administrative field	1	
	4	Procedure to be followed for export-import of livestock and their products	1	
5	1	Quarantine related application, permission recommendation and certification form	1	
	2	Feed back		
	3	Post-test		
	4	Certificate, ceremony		

**अधिकृतस्तरः**  
**प्रशिक्षक प्रशिक्षण तालीम**  
**(Trainers' Training)**

Training duration: 2 weeks	Training working days: 12
Total session: 36	Session duration: 1.5 Hour

Date	Session	Topic	Theory	Practical
1	1	Registration of participants	1	
	2	Introduction	1	
	3	Pre-Test Expectation Collection, Importance of Trainers Training	1	
2	1	Climate setting and Team Building	1	
	2	Training Concept and Process	1	
	3	Principle of Teaching Learning Process	1	
3	1	Training Need Assessment	1	
	2	Training Need Assessment		1
	3	Training Need Assessment		1
4	1	Principle of adult learning	1	
	2	Training Course Design	1	
	3	Training Course Design		1
5	1	Role of Trainer	1	
	2	Training Methods and Selections	1	
	3	Introduce a lesson	1	
6	1	Overview of Lesson plan	1	
	2	Prepare lesson plan	1	
	3	Use Basic Platform Skill	1	
7	1	Give an illustrative talk	1	
	2	Give and receive feed back	1	
	3	Use flipchart	1	
8	1	Demonstrate a skill	1	
	2	Brainstorming	1	
	3	Use transparency skill	1	
9	1	Communication skill	1	
	2	Apply principle of group dynamics	1	
	3	Training management	1	
10	1	Preparation of Practicum		1
	2	Preparation of Practicum		1
	3	Practicum		1
11	1	Practicum		1
	2	Practicum		1
	3	Practicum		1
12	1	Training Monitoring and Evaluation	1	
	2	Post test and evaluation	1	
	3	Certification and Closing	1	

**अधिकृतस्तरः**  
**पशु आहारा श्रोत व्यवस्थापन तालीम**  
**(Animal Feed Resource Management)**

Training duration: 1 week	Training working days: 6
Total session: 24	Session duration: 1.5 Hour

Days	Session	Subject	Session	
			Theory	Practical
1	1	Registration		
	2	Expectation Collection and Pre-test		
	3	Present problem, prospects and management of feed resources in Nepal	1	
	4	Animal feed resources improvement objectives and strategies of the DLS in current plan period	1	
2	1	Factors affecting the nutritive value of different feeds and forages at different ecological zones	1	
	2	Nutrient requirement for maintenance, growth and production and recommendations	1	
	3	Appropriate models for forage development approach to enhance the nutritional status of farm animals	1	
	4	Forage and pasture seed production and its importance for forage development	1	
3	1	Preparation of low cost feeding regime for dairy cattle	1	
	2	Preparation of low cost regime of daily cattle (for the hills & Terai) Exercise	1	
	3	Importance and use of feed additives/feed supplements for dairy animal		1
	4	Animal behavior/physiological stage problem faced by the farmer	1	
4	1	Environmental aspect of livestock farming in Nepal	1	
	2	Utilization of crop residues and crop by products in animal feeding	1	
	3	Reducing cost of production of milk/meat	1	
	4	Nutrition health interaction in ruminants	1	
5	1	Research review, present activities, finding and recommendations	1	
	2	” ” ” ” ” ”	1	
	3	Post-test		
	4	Certification		

**अधिकृतस्तरः**  
**आधारभूत सेवाकालिन तालीम**  
**(Basic In-service)**

Training duration: 35 days	Training working days: 30
Total session: 90	Session duration: 1.5 Hour

Days	Session	Subject	Session	
			Theory	Practical
1	1	Registration & Pre-Test		
	2	Introduction, learning evaluation		
	3	Briefing, matching expectation		
2	1	Climate setting and team building		1
	2	APPSP: its features and livestock sector		1
	3	Livestock development policy/strategies of the DLS in the current plan	1	
3	1	Animal breeding policy/strategies of the DLS in the current plan	1	
	2	Animal Health policy/strategies of the DLS in the current plan	1	
	3	Programme planning, monitoring and evaluation approach of the DLS	1	
4	1	Key issue in livestock marketing and role of co-operative/ private sectors	1	
	2	Dairy development policy. strategies of the DLS in the current plan	1	
	3	Animal feed resources improvement policy/strategies of the DLS in the current plan	1	
5	1	Animal Genetic Resources Conservation	1	
	2	Concept of modern management	1	
	3	PRA concept and its application	1	
6	1	Social mobilization and group dynamics	1	
	2	Use basic plate form skills (Adult learning)	1	
	3	Give and receive feed-back	1	
7	1	Government accounting system	1	
	2	Financial irregularities and measures to minimize them	1	
	3	Livestock services training policy/strategies of the DLS in the current plan	1	
8	1	Personnel administrative management	1	
	2	Motivation	1	
	3	Project appraisal	1	
9	1	Leadership	1	
	2	Delegation	1	
	3	Handling subordinates	1	
10	1	Time management	1	
	2	Co-ordination	1	

	3	decision making	1	
11	1 2-3	Supervision and performance appraisal Communication Skills	1	2
12	1 2-3	Interpersonal relationship Farmer's need assessment	1 1	
13	1 2 3	Concept of development administration Concept of farm economics Gender issue in livestock development in Nepal (Selected case studies	1 1 1	
14	1 2 3	Gender issues in livestock development in Nepal: Gender Analysis Livestock related Acts and Legislative Arrangements in Nepal I Livestock related Acts and Legislative Arrangements in Nepal II	1 1 1	
15	1 2-3	An Introduction to objective oriented project planning Net work Analysis	1 2	
16	1 2 3	Environmental protection and livestock development Co-operatives development in Nepal I Co-operatives development in Nepal II	1 1 1	
17	1-2 3	Research review : Animal Health Research review : Animal Breeding	2 1	
18	1 2 3	Research review : Animal Breeding Research review : Animal Nutrition Research review : Pasture Fodder Production	1 1 1	
19	1-3	Individual assignment preparation		3
20	1-3	Presentation		3
21	1 2-3	Research review: Leasehold & Community Forestry Technical report writing skills	1 1	1
22	1-3	Group Project (Field Work & Report Writing)		3
23	1-3	Group Project (Field Work & Report Writing)		3
24	1-3	Group Project (Field Work & Report Writing)		3
25	1-3	Group Project (Field Work & Report Writing)		3
26	1-3	Group Project (Field Work & Report Writing)		3
27	1-3	Group Project (Field Work & Report Writing)		3
28	1-3	Group Project (Field Work & Report Writing)		3
29	1-3	Group Project (Field Work & Report Writing)		3
30	1-3	Group Project (Field Work & Report Writing)		3

**अधिकृतस्तरः**  
**योजना तर्जुमा तथा व्यवस्थापन तालीम**  
**(Project Planning and Management)**

Training duration: 1 week	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

Days	Session	Subject	Session	
			Theory	Practical
1	1	Registration/Expectation Collection/pre-test		
	2	Project Concept and Project Cycle		
	3	Situation Analysis (Problem and Objective Tree Analysis)		
2	1	Logical framework - concept and techniques		
	2	Measuring project work (BC Ratio, NPV, IRR, BEP calculation)		
	3	Role of DLS in international trade of livestock and livestock product		
3	1	Component of National Veterinary services in the OIE and WTO member countries		
	2	Concept of CLDP, its objectives and components		
4	1	Application of IEA and EIA in Nepalese agriculture		
	2	Project concept note		
	3	Project proposal preparation		
5	1	An overview of planning process in Nepal		
	2	Stakeholder analysis SWOT analysis, key issues and briefing objectives		
	3	Networking (CPM & PERT)		
6	1	Preparation of project on the NARDF format (Group)		
	2	Closing ceremony		



**अधिकृतस्तरः**  
**दूध प्रशोधन तथा दुग्ध पदार्थ उत्पादन तालीम**  
**(Milk Processing and Dairy Production)**

तालीम अवधि:	२ हप्ते	तालीम कार्य दिन:	१२
जम्मा सेशन संख्या:	४८	प्रति कक्षा अवधि:	१.५ घण्टा

दिन	कक्षा	विषय	कक्षा	
			सैद्धान्तिक	व्यवहारिक
१.	१.	दर्ता, परिचय, पूर्व परीक्षा	१	
	२.	दुध उच्चमशीलताको विकास	१	
	३.	दुधको नमूना लिने विधि योजना र प्लेट फर्म परिक्षण	१	
	४.	दुधको नमूना लिने विधि योजना र प्लेट फर्म परिक्षण		१
२.	१.	सफा दुध उत्पादन र दुधउत्पादन लागत मूल्य कमगर्ने उपायहरु	१	
	२.	दुधको वनावट र चारित्रिक गुण र यसको महत्व	१	
	३.	दुधको घृतांश र दुधका . परिक्षण	१	
	४.	दुधको घृतांश र दुधको एस. एन. एफ. परिक्षण		१
३.	१.	दुध प्रशोधनमा HACCP को कार्यान्वयन विधि	१	
	२.	दुधमा मिसावटको परिक्षण - १	१	
	३.	दुधमा मिसावटको परिक्षण - २	१	
	४.	फर्मेन्टेड दुध उत्पादनमा सुक्ष्म जीवाणूको प्रयोग		
४.	१.	पनिर तथा छेना उत्पादन	१	
	२.	दुधको क्रिम सेपेरेशन, व्याच पास्चुराइजेशन र प्याकेजिङ्ग	१	
	३.	दुधको क्रिम सेपेरेशन		१
	४.	दुधको क्रिम सेपेरेशन, व्यच पास्चुराइजेन र प्याकेजिङ्ग		१
५.	१.	छुर्पी उत्पादन	१	
	२.	आईक्रिम उत्पादन	१	
	३.	आईसक्रिम वनाउने विधि - १		१
	४.	आईसक्रिम वनाउने विधि-२		१
६.	१.	छुर्पी उत्पादन गर्ने प्रविधि		१
	२.	छुर्पी उत्पादन गर्ने प्रविधि		१
	३.	आईक्रिम फ्रिज र प्याकिङ्ग गर्ने प्रविधि		१
	४.	आईसक्रिम गुणस्तर परिक्षण		१
७.	१.	दुध तथा दुग्ध पदार्थको गुणस्तर	१	
	२.	मोजेरेला चिज उत्पादन	१	

	३.	मोजेरेला चिज उत्पादन		१
	४.	गुंदपाक र दही उत्पादन		१
८.	१.	सुरवित र पुस्तकारी उत्पादन		१
	२.	दुधको एस. एन. एफ. परिक्षण		१
	३.	छुर्पी उत्पादन		१
.	४.	दुध तथा दुग्ध पदार्थको गुणस्तर वारे जानकारी	१	
९.	१.	विभिन्न डेरीहरुको भ्रमण र		१
	२.	विभिन्न डेरीहरुको भ्रमण		१
	३.	विभिन्न डेरीहरुको भ्रमण		१
	४.	विभिन्न डेरीहरुको भ्रमण		१
१०.	१.	घिउ उत्पादन -व्यवहारीक		१
	२.	लस्सी र रसवरी उत्पादन		१
	३.	लालमोहन उत्पादन		१
	४.	प्रमाण पत्र वितरण तथा समापन		

**अधिकृतस्तरः**  
**मासु प्रशोधन तालीम**  
**(Meat Processing)**

Training duration: 2 weeks	Training working days: 12
Total session: 48	Session duration: 1.5 Hour

Day	Session	Subject	Session	
			Theory	Practical
1.	1.	Registration & Expectation.	1	
	2.	Pre-test	1	
	3.	Concept of model project proposal on Slaughter House Design	1	
	4.	Model of Slaughter Unit	1	
2.	1.	Storage of the meat chilling & freezing.	1	
	2.	Composition, Structure and Nutritive Value of meat.	1	
	3.	Guidelines for handling, transportation of Meat Animals.	1	
	4.	Bacterial contamination of meat	1	
3.	1.	Preservation of meat.	1	
	2.			
	3.	Equipments used in meat process.	1	
	4.	Meat microbiology and spoilage of meat.	1	
4.	1.	Technical aspects of processing meat.	1	
	2.	General hygienic practice for Meat Industry & Meat Handling.	1	
	3.	Cutting and deboning of meat.	1	
	4.	Grading of Carcass Quality.	1	
5.	1.	Guidelines for the application of the HACCP system to small and less durable businesses	1	
	2.	Importance of microbiological test of Meat and Meat Product.	1	
	3.	Quality assurance and standardization of Meat and Meat Products.	1	
	4.	Quality of meat.	1	
6.	1.	Utilization of slaughter house byproduct.	1	
	2.	Briefing of Slaughter House of Thankot.	1	
	3.	Briefing of Slaughter House of Thankot.	1	
	4.	Demonstration of buffalo slaughtering	1	
7.	1.	Commercial Livestock Sector and Dairy Sector.	1	

	2.	Meat Hygiene	1	
	3.	Preparation of cutting and deboning of pork carcass.	1	
	4.	Preparation of cutting and debonig of buffalocarcass.	1	
8.	1.	Preparation of Pork sausage.	1	
	2.	Preparation of Chicken sausage.	1	
	3.	Preparation of Buffalo sausage.	1	
	4.	Preparation of Salami.	1	
9.	1	Slaughter House Wastage Managemant.	1	
	2.	Visit Poultry Farm.	1	
	3.	Visit Slaughter House of Poultry.	1	
	4.	Preparation of meat Loaf.	1	
10.	1.	Practicum	1	
	2.	Practicum	1	
	3.	Post test.	1	
	4.	Distributation of Certificates & Closing Ceremony.	1	

**अधिकृतस्तरः**  
**पशुपंक्षी बजार व्यवस्थापन तालीम**  
**(Livestock Market Management)**

Training duration: 1 week	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

Day	Topic	Contents	Session	
			Theory	Practical
1.	1	Registration, introduction of the training, and expectation	1	
	2	Introduction to Basic Concepts (Demand, Supply, Equilibrium and Elasticities)	1	
	3	Introduction to Basic Concepts (Marketable Surplus, Livestock Market, Marketing Functionaries, Marketing Channel and Market Margin)	1	
2.	1	Livestock marketing information collection, analysis & dissemination	1	
	2	Basic understanding of livestock market development and management strategies	1	
	3	Marketing approaches of livestock market system	1	
3.	1	Strategic decision making in livestock production and marketing	1	
	2	Marketing mix	1	
	3	Rapid Marketing Appraisal (RMA)	1	
4.	1	Entrepreneurship development	1	
	2	Market revitalization	1	
	3	Pricing policies in livestock markets and marketing	1	
5.	1	Policy issues in livestock market development strategies on Nepal with reference to WTO/SAFTA	1	
	2,3	Field visit for application of RMA to generate livestock marketing information		2
6.	1	Report writing (of the field exercise) with preparation of an Action Plan		1
	2	Presentation of the field report		1
	3	Evaluation and closing of the Training Program	1	

**अधिकृतस्तरः**  
**प्रयोगशाला तथा गुणस्तर नियन्त्रण विश्लेषण तालीम**  
**(Laboratory and Quality Control Analysis)**

Training duration: 2 weeks	Training working days: 12
Total session: 36	Session duration: 1.5 Hour

Day	Session	Topic	Theory	Practical
1.	1	Opening session—Registration and Introduction of the Participants, Concept and Objective of the training	1	
	2	Sterility Test Principle and Procedure	1	
	3	Prepare Media for Sterility Test		1
2.	1	Sterilize media and glass wares required for sterility test.		1
	2	Conduct sterility test		1
	3	Safety test principle and procedure.	1	
3.	1	Prepare sample for safety test		1
	2	Conduct safety test		1
	3	Potency test principle and procedure.	1	
4.	1	Prepare sample for potency test.		1
	2	Inoculate the sample for potency test.		1
	3	Harvest material and conduct HA/HI		1
5.	1	Efficacy test principle and procedure.	1	
	2	Efficacy test principle and procedure/		1
	3	Inoculate the sample for efficacy test.		1
6.	1	Collect the serum and conduct indirect mice protection test.		1
	2	Conduct ELISA for efficacy test.		1
	3	Pathogenicity index principle and procedure	1	
7.	1	Prepare sample for Pathogenicity Index Test.		1
	2	Conduct Intracerebral Pathogenicity Index Test.		1
	3	Conduct intravenous pathogenicity index test.		1
8.	1	Conduct Pathogenicity Index Test on embryonated eggs.		1
	2	Analyze and interpret result of the test.		1
	3	Conduct intravenous Pathogenicity Index Test.	1	
9.	1	Extract Mycotoxin from feed sample.		1
	2	Qualitative estimation of mycotoxin in feed sample		1
	3	Interpret the result of Mycotoxin Residue Extraction Test.		1
10.	1	Drug analysis and assay, principle and procedure.	1	
	2	Conduct physical analysis of drugs		1
	3	Conduct physical analysis of drugs		1
11.	1	Conduct chemical analysis of drug and interpret the result		1
	2	Conduct chemical analysis of drug and interpret the result		1
	3	Analysis of the Antibiotic Residue in meat.	1	
12.	1	Detect antibiotic residue in meat.		1
	2	Evaluation of antibiotic residue in milk.	1	
	3	Detect antibiotic residue in milk. Closing session – Discussion, feedback and evaluation		1

Officer's Level:  
**Laboratory Training**  
(DLS Veterinary Officers)

Training duration: 2 weeks	Training working days: 12
Total session: 36	Session duration: 1.5 Hour

Day	Session	Topic	Session	
			Theory	Practical
1.	1	Welcoming and registering the participants	1	
	2	Good Laboratory Practices (GLPs)	1	
	3	Port mortem examination of mammals and birds	1	
2.	4	Post mortem examination of mammals and birds		1
	5	Good laboratory practice (GLPs)	1	
	6	Histological technique	1	
3.	7	Bio-septic in a laboratory	1	
	8	Histological Procedure	1	
	9	Specimen collection	1	
4.	10	Histological technique	1	
	11	Histological Procedure		1
	12	Parasitology	1	
5.	13	Laboratory Diagnosis of Digestive Tract Parasites	1	
	14	Epidemiology and statistics	1	
	15	Parasitology	1	
6.	16	Larva culture/Copro culture	1	
	17	Disease surveillance & investigation of epidemics	1	
	18	Bio-chemical estimation method	1	
7.	19	Estimation of inorganic and organic substances in blood		1
	20	Pattern of disease occurrence	1	
	21	Urine analysis		1
8.	22	Quality management in a veterinary laboratory	1	
	23	Micro biology	1	
	24	Bacteriological technique-I		1
9.	25	Bacteriological technique-II		1
	26	Serology	1	
	27	Serological technique – I		1
10.	28	Serological technique – II		1
	29	Diagnosis of Avian Influenza (Bird Flu)		1
	30	Transboundary Animal Diseases (TADS) diagnosis		1
11.	31	Virology	1	
	32	Virological technique		1
	33	TADs disease diagnosis (PPR)		1
12.	34	Agar gel precipitation test (AGPT)		1
	35	Agar gel immunodiffusion (AGID) test		
	36	Transboundary Animal Diseases (TADS)	1	
		Training Evaluation, Closing, Certification		

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**अधिकृतस्तरः**  
**भेटेरिनरी निरीक्षकको तालीम**  
(Veterinary Inspector)

तालीम अवधि:	१ हप्ते	तालीम कार्य दिन: ६
जम्मा सेशन संख्या:	२४	प्रति कक्षा अवधि: १.५ घण्टा

दिन	सेशन	विषय वस्तु	सत्र	
			सैद्धा.	व्यव.
१	१	सहभागीहरूको रजिष्ट्रेशन, तालीमको उद्देश्य, अपक्षा संकलन	१	
	२	राष्ट्रिय भेटेरिनरी सेवाको महत्व र पशुजन्य पदार्थको मापदण्डको आवश्यकता	१	
	३	WTO को सन्दर्भमा Veterinary Service को महत्व	१	
२.	४	जैविक पदार्थ सम्बन्धी आवश्यक व्यवस्था	१	
	५	Importance of Veterinary Certification and its implication to regulation of animal health.	१	
	६	पशु तथा पशुजन्य उद्योग दर्ता प्रकृया तथा यस सम्बन्धी ऐन नियमहरू	१	
३.	७	रोगको सूचना संप्रेसन गर्ने कार्य विधि, Epidemiological Reporting र यसको औचित्य ।	१	
	८	ह्याचरीवधशाला, बधस्थल, कोल्ड स्टोर तथा व्यवसायिक फार्महरू -गार्ड, भैसी , भेडा, बाखा कुखुरा ) निरीक्षण गर्दा वा निरीक्षण गर्दा रोग देखा परेमा अपनाउनु पर्ने कार्यविधि तथा सावधानी	१	
	९	नि : संक्रमणका विभिन्न तरिका र यसको महत्व ।	१	
४.	१०	पशु औषधी तथा पदार्थको नमूना संकलन तथा संप्रसण गर्ने विधि र यसको महत्व ।	१	
	११	विद्यमान पशु स्वास्थ्य तथा पशु सेवा ऐन र नियमावली तथा मुलुकी ऐन	१	
	१२	मुद्दाको प्रमाण संकलन, तहकिकात तथा दायर गर्ने सम्बन्धी व्यवस्था र ऐन कानूनको प्रभावकारी कार्यन्वयन ।	१	
५	१३	ऐन नियम कार्यन्वयनमा भेटेरिनरी निरीक्षण तथा निरीक्षक सम्बन्धी व्यवस्था ।	१	



	१४	विभागबाट प्रदान गरीने सिफारिस पत्र तथा अन्य सहमती पत्र यसका प्रकृया एवं औचित्य	१	
	१५	हुवानीका मापदण्ड सम्बन्धी हुनु पर्ने आधारभूत कुराहरु र वर्तमान व्यवस्था	१	
६.	१६	औषधी पसल तथा व्यवसायिक फार्मको भेटेरिनरी निरीक्षण प्रकृया	१	
	१७	Transboundry Animal Diseases नियन्त्रणमा आन्तरीक पशु ओसार पसार व्यवस्थापन र भेटेरिनरी निरीक्षकको भूमिका	१	
	१८	कार्य योजना पृष्ठपोषण तथा समापन ।	१	

**अधिकृतस्तरः**  
**जि.वि.स तथा विकास कार्यदलका सदस्यहरूको अभिमुखिकरण**  
**तालीम**

तालीम अवधि:	३ दिने	तालीम कार्य दिन:	३
जम्मा सेशन संख्या:	९	प्रति कक्षा अवधि:	१.५ घण्टा

दिन	शीर्षक	विषय वस्तु	सत्र	
			सैद्धान्तिक	व्यवहारिक
१	१	सहभागीहरूको रजिष्ट्रेशन, तालीमको उद्देश्य, परिचय र अपेक्षा संकलन	१	
	२	सामूदायिक पशु विकास आयोजनाको उद्देश्य, परिचय र अपेक्षा संकलन	१	
	३	करार तथा साभेदारीमा पशु विकास कार्यक्रम संचालन कार्यविधि	१	
२.	४	पशु विकास कार्यदलको उद्देश्य, गठन विधि, जिम्मेवारी एवं भूमिका	१	१
	५	आयोजनाको कार्यक्रम तजुमा एवं कार्यान्वयनमा जि.वि.स.हरूको भूमिका र जिम्मेवारी	१	
	६	सामूदायिक पशु विकास आयोजना अन्तर्गत आर्थिक प्रशासन सम्बन्धी व्यवस्था (जिल्ला, क्षेत्रीय, एवं केन्द्रीय आयोजना व्यवस्थापन)	१	
३	७	आयोजनाको कार्यक्रम तर्जमा, अनुगमन तथा मूल्यांकन व्यवस्था	१	
	८	आयमूलक पशु जन्य व्यवसाय	१	
	९	पशु जन्य व्यवसायका लागि लघुवित्त व्यवस्था	१	
		तालीमपछि गरिने कार्य योजना निर्माण र समापन	१	

Officer's Level:  
System Learning Approach Immersion Course

Training duration: 3 days	Training working days: 3
Total session: 9	Session duration: 1.5 Hour

Day	Title no.	Content	Session
1	1	Systemic Development: A Learning Approach to change	2
	2	Experiential Learning	1
2	3	Worldviews and Developmental Paradigms	1
	4	Effective Communication	1
	5	Group Dynamics	1
3	6	Systemic Approach for improving a Farming System	2
	7	Reflection and Experience sharing	1

**अधिकृतस्तरः**  
**योजना तर्जुमा तथा व्यवस्थापन तालीम**  
**(Project Planning and Management)**  
(Participants: Officers of DLS will be the participants of this training)

Training duration: 2 weeks	Training working days: 12
Total session: 36	Session duration: 1.5 Hour

Day	Session	Topics	Theory	Practical
1	1	Registration, Expectation collection, Pre-test and Overview on objectives of the training	1	
	2	Project Concept and Project Cycle	1	
	3	Problem Analysis	1	
2	1	Problem Analysis - Exercise	1	
	2	Market and Demand Analysis	1	
	3	Technical Analysis	1	
3	1	Organizational, Social and Environmental Analysis	1	
	2	Time Value of Money and Depreciation	1	
	3	Estimation of Project Costs and Benefits	1	
4	1	Financial Analysis: Balance Sheet, Income Statement, Cash Flow and Efficiency Measures	1	
	2	Financial Analysis: Balance Sheet, Income Statement, Cash Flow and Efficiency Measures-Exercise		1
	3	Economic Analysis and Valuation Techniques	1	
5	1	Project Appraisal	1	
	2	Project Appraisal-Exercise-1		1
	3	Project Appraisal-Exercise-2		1
6	1	Sensitivity Analysis of a project	1	
	2	Risk: Concept, Analysis and Minimization Techniques	1	
	3	Implementation Planning and Resource Scheduling	1	
7	1	Use of CPM and PERT in Project Management	1	
	2	PERT/CPM- Exercise	1	
	3	Concept of Monitoring and Evaluation	1	
8	1	Developing Indicators for Agricultural Projects	1	
	2	Techniques of Project Evaluation	1	
	3	Project Proposal Writing	1	
9	1	Project Report Preparation	1	
	2	Logical Framework: Concepts and Techniques	1	
	3	Preparation of Logical Framework-Exercise		1
10	1	Preparation of Logical Framework-Exercise		1
	2-3	Project Preparation - Group Work		1
11	1-3	Project Preparation - Group Work		1
12	1	Group Presentation and Discussion		1
	2	Group Presentation and Discussion		1
	3	Post-Test, Training Evaluation, Closing and certifications	1	

अधिकृतस्तरः

लैङ्गिक सचेतना र गै.स.स. अनुबन्धन तालीम

(जि.प.से.का.ह.र, तालीम केन्द्र र क्षेत्रीय पशु सेवा निर्देशनालयहरूमा कार्यरत अधिकृतहरूको लागि)

तालीम अवधि:	८ दिने	तालीम कार्य दिन:	७
जम्मा सेशन संख्या:	२१	प्रति कक्षा अवधि:	१.५ घण्टा

दिन	कक्षा	विषय	सेसन
१	१	तालिमको सञ्चालन प्रक्रिया, पूर्व परीक्षा	१
	२	लैङ्गिक अवधारणा, लैङ्गिक भूमिका, लैङ्गिक आवश्यकता	१
	३	लैङ्गिक दृष्टिकोण, लैङ्गिक समानता, समता, सकारात्मक विभेद, सामाजिक समावेशिकरण	१
२	१	स्रोत र फाइदा माथि पहुँच र नियन्त्रण, यसको विश्लेषण	१
	२	महिला सशक्तिकरण, यसका तह र सशक्तिकरण मापन गर्ने आधारहरू	१
	३	लैङ्गिक समानता तथा महिला सशक्तिकरणका लागि नेपाल सरकारले गरेका अन्तर्राष्ट्रिय प्रतिवद्धताहरू	१
३	१	लैङ्गिक संवेदनशिल नीति	१
	२	लैङ्गिक विश्लेषण र यसका विधिहरू	१
	३	लैङ्गिक मूलप्रवाहीकरणको अवधारणा रणनीति	१
४	१	लैङ्गिक मूलप्रवाहीकरणको कार्यान्वयन पक्ष	१
	२	लैङ्गिक अभिमुखि योजना तर्जुमा र कार्यान्वयन	१
	३	लैङ्गिक अभिमुखि अनुगमन र मूल्याङ्कन	१
५	१	लैङ्गिक बजेट	१
	२	लैङ्गिक परीक्षण अवधारणा र प्रक्रिया	१
	३	लैङ्गिक परीक्षणका प्रमुख तत्वहरू र यसका सहभागीतात्मक विधिहरू (औजारहरू)	१
६	१	सामूदायिक पशु विकाश आयोजनाको लैङ्गिक कार्ययोजना	१
	२	गैर सरकारी संस्थासँग साभेदारी सम्बन्धी कृषि तथा सहकारी मन्त्रालयको मार्गदर्शन र अनुबन्धन व्यवस्था	१
	३	गै.स.स./परामर्शदातृ संस्थालाई काम लगाउने आवश्यक Negotiation Skill	१
७	१	साभेदारी तथा अनुबन्धनको लागि Terms of Reference (मूल्याङ्कन मापदण्ड सहित) तयार गर्ने तरिका	१
	२	सहभागीहरूबाट आफ्नो सम्बन्धित कार्यालय वा शाखाको लागि लैङ्गिक कार्ययोजना तयारी	१
	३	तालिम मूल्याङ्कन समापन समारोह	१

Officer's Level:  
Gender, Development and NGO Partnership Training

Training duration: 8 days	Training working days: 7
Total session: 21	Session duration: 1.5 Hour

Day	SESSION- 1	SESSION -2	SESSION-3
1	<ul style="list-style-type: none"> <li>- <b>Registration</b></li> <li>- Icebreak</li> <li>- Participants' expectation</li> <li>- Overview of training,</li> <li>- Ground rules</li> <li>- Duty roaster</li> <li>-Pre-test</li> </ul>	Gender concept, gender roles, gender needs	Gender lenses, Gender equity, equality, positive discrimination and social inclusion
2	Access to and control over resources and its analysis	Women's empowerment, levels of empowerment and its indicators	International commitment of Nepal on gender equality and women's empowerment
3	Gender awareness policies	Gender Analysis and its tools	Gender mainstreaming concept and strategy
4	Gender mainstreaming application	Gender-responsive planning and implementation	Gender- responsive monitoring and evaluation
5	Gender budget	Gender Audit concept and process	Gender audit tools
6	Gender mainstreaming approach in CLDP	Prepare gender plan of action by each individual district	Negotiation skills while engaging NGOs\Consulting firms
7	MOAC guideline on partnership and contract out arrangement	Developing TOR for partnership and contract out including evaluation criteria	<ul style="list-style-type: none"> <li>-Post-test</li> <li>-Training evaluation</li> <li>- Closing</li> </ul>

**अधिकृतस्तरः**  
**फार्म व्यवस्थापन तालीम**  
**(Farm Management)**

(DLS Officers working at livestock farms /commodity programs will be the participants)

Training duration: 1 week	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

Day	Session	Contents	Total session
1	1	Registration, expectation collection, pre-test and overview on objectives of the training	1
	2	Breeding system of livestock and poultry	1
	3	Breeding strategy for genetic improvement of livestock and poultry	1
2	4	Nutrient requirement of ruminants (Dairy animals, sheep and goat)	1
	5	Nutrient requirement of non-ruminants (Pig and poultry)	1
	6	Linear programming for feed formulations	1
3	7	Introduction to farm management	1
	8	Farm planning and budgeting	1
	9	Cost of production	1
4	10	Herd projection	1
	11	Computer application for farm management	1
	12	Computer application for farm management (practical)	1
5	13	Project report preparation	1
	14	Livestock farming and environment management	1
	15	Preparation of standard operating procedures (SOPs)	1
6	16	Bio-security in livestock farms	1
	17	Disease prevention measures	1
	18	Post-test, training evaluation, closing and certifications	1

**अधिकृतस्तरः**  
**पशु अनुवांशिक श्रोत संरक्षण, सम्बर्धन तथा उपयोग तालीम**  
**(Animal Genetic Resource Conservation and Utilization)**

Training duration: 1 week	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

Day	Session	Contents	Theory	Practical
1	I	Registration of participants and expectation collection	1	
	II	Concept, importance and status of agro-bio-diversity (linking between animal and plant genetic resources)	1	
	III	National and international conventions and treaties related to agro-biodiversity (WTO/TRIPS/IPR, ABS)	1	
2	I	Funding strategic for the implementation of global plan of action for AnGR	1	
	II	Methods of categorizing species/breeds in relation to conservation	1	
	III	Description of endangered and economically important species/breeds	1	
3	I	Management of AnGR (community base management, best practices ( incentives measures for sustainable use and conservation of agro-biodiversity)	1	
	II	Methods/strategies for conservation of endangered species/breeds	1	
	III	Methods/strategies for conservation and improvement of economically important species/breeds (including value addition, promotional activity etc)	1	
4	I	Introduction of animal biodiversity and current status of AnGR diversity	1	
	II	National and international policies, laws and initiatives for AnGR policies including approaches and legal framework	1	
	III	Programs for maintaining/improving the productivity of different AnGR including breeding strategies for sustainable management of AnGR	1	
5	I	The state of the art in the management of animal	1	



		genetic resources. Methods for characterization of AnGR (methods for genetic improvement, methods for economic valuation of AnGR, methods for conservation)		
	II	Domestic animal biodiversity information system and livestock diversity and climate change	1	
	III	The global plan of action for animal genetic resources including 4 strategic priorities areas and implementation and financing of global plan of action for AnGR	1	
	III	Post-test, training evaluation, closing and certifications	1	

Officer's Level:  
Animal Health Risk Analysis Training ( 7 days)

Training duration: 8 dys	Training working days: 7
Total session: 21	Session duration: 1.5 Hour

Day	Subject	Theory	Practical
1	I. Registration, Introduction, objectives, Administration matter	1	
	II. Introduction of Risk Analysis	1	
	III. General characteristics and requirements of Risk Assessment		
2	I. Import risk Analysis/assessment		
	II. Import risk assessment Exercise		1
	III. Risk release assessment	1	
3	I. Risk Estimation -I		
	II. Import Risk assessment Exercise		1
	III. Risk estimation technique		
4	I. Qualitative Risk Estimation		
	II. Qualitative Risk Estimation exercise		1
	III. Food safety and Inspection: Import procedures for livestock and livestock products		
5	I. Assessing the risk of introduction of Bird flu into Nepal		
	II. Risk assessment of a given topic		
	III. Hazard identification and control points in the primary production		
6	I. Introduction, frameworks and implementation of Risk Management		
	II. Case study on Risk Management		1
	III. Case study on Risk Management...		
7	I. Introduction, concept and frameworks of the risk communication		1
	II. Simulation exercise on Risk communication		
	III. Post test and closing		

**अधिकृतस्तरः**  
**सेवा प्रवेश तालीम**  
**(Basic Induction)**

Training duration: 7 days	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

Day	Session	Topics	Theo.	Pract.
1	1	Registration, Pre-test and Training objective	1	
	2	History of livestock development in Nepal and present organizational structure and functions of DLS	1	
	3	Livestock products processing and marketing programs; strategies, programs and achievements (basic requirements for live animal market, meat and dairy business establishment)	1	
2	1	Livestock development programs under Directorate of Animal Production (growth axis, youth employment etc)	1	
	2	Domestic animal genetic resource conservation and utilization in Nepal (Global plan of actions and Nepal's commitment)	1	
	3	Devolution of livestock extension programs and roles of DLSONs and RDLS	1	
3	1	Livestock development policies and strategies; (Policies, strategies in different plans (Tenth plan, TYIP and TYP) and programs	1	
	2	Strengthening Animal quarantine system in the context of WTO-SPS requirements	1	
	3	Animal health programs under DLS (National PPR control, Veterinary public health, biological production, Bird flu)	1	
4	1	Experiences on pasture and forage development in Nepal; TLDP, CLDP, Himalayan Pasture, Northern Areas Pasture development	1	
	2	Cooperatives concepts and livestock sector	1	
	3	AICP objectives, components and achievements	1	
5	1	Animal breed improvement strategies of DLS (Dairy cattle improvement, Goat resource centers development)	1	
	2	Financial management (major provisions of public procurement act, regulation and minimize financial irregularities; Beruju)	1	
	3	Climate change concepts and livestock sector	1	
6	1	Regulations of import and export of veterinary drugs, biological and animal products	1	
	2	Livestock training and extension programs existing norms	1	
	3	Administrative management (governance act, civil services acts and regulations)	1	
		Post test and Certification		

**अधिकृतस्तर (रा.प.तृ.बिशेष बहुवा):**  
**पशु सेवा कार्यक्रम तर्जुमा तथा व्यवस्थापन तालीम**  
**(Livestock Program Planning and Management)**

Training duration: 1 week	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

Day	Session	Subject	Theory	Practical
1	1	Registration, briefing and expectation collection	1	
	2	Animal health programs; priorities, updating of guidelines, norms and acts, regulations/order	1	
	3	Animal production programs under Directorate of animal production; updating of guidelines, norms	1	
2	1	Animal genetic resources conservation and utilization in Nepal and Global Plan of Action	1	
	2	Experiences on livestock insurance program in Nepal	1	
	3	Livestock development policies, strategies and priorities in Three Year Plan	1	
3	1	Dairy cattle improvement approach and genetic improvement of dairy herd	1	
	2	Goat resources center development at community level	1	
	3	Participatory bottom-up planning process operational guidelines	1	
4	1	Concept of Sub-sector analysis/Value Chain Approach	1	
	2	Value chain analysis		1
	3	National Adaptation Program of Action and Climate change adaptation on agriculture	1	
5	1	Livestock processing and marketing programs; operational guidelines, norms and procedures	1	
	2	Leasehold Forestry and Livestock Programs; experiences and lesson learnt	1	
	3	CLDP experiences on livestock services planning and management; partnership, promotion of veterinary and AI services, gender mainstreaming and forage resources center	1	
6	1	Minimizing financial irregularities and major provision of Public Procurement Act and Regulation	1	
	2	Major provisions of the Good Governance Act and Regulations	1	
	3	Platform Skills; making presentation effective		

## Officer's Level: Entrepreneurship Development and Business Planning Training

Training duration: 1 week	Training working days: 6
Total session: 18	Session duration: 1.5 Hour

### Day 1

Session	Training topic	Content	Methods & Materials
	Purpose of the training, design code of conduct for the training, leveling Expectations	Collect participants' expectations from the training. Explain the purpose of the training	Name tags, sharing and discussion
<b>First</b>	Analysis of entrepreneurial attributes	Understanding the concept, and characteristics	Comparative Illustrations, discussion Meta cards,
<b>Second</b>	Risk taking ability	Understand different levels of risks- high, medium risk and low. Identify own risk taking ability	Ring, peg, flip chart, board markers
<b>Second</b>	Goal setting exercise	Understand different levels of goals & need to set realistic goals	match boxes, flip chart,
<b>Third</b>	Group entrepreneurship	Understand different level of entrepreneurship -individual and group.	Simulation exercise, group and individual tasks, paper, scissors, glue, crayons, card boards, rulers
<b>Third</b>	summarize day events/session/concerns/ queries	Check the understanding	Discussion, resolve concerns

## Day 2

Session	Training Topic	Content & Activities
First	Motivation- entrepreneurial motivation	Understand different level of motivation influencing human being– power, affiliation and achievement oriented motivation.
First	Analysis of successful and failed business	Understand the features of successful and failed businesses. Reflect upon the entrepreneurial characteristics
Second	Business project killers	Identify, understand and internalize controllable and uncontrollable business environment.
Second	Steps for Business project development plan	Understand the different steps and stages required for developing business plans
Third	Sources of information for businesses	Understand the importance of information, their sources and application in enterprises
Third	Understanding and using marketing for service providers	Strengthen marketing concept, understand market opportunities and strategies
	Summarize day session	Check the participants' understanding

## Day 3

Time	Training Lessons	Content & Activities
First	Marketing in action- An experiential exercise	Share day-to-to experience on marketing
First	Government Rules and regulation for small business	Understand government rules and regulations relating to small enterprises
Second	Financial rules and regulations	Understand financial rules and regulation related to small enterprises
Second	Steps for business plan preparation	Understanding essential steps for business planning
Third	Identification of enterprises for a sample business plan	After discussion select one practical example (e.g. small dairy) for doing an exercise.
Third	As above	As above
	Summarize day session	Check the participants' understanding

### Day 4

Time	Training Topic	Content & Activities
First	Business plan- Prepare a draft of Market Description	Prepare a fact sheet, based upon which subsequent work relies.
First	Business plan- collect preliminary information about Production Plan (fixed capital items, fixed costs)	Understand the processes of production, requirements of fixed capital and costs etc
Second	Business plan- prepare preliminary draft on Production Plan	Prepare a fact-sheet on various fixed capital items and determine fixed costs
Second	Business Plan- collect preliminary information on Variable Costs and Working Capital	Collect information on various items of variable costs, and their cycle.
Third	Business plan- prepare a draft on Variable Costs and Working Capital	Prepare a fact-sheet on variable costs items, and determine working capital
Third	Business plan- Understand and Determine Sources of Fund and Loan Repayment Schedule	Prepare a realistic fact-sheet on different sources of fund and loan repayment schedule.
	Summarize day session	Check the participants' understanding

### Day 5

Time	Training Lessons	Content & Activities
First	Business plan- prepare a draft of Production Cost	Prepare annual production cost by collating information from relevant fact-sheet
First	Business plan- Determine Unit Selling Price and Sales Revenue	Explain method to determine annual production (sales) and expenses and on that basis determine the unit selling price. Determine profit margin for each unit
Second	Business plan- Determine Profit and Loss, Break-even-point and Return-on-Investment and other financial indicators.	Calculate profit and losses based on previous exercise and do a basic financial analysis. Explain the importance of BEP and ROI in business/enterprise
Second	Business Plan- Practice by participants to prepare a business plan	Individual task and facilitation by trainers as and when required
Third	Business Plan- Practice by participants to prepare a business plan	Individual task and facilitation by trainers as and when required
Third	Business Plan- Practice by participants to prepare a business plan	Individual task and facilitation by trainers as and when required
	Summarize day session	Check the participants' understanding

### Day 6

<b>Time</b>	<b>Training Lessons</b>	<b>Content &amp; Activities</b>
First	Business Plan- Practice by participants to prepare a business plan	Individual task and facilitation by trainers as and when required
First	Business Plan- Practice by participants to prepare a business plan	Individual task and facilitation by trainers as and when required
Second	Business Plan- Practice by participants to prepare a business plan	Individual task and facilitation by trainers as and when required
Second	Business Plan finalization	
Third	Business Plan- finalization	Individual task and facilitation by trainers as and when required
Third	Business plan finalization	Fill the information and facts in the formats provided
Third	Presentation and Certification	Participants highlight the main features of their business plan and action plan, Highlight about the achievement of the training



**अधिकृतस्तरः**  
**जैविक सुरक्षा तालीम (३ दिने)**  
**(Bio-security Training)**

तालीम अवधि:	३ दिने	तालीम कार्य दिन:	३
जम्मा सेशन संख्या:	१२	प्रति कक्षा अवधि:	१.५ घण्टा

क्र.सं.	विषय	कक्षा	
		सैद्धान्तिक	व्यवहारिक
१.	जैविक सुरक्षाको अवधारणा, महत्व र मापदण्डहरू	१	
२.	पंक्षी फार्ममा जैविक सुरक्षा अपनाउने विधिहरू	१	
३.	पंक्षी ढुवानी तथा पंक्षी बजारमा जैविक सुरक्षा व्यवस्थापन	१	
४.	पंक्षी वधशाला र मासु पसलको जैविक सुरक्षा व्यवस्थापन विधि	१	
५.	अवलोकन भ्रमण: (क) पंक्षी फार्म व्यवस्थापन (ख) पंक्षी बजार व्यवस्थापन (ग) पंक्षी वधशाला र मासु पसल व्यवस्थापन		४
६.	मरेको र मारिएको पंक्षीहरू तहलगाउंदा तथा नष्ट गर्दा ध्यान पुऱ्याउनु पर्ने व्यवस्थापन विधि	१	
७.	नमूना संकलन गर्दा र प्रयोगशालामा नमूना परिक्षण गर्दा अपनाउनु पर्ने ह्योसियारी	१	
८.	अवलोकन भ्रमणबाट प्राप्त सूचनाहरूको छलफल, विश्लेषण निष्कर्ष र प्रस्तुती		२

**अधिकृतस्तरः**  
**पशु प्रजनन तथा कृत्रिम गर्भाधान (पुनर्ताजगी) तालीम**  
**(Animal Breeding and Artificial Insemination- Refresher)**

तालीम अवधि:	७ दिने	तालीम कार्य दिन:	६
जम्मा सेशन संख्या:	२४	प्रति कक्षा अवधि:	१.५ घण्टा

क्र. स.	विषय	कक्षाहरु	
		सैद्धान्तिक	ब्यवहारिक
१	रजिष्ट्रेशन, अपेक्षा संकलन, कार्य योजना तथा पूर्व परीक्षा	१	
२	कृत्रिम गर्भाधान : नेपालमा यसको अवस्था र कमजोर पक्ष AI: Its prospects and constraints in Nepal	१	
३	नेपालमा पशु प्रजनन नीती पशु अनुवाशिकको विश्व कार्य योजना वारे जानकारी Animal Breeding policy in Nepal and Global Plan of Action of AnGR	१	
४	वंशावलीमा आधारित क्षमताको अभिलेख र सन्तति परिक्षणको आधारमा गरिन छनौटका वयवहारिक जानकारी PPRS and Progeny testing	१	
५	नविनतम प्रविधि: एककालिक ऋतुचक्र र हर्मनहरुको प्रयोग गरी गाईहरुको प्रजनन क्षमतम वृद्धि Latest Technology in Heat Synchronization	१	
६	कृत्रिम गर्भाधानमा भुण प्रत्यारोपन, लैङ्गिक गुणयुक्त विर्यको प्रयोग जस्ता उपयोगी प्रविधि Embryo Technology, Sexed semen and like technology	१	
७-८	पोथी प्रजनन अंगको प्रदर्शन		२
९	ऋतुचक्र र भाले खोज्दा देखाउने लक्षणहरु, मलद्वारद्वारा प्रजनन अंगको स्पर्श र गर्भ परिक्षण विधि Estrous cycle, signs of heat, rectal palpation and pregnancy diagnosis.	१	
१०	कृत्रिम गर्भाधान विस्तार : घुम्ति सेवा, सामुदायिक पशु प्रजनन केन्द्र स्थापना र संचालन Concept of Expansion of AI : Mobile/CLBC of A.I. Service	१	
११-१२	कृत्रिम गर्भाधान अभ्यास Artificial Insemination Practical exercise		२
१३	प्रजनन प्रणलीको विकृति र यसको उपचार	१	

क्र. स.	विषय	कक्षाहरु	
		सैद्धान्तिक	व्यवहारिक
	Reproductive disorder and corrective measures		
१४	उपयुक्त पशु प्रजनन् व्यवस्थापन :मौसम परिवर्तनका कारण गर्भाधान दर, प्रजनन् तथा उत्पादन क्षमतामा देखिने प्रभाव र गर्भाधान दरमा असर पार्ने अन्य कारणहरु Suitable livestock breeding management : Factors related to conception rate & reproduction, climate change effect on breeding pattern	१	
१५-१६	कृत्रिम गर्भाधान अभ्यास Artificial Insemination Practical exercise		२
१७	दगो विकासको लागि कृषि र पशु वइवस्थापन एक जपननिज प्रविधि वारे जानकारी Animal Agriculture for Sustainable Rural Development : Role and Responsibilities of Manager/Supervisor in Animal Breeding	१	
१८	कृत्रिम गर्भाधानमा नीजकरण सेवाको स्थिती : कहाँ, कहिले र कसरी Privatization of AI services: Where, When and how	१	
१९	वीर्य संकलन, प्रशोधन र जमेको विर्यको प्रयोग र मुल्याङ्कन सम्बन्धि जानकारी Semen collection, processing, handling and evaluation		१
२०	तरल नाईट्रोजन र कृत्रिम गर्भाधानमा प्रयोग हुने उपकरणको न्ययोचित प्रयोग Judicious use of liquid nitrogen and AI equipment		१
२१	कृत्रिम गर्भाधान कार्यमा अनुगमन र मुल्याङ्कन साथै अभिलेखको महत्व र आवश्यकता M and E : System of AI monitoring and record keeping	१	
२२	जिल्लामा कृत्रिम गर्भाधान सेवाको लागि योजना, अनुगमन र व्यवस्थापन Planning, Monitoring & management of AI service in district.	१	
२३	कृत्रिम गर्भाधान शिप मुल्याङ्कन अभ्यास		१
२४	सहभागीहरुको अन्तिम परीक्षा, अन्तरक्रिया,कार्य योजना प्रस्तुती, प्रमाणपत्र वितरण तथा तालीमको समापन	१	