

**Annex AGRI. - 4**

**ENHANCING DOMESTIC ANIMAL PRODUCTION**

**Sector: Agriculture**

**Sub sector: Animal disease control and animal production**

**Activity Restoration of an adequate diagnostic and operational capacity in the veterinary services to enhance the efficiency of existing distribution system .**

**Priority within the sector: HIGH**

**A- Veterinary Pharmaceuticals**

<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00001	Vitamins, minerals and amino acids high conc. W.S.P. contains:(A, D3, E, C, B1, B2, B6, B12, k3, folic acid, Manganese, Zinc, Iron, Cobalt, Potassium, Calcium, Nicotinamid, Methionine, Lysine, Glutamic acid, Cystin, Valine, Tyrosine, Aspartic acid, Histidine, proline, Seirene, Trvptophane.	1 kg	100 000 kg
05-04-00002	Enrofloxacin 10% (Liquid), each 1 ml. Contain: 100mg enrofloxacin	1/2 lit	60 000 lit.
05-04-00003	Ciprofloxacin 10%(Liquid), each 1 ml. Contains: 100 mg ciprofloxacin .	1/2 lit	50 000 lit.
05-04-00004	Spiramycin hydrochloride 20% W.S.P. (Spiramycin as a base 20%).	1/2 kg	15 000 kg
05-04-00005	Oxytetracycline LA 20%	Bott. 100c.c.	50 000 bott.
05-04-00006	each 100 gm contains : 20 gm amoxicillin as a base	1/2 kg	25 000 kg
05-04-00007	Neomycin sulphate W.S.P Each 1gm contains 300mg Neomycin as a base	1/2 kg	30 000
05-04-00008	Doxycyclin 20% as a base W.S.P.	1/2 kg	20 000 kg
05-04-00009	Product for treatment of phosphorus deficiency	Doses	5000 dose
05-04-00010	Tylosin as a base W.S.P.,each 114-118 gm contains: Tylosin 100gm Tartrate 14-18 gm	pack of 114-118 gm	150 000 pack
05-04-00011	Vit C 25% W.S.P	1 kg	50 000 kg
05-04-00012	Coccidiostat feed additive (Salionmycine)	5 kg	50 000 kg
05-04-00013	Feed additive (premixes) contains:Vitamins, minerals & amino acids as combination	10 kg	40 000 kg
05-04-00014	Vit. E and Selenium W.S.P.each 1 kg contains:Vit. E:50-100 gm, Selenium 2 gm	1 kg	25 000 kg
05-04-00015	Amprolium hydrochloride 60% W.S.P	1 kg	90 000 kg
05-04-00016	Diuretic for poultry Methenamine each 100 gm contain:99% 100% Methenamine	1 kg	10 000 kg
05-04-00017	Vitamine AD3E each 1 kg contains:Vit. A: 100 000 000 IU,Vit D3: 50 000 000 IU,Vit. E : 40 gm	1 kg	140 000 kg
05-04-00018	Phenol derivative	Gallon 5 lit	15 000 gallon
05-04-00019	Iodophore (1.8 free iodine)	Gallon 5 lit	25 000 gallon
05-04-00020	Pot. Permanganate	5 kg	50 000 kg

05-04-00021	General tonic injectable contains:A, D3, E, C, B1, B2, B6, B12, Vit. K, Calcium, pantothenate, phosphorus, Mag. Iron, Copper, Cobalt, Nicotinamide, Choline and other essential elements.	Bott. 100 C.C.	25 000 Bott.
05-04-00022	Ivermectin 1% inj.	Bott. 50 C.C.	100 000 bott.
05-04-00023	Synthetic pyrethroid, pour on formula	Bott. 500 C.C.	30 000 bott.
05-04-00024	Fly insecticide	Pack 1/2kg	20 000 Kg
05-04-00025	Lick block , each block contains :Sodium, phosphorus, mag. , cobalt, iodine, mang., zinc, Iron, selenium, calcium & copper	Block, 5 , 10 Kg	40 000 + 30000
05-04-00026	Rodent poison	Pack 25 gm	20 000 kg
05-04-00027	Ointment for topical application contains :Camphor, menthol, boric acid, salicylic acid, zinc oxide, methyl salicylate, turpentine oil	Pack 100 gm	5000 pack
05-04-00028	Calcium borogluconate 20-30%	Bott. 250 C.C.	4000 Bott
05-04-00029	Amoxycillin trihydrate injectable each ml contains :150 mg amoxycillin	Bott. 100 C.C.	15 000 Bott.
05-04-00030	Sterile powder contains :-Procaine benzyl penicillin 2 250 000 IU,Sodium benzyl penicillin 750 000 IU,Dihydrostreptomycin sulphate 1 gm vials	1 gm vials	50 000 vials
05-04-00031	Kanamycin sulphate each ml contains : 100 mg kanamycin.	Bott. 100 C.C.	10 000 Bott.
05-04-00032	Levamisole hydrochloride 1.5-3% and oxytoclozanide 3-6% (suspension)	1 lit	150 000 lit
05-04-00033	Oxfendazole 2.265% (suspension) or Al-bendazole 2.5% (suspension)	1 lit	150 000 lit
05-04-00034	Rafoxinide 3% Or tricloabendazol (suspension)	1 lit	150 000 lit
05-04-00035	Cypermethrin (Hi-cis)10% liquid or Deltamethrine 5% liquid (An emulsifiable con: Cypermethrine stability 2 years minimum under normal condition and tightly sealed and pack in Aluminum container sealed.	Gallon 5 lit	60 000 gallon
05-04-00036	Trimethoprim and sulphamethoxine inj. Each 1ml contains Trimethoprim 80 mg Sulphamethoxine 400 mg	Bott. 100 c.c.	15 000
05-04-00037	Tylosin 20% inj.	Bott. 100 c.c.	15 000
05-04-00038	Anti-inflammatory agent (steroid inj. Sol.	Bott. 100 c.c	5 000 bott.
05-04-00039	Treatment for tempy & bloat each 100 ml contains - Silicon methyl, - Peppermintol, - Trypentin oil, - Yanson oil	Bott. 100 c.c	100 000 bott.
05-04-00040	Treatment for mastitis (ointment) each tube containing one antibiotic or as combination with other antibiotics.	5 , 10 Gm 4 tub pack	60 000 , 70 000
05-04-00041	Buparvaquine 5% inj.	Bott. 50 c.c.	5 000 bott.
05-04-00042	Gentamycin 4-8% inj.	Bott. 100 c.c	20 000 bott.
05-04-00043	Niclosamide tablets each tab. Contains 200mg niclosamide .	Pack 10 tab	15 000 tab.
05-04-00044	Treatment for diarrhea	1 kg	10 000 kg
05-04-00045	Metamisole 50% inj	Bott. 100 c.c	60 000 bott.
05-04-00046	Erythromycin inj. Each 1 ml contains 200mg erythromycin as abase	Bott. 100 c.c	25 000 bott.
05-04-00047	Diminazine aceturate each 1 ml contains 1.05 gm diminazine aceturate >	Sachet 1 dose	5000 sachet
05-04-00048	Niclosamide powder	100 gm	50 000 pack
05-04-00049	Diuretic inj. For large animals	Vial 10 C.C.	5000 vil
05-04-00050	Eye ointment	Tube	30 000 tube
05-04-00051	Wound spray each 1 ml contains: Oxytetracycline hydrochloride 40 mg,Gention violet 4 mg	Bott. 200 C.C.	10 000 bott.
05-04-00052	Melarsomine 50 mg/vial	2ml	1000 vial

05-04-00053	Sterile powder contains :-Procaine benzyl penicillin 750 000 iu,Sodium benzyl pencillin 250 000 iu,Dihydrostreptomycin sulphate 1g /vial	Vial 1 gm	30 000 vial
05-04-00054	Anticolic for horses contains:Light kaolin,Paraffin oil,Tr. Chlorodyne,Aromatic ammonia	Bott. 1 lit.	1000 bott
05-04-00055	Ointment for external use contains:Camphor, Phenol,Menthol,Paraffin oil,Belladona	200 gm pack	2000 pack
05-04-00056	Oxytocine hormone	Bott 30 C.C	10 000 bott.
05-04-00057	FSH hormone	Vial 10 C.C.	20 000 vial
05-04-00058	Gonadotrophic hormone	Vial 10 C.C.	20 000 vial
	<b>B- Veterinary Vaccines</b>		
<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00059	A. Inactivated vaccine in oil adjuvant against Infectious Bronchitis strain 52, Newcastle disease, and Egg-drop syndrome in poultry.	Bott. 500 ml	10 000 000 dose
05-04-00060	A.Live vaccine against Gumboro disease in [poultry (intermediate AND/OR intermediate plus), B. Live attenuated vaccine against Newcastle disease (Lasota).C. Live attenuated vaccine against Newcastle disease (B1) Hitchner	300 000 000 dose for each	for A , B , C
05-04-00061	Live vaccine against Infectious Bronchitis (IB strain H52)	vial 1000 dose	2 000 000 dose
05-04-00062	Live vaccine against Infectious Bronchitis (IB 120)	vial 1000 dose	2 000 000 dose
05-04-00063	A) Foot and Mouth disease vaccine, purified vaccine with adjuvant. (Type: A22, O1 and Asia1).B) Foot and Mouth disease vaccine, purified vaccine with adjuvant.(Type: A Iran 96).	2 500 000 dose for A	250 000 for B
05-04-00064	Vaccine against Clostridial disease containing:- Cl. Perfringes type: A, B, C, and D., - Cl. Novyi type B. (Oedematous) and D., - Cl. Septicum .	Vial	6 000 000 Dose
05-04-00065	Live attenuated vaccine against PPR (Certified)	Vial	3 000 000 dose
05-04-00066	Inactivated vaccine against Infectious Bovine Rhinotrachitis (IBR).	Vial	30 000 dose
05-04-00067	A) live vaccine against fowl Pox, B)Vaccine against Hydropericardium Hepatitis Syndrome (H.H.S.)	10 000 000 dose for A	300 000 000 for B
05-04-00068	Frozen bivalent live vaccine against Mark's disease (Rispenes + HVT) in poultry.	Vial	4 000 000 dose
05-04-00069	Pentadog vaccine contains: Canine distemper, Canine parvoviral, Canine hepatitis, Rabies virus and leptospira.	Vial	15 000 dose
05-04-00070	Live attenuated Theileria vaccine	Vial	50 000 dose
	<b>C- Chemical &amp; Biological materials</b>		
<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00071	Agar – agar	250 kg	
05-04-00072	Beef extract	60 kg	
05-04-00073	Ethanol AnalaR	150 x 2.5 lit.	
05-04-00074	Ethanol special for chromatography	10 x 2.5 lit	
05-04-00075	Methanol AnalaR	150 x 2.5 lit	
05-04-00076	Methanol special for chromatography	10 x 2.5 lit	
05-04-00077	Ethanol AnalaR	150 x 2.5 lit	
05-04-00078	Ethanol special for chromatography	10 x 2.5 lit	

05-04-00079	Acetone AnalaR	150 x 2.5 lit	
05-04-00080	Acetone special for chromatography	10 x 2.5 lit	
05-04-00081	Tryptic soy agar	200 kg	
05-04-00082	Peptone	300 kg	
05-04-00083	Hoktoen Enteric Agar	500 g X 5	
05-04-00084	Desoxy cholate Agar	500 g X 5	
05-04-00085	PalacAm Medium Base	500 g X 5	
05-04-00086	Crystal violet stain powder	20 x 100gm	
05-04-00087	Rose bengal powder technical dye (water & alcohol soluble)	50 x 100gm	
05-04-00088	TCBS Agar	500 g X 5	
05-04-00089	Rivanol powder	10 x 250 gm	
05-04-00090	Sodium iodate NaIO <sub>3</sub> H <sub>2</sub> O GPR	20 x ½ kg	
05-04-00091	Ammonium aluminum sulfate (NH <sub>4</sub> Al(SO <sub>4</sub> ) <sub>2</sub> .12H <sub>2</sub> O)	20 x ½ kg	
05-04-00092	Polymyxin B	10 x 100 gm	
05-04-00093	Bacitracin	10 x 100 gm	
05-04-00094	Actidion (Cyclohexamide)	20 x 100 gm	
05-04-00095	Basic fuchsin	40 x 25 gm	
05-04-00096	Malachite green powder	40 x 25 gm	
05-04-00097	Brilliant green powder	20 x 25 gm	
05-04-00098	Lactic acid 85%	100 x 1 lit.	
05-04-00099	Thiophen-2 carboxylic acid hydrazid (TCH)	500 gm	
05-04-00100	Lowenstib medium base (Difco 0444)	20 x ½ kg	
05-04-00101	Middle brook's 7H-10 agar base	40 x ½ kg	
05-04-00102	Middle brook's 7H-10 agar broth	40 x ½ kg	
05-04-00103	Dubos broth base	20 x ½ kg	
05-04-00104	Sauton medium	20 x ½ kg	
05-04-00105	Ferric ammonium citrate	8 x 250 gm	
05-04-00106	Violet Red bile Agar	500 g X 5	
05-04-00107	Compylobacter Agar Kit Blaser	6 X 1 liter	
05-04-00108	Potassium sulfate	20 x 100 gm	
05-04-00109	Magnesium citrate	10 x 250 gm	
05-04-00110	Magnesium sulphate MgCl <sub>2</sub> AnalaR	10 x 250 gm	
05-04-00111	Calcium chloride CaCl <sub>2</sub> AnalaR	20 x ½ kg	
05-04-00112	Sodium hydrogen carbonate NaHCO <sub>3</sub> AnalaR	20 x ½ kg	
05-04-00113	Xylol AnalaR	200 x 1 lit.	
05-04-00114	Phosphoric acid	20 x 2.5 lit	
05-04-00115	Sulphuric acid AnalaR sp. gr. 1.84	20 x 2.5 lit	
05-04-00116	Polysorbate 80 (Tween 80)	4 x 250 gm	
05-04-00117	Ferric chloride AnalaR	20 x 1 lit.	
05-04-00118	Glacial acetic acid AnalaR	20 x 1 lit.	
05-04-00119	Chloroform	20 x 1 lit.	
05-04-00120	Phosphate tengetic acid	2 x 250 gm	
05-04-00121	Nitric acid (HNO <sub>3</sub> =61.01) AnalaR	20 x 2.5 lit.	
05-04-00122	Perchloric acid	20 x 2.5 lit.	
05-04-00123	Potassium dichromate	10 x 1 kg	
05-04-00124	Anti-bovine IgG – HRP conjugate	60 vials	
05-04-00125	Anti-sheep IgG – HRP conjugate	60 vials	
05-04-00126	OPD	100 vials	
05-04-00127	Hemolysin	100 vials	
05-04-00128	Complement	100 vials	
05-04-00129	Brucella phages	15 vials	
05-04-00130	(ISAB) international serum antibrucella abortus (Standard)	20 vials	
05-04-00131	Johin test set	25 set	
05-04-00132	Brucelloslide test (Biomerieux)	50 vials	

05-04-00133	Potassium Tellurite	14 x 250 gm	
05-04-00134	Compylobacter Agar Kit Skirrow	6 X 1 liter	
05-04-00135	EZ coli Rapid Detection system	60 test X 5	
05-04-00136	Disodium monohydrogen phosphate Na <sub>2</sub> HPO <sub>4</sub> .7H <sub>2</sub> O AnalaR	20 x 250 gm	
05-04-00137	Disodium monohydrogen phosphate Na <sub>2</sub> HPO <sub>4</sub> (Anhydrouse) AnalaR	20 x 250 gm	
05-04-00138	Potassium dihydrogen phosphate KH <sub>2</sub> PO <sub>4</sub> AnalaR	20 x 250 gm	
05-04-00139	Sodium chloride NaCl AnalaR	20 x 250 gm	
05-04-00140	Potassium chloride KCl AnalaR	20 x 250 gm	
05-04-00141	Magnasium sulphate heptahydrate MgSO <sub>4</sub> AnalaR	20 x 250 gm	
05-04-00142	Sodium dihydrogen orthophosphate NaH <sub>2</sub> PO <sub>4</sub> .2H <sub>2</sub> O GPR	20 x 250 gm	
05-04-00143	Calcium chloride CaCl <sub>2</sub> . 2H <sub>2</sub> O technical use flakes	20 x 250 gm	
05-04-00144	Disodium phosphate Na <sub>2</sub> HPO <sub>4</sub>	20 x 250 gm	
05-04-00145	Lactalbumine hydrolysate	40 x ½ kg	
05-04-00146	TCY estate (Difco)	10 x 500 gm	
05-04-00147	Phenol red sodium salt	30 x 25 gm	
05-04-00148	Trypsin (1:250) (Difco)	30 x 25 gm	
05-04-00149	Chlamydia Direct FA Reagent	30 test X 5	
05-04-00150	Mycostatin (mystatin) for cell culture	200 vials (500 000 IU)	
05-04-00151	Trypan blue	30 x 25 gm	
05-04-00152	Haemocytometer (Neubor)		25
05-04-00153	Dimethulsulphoxide (DMSO)	5 x ½ lit	
05-04-00154	Coagulase plasma EDTA (Rabbit)	6 X 25 ml	
05-04-00155	Dry slide – product 1- Dry slide – indole 2- Dry slide – Beta lactamase 3- Dry slid- oxidase test 4- Dry slide – Pyrkit	75 slide X 10	
05-04-00156	Carbol fuchin powder (GURR) for microscopical staining	40 x 25 gm	
05-04-00157	Carbol fuchin Ziehl-Neelsen (Strong) (GURR) for microscopical staining	40 x 100 ml	
05-04-00158	Tween 20	2 x 250 gm	
05-04-00159	Reference electrolyte for PH meter	25 vilas	
05-04-00160	Antitoxin of Cl. Perferengis type (A, B, C, D & E)	5 vials	
05-04-00161	Antitoxin of Cl. Novyi type (A &B).	5 vials	
05-04-00162	Antitoxin of Cl. Chuvoei	5 vials	
05-04-00163	Antitoxin of Cl. Septicum	5 vials	
05-04-00164	Gas pack	500 sachets	
05-04-00165	Fetal calf serum	20 x 500 ml	
05-04-00166	Blood agar base	30 x 250 gm	
05-04-00167	Macconkey agar	20 x 250 gm	
05-04-00168	S. S. agar (Salmonella & Shegelle agar)	20 x 250 gm	
05-04-00169	Tryptic soya broth	20 x 250 gm	
05-04-00170	Amies medium - single & Twin	(10 X 50 unit) X 100 packets	
05-04-00171	Selient broth	20 x 250 gm	
05-04-00172	PPD bovine type (Bovine tuberculin)	2500 vials	
05-04-00173	Urease Agar	30 x 250 gm	
05-04-00174	Millur hinton agar	20 x 250 gm	
05-04-00175	Meat broth	20 x 250 gm	
05-04-00176	Staph 110	10 x 250 gm	
05-04-00177	PPD Avian type (Avian tuberculin)	2500 vials	
05-04-00178	Hyperimmune serum (rabbit) for PPR	25 vials	
05-04-00179	Salicine	10 x 250 gm	
05-04-00180	D- glucose	20 x 250 gm	

05-04-00181	PPR virus antigen as positive control for PPR AGID test.	25 vials	
05-04-00182	Modefied gram stain	30 x 25 gm	
05-04-00183	MEM (manimum essential medium)	200 x 100 gm	
05-04-00184	Agarose	20 x 100 gm	
05-04-00185	PPLO agar	40 x 100 gm	
05-04-00186	PPLO broth	40 x 100 gm	
05-04-00187	Mycoplasma agar base	40 x 100 gm	
05-04-00188	Mycoplasma broth base	40 x 100 gm	
05-04-00189	1-2 dioxan	2 x 1 lit	
05-04-00190	Phenolphthalen	100 gm	
05-04-00191	1- naphthalenzein	100 gm	
05-04-00192	Nutrient Agar	50 x 500 gm	
05-04-00193	2,4 – dichlorophenol indophenol	100 gm	
05-04-00194	Mercuric acetate	4 x 250 gm	
05-04-00195	Potassium iodate	20 x 250 gm	
05-04-00196	Potassium bromide	20 x 250 gm	
05-04-00197	Trisodium orthophosphate	20 x 250 gm	
05-04-00198	Sodium silicotungstate	20 x 250 gm	

### D- Diagnostic Kits

Code	Item Description and its complementary items (if applicable)	Packing & quantity	
05-04-00199	Elisa kit for Brucellosis	5 kit = 5000 sera /kit	
05-04-00200	Elisa kit for Tuberculosis	5 kit = 5000 sera /kit	
05-04-00201	Elisa kit for EHD (Epizootic Heamoragic disease of deer).	5 kit = 1000 sera /kit	
05-04-00202	Elisa kit for Gumboro	10 kit = 5000 sera /kit	
05-04-00203	Elisa kit for IB	10 kit = 5000 sera /kit	
05-04-00204	Elisa kit for RP	5 kit = 5000 sera /kit	
05-04-00205	Elisa kit for IBR	5 kit = 5000 sera /kit	
05-04-00206	Elisa kit for Mark's disease	5 kit = 1000 sera /kit	
05-04-00207	Elisa kit for FMD (A, O, Asia).	10 kit = 5000 sera /kit	
05-04-00208	Elisa kit for PPR	5 kit = 5000 sera /kit	
05-04-00209	Elisa kit for avain influenza	2 kit = 1000 sera /kit	
05-04-00210	Elisa kit for Newcastle disease	10 kit = 5000 sera /kit	
05-04-00211	Elisa kit for infectious laryngiotrachitis.	10 kit = 5000 sera /kit	
05-04-00212	Elisa kit for avian encephalomylites.	10 kit = 5000 sera /kit	
05-04-00213	Elisa kit for Mycoplasma gali septicum & synovi.	20 kit = 5000 sera /kit	
05-04-00214	Elisa kit for bovine leukemia	2 kit =1000 sera /kit	
05-04-00215	Elisa kit for malignant cattahril fever	5 kit = 1000 sera /kit	
05-04-00216	Elisa kit for rota virus & corona virus	5 kit = 1000 sera /kit	
05-04-00217	Elisa kit for mucosal disease & viral diarrhea.	20 kit = 5000 sera /kit	
05-04-00218	Elisa kit for Blue tongue	5 kit = 1000 sera /kit	
05-04-00219	Elisa kit for Congo – crimean fever (Haemorrhagic fever)	20 kit = 10 000 sera /kit	
05-04-00220	Elisa kit for coli bacillosis.	5 kit = 1000 sera /kit	

### E- Equipments & Instruments

Code	Item Description and its complementary items (if applicable)	Qty. in unit	
05-04-00221	Cooling Towers (complete).	2	
05-04-00222	Demonized water supplying 25 000 liter per day.Complete (cation, anoin, mixbed)	1	
05-04-00223	Vertical pump with steel shaft not less than 1.5 meter.	10	
05-04-00224	Compressor (R12) 1/5 H. P.	50	

05-04-00225	Compressor (R12, R22, R502) 7.5 H. P.		15
05-04-00226	Compressor (R12, R22, R502)10 H. P.		10
05-04-00227	Deep freezer (-20) oC		250
05-04-00228	Ultra deep freezer (-70 to -90 oC)		25
05-04-00229	Air cooled condensing unit 10 T. Ref		10
05-04-00230	Evaporator unit for (cooled room's) 7.5 T		15
05-04-00231	Evaporater unit for (cooled room's) 10 T		10
05-04-00232	Ice makers(cubic)		211
05-04-00233	Oven		200
05-04-00234	Refrigerator (1300-1500 cubic feet) with 15% spare parts		15
05-04-00235	Incubator		50
05-04-00236	Autoclave		200
05-04-00237	Drenching syringe graduated from 5-30 ml with connecting tube with spare part 15%.	3000 Pc	
05-04-00238	Microscope with video camera (complete set).		1
05-04-00239	Fluorescent microscope		20
05-04-00240	Carcass brander		200
05-04-00241	Automatic syringe 30 ml for vaccination (stainless steal) with spare part 15%.		2000
05-04-00242	Automatic syringe for sheep pox vaccination 2ml (graduation 0.1) (stainless steal) with spare part 15%.		2000
05-04-00243	Automatic CO2 incubator		25
05-04-00244	Tablet testing system		1
05-04-00245	Venoject tube :10 ml plain, 10 ml EDTA, 5 ml heparin	10 000 , 100 000 , 10 000	
05-04-00246	Venoject needle for above	120 000	
05-04-00247	Venoject holder 5 x 10 ml		500
05-04-00248	Serum protein refractometer		5
05-04-00249	Kit for calcium examination in whole blood.	1000 test	
05-04-00250	Neo-sense Tabs for antimicrobial sensitivity test		5
05-04-00251	Anti- A hyperimmune sera	10 vial	
05-04-00252	Anti- M hyperimmune sera	10 vial	
05-04-00253	McLintock intradermal syringe		100
05-04-00254	Roller Tissue Culture apparatus	3 unit	
05-04-00255	Gas chromatography (GC)		1
05-04-00256	Caliper 0 – 120 mm		10
05-04-00257	Flask volumetric (glass narrow neck with plastic flat head stoper) (50, 100, 250, 500, & 1000) ml.	40 for each	
05-04-00258	Spectrophotometer PH indicator paper 5.5-9		20
05-04-00259	Water bath		50
05-04-00260	Foging machine	20 units	
05-04-00261	Ultrasound Bimode 7. MHZ portable electric & battery & probe for small & large & gel for external use .	4 system	
05-04-00262	Ultrasonic bath for cleaning pipettes		20
05-04-00263	Vertical laminar flow benches for handling cell and tissue cultures		50
05-04-00264	Plates (Nunc maxisorb) 40/sera/plate	1000 plate	
05-04-00265	Deionizer with accessories	25 unit	
05-04-00266	Magnetic stirrers system		30
05-04-00267	Auto analyzer		2
05-04-00268	Microfuge tubes (1.5 ml)	300 000	
05-04-00269	Boxes for microfuge tubes	3000 boxes	
05-04-00270	Multiskan reader		3
05-04-00271	Infrared spectrophotometer		1
05-04-00272	Cartrage and shaker : Cartrage , Shaker ( part of Elisa )	12 , 15 for each	
05-04-00273	Automatic laboratory washer		25

05-04-00274	Apparatus for detection and determination of mycotoxin and food borne pathogens		1
05-04-00275	Set of pipets , multichanel pipette for 12 tips		12
05-04-00276	Bidistaled water supply machine		8
	<b>F-Glasswares</b>		
<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00277	Microplates ( for cell culture) (Nunc) 96F well , 24F well with fitting covers and adhesive	40 x 50 boxes of 96 well plates	
05-04-00278	Cell culture flask, roux with cylindrical neck, excentric		2000
05-04-00279	Rubber stoppers for above (non toxic)		5000
05-04-00280	Beakers capacity 50 , 100, 250 ,500 , 1000 ml	4000 each size	
05-04-00281	Bijout bottles 5, 10 ml with screw cap	20 each	
05-04-00282	Universal bottles 20 ml with screw cap	20 000	
05-04-00283	Measuring cylinders (pyrex) 50, 100, 250, 500, 1000 & 2000 ml	2000 each size	
05-04-00284	Test tubes with screw caps (pyrex)		5000
05-04-00285	Lighten tubes with screw caps (Pyrex)		3000
05-04-00286	Serological pipettes (Pyrex) size 1, 2, 5, 10 & 20 ml	5000 each size	
05-04-00287	Pipette container stainless steal (Rounded)		400
05-04-00288	Duran – screw – cap laboratory bottles size 100 , 250, 500 & 1000 ml	5000 each size	
05-04-00289	Pyrex filtering flasks, heavy wall, with tabulation the neck finish provide an excellent fit for rubber stoppers size 1000 ml		2000
05-04-00290	Pyrex flasks flat bottom, with medium neck cap. 10 & 20 lit.	1000 each size	
05-04-00291	Trpsinising flasks, graduated, with screw cap on neck and a constriction below the sidearm size 100, 250, 500 ml	500 each size	
05-04-00292	Deionnization system for the production of ultra pure water needed for cell culture media with accessories		25
05-04-00293	Centrifuge tubes, graduated, with screw cap, conical bottom made from thick-walled borosilicate glass cap 15 ml & 40 ml	2000 each size	
05-04-00294	A) Air cooled split unit and 4T. Ref. Temperature range 8~200C B) Air cooled split unit and 5 & 10 T. Ref, for cooled rooms inside temperature (00C ),ambient temperature 550C C) Air cooled condensing unit 7.5 T. Ref ambient Temp. 550C for cold rooms inside temp. (00C) D) Refrigerator (3-4.5 cubic meter), with 15% spare parts, temperature range (0~80C) ambient Temp. 550C	150 A , 5 B , 15 C , 50 D	
05-04-00295	Colony counters		100
05-04-00296	Anaerobic jars		10
05-04-00297	Burners (gas)		100
05-04-00298	Infra- red microscope		15
05-04-00299	Vacuum pumps		25
05-04-00300	Test tube supports (Rock)		100
05-04-00301	Aspirator bottles (glass)		100
05-04-00302	Washing bottles polyethylene round with long tube		500
05-04-00303	Funnels top diameter mm 50, 100, 200, 1000,	1000 each size	
05-04-00304	Tubing clamps jaw opening 0-50, 0-60 & 0-70	100 each	
05-04-00305	Microtiter pipetting system volume 5, 20, 100, 200 & 1000	25 each	



05-04-00306	Beakers, tall or low form , made of borosilicate glass , with graduation and spout size 50, 100, 250 , 500 & 1000.	1000 each size	
05-04-00307	Beakers , tall or low made from borosilicate glass, with graduation , without spout size 100, 250, 500 & 1000 ml .	1000 each size	
05-04-00308	Erlenmyer screw cap flask supplied with caps, flasks have scales to indicate volumes . size 250 & 500 ml	2000 each size	
05-04-00309	Falcone- tissue culture flask . 25 cm2, culturing surface canted neck With black phenolic screw cap		5000
05-04-00310	Falcone- tissue culture flask . 75 cm2, culturing surface canted neck With black phenolic screw cap	10 000	
05-04-00311	Falcone- tissue culture flask . 150 cm2, culturing surface canted neck With black phenolic screw cap	15 000	
	<b>G- Transportation</b>		
<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00312	A. Fork lift capacity (1 T.) B. Manual lift capacity (1 T.)	16 A , 25 B	
05-04-00313	Fork lift capacity (2-3 T.)		5
05-04-00314	Bus cars 22-24 seats		10
05-04-00315	Minibus cars 14-18 seats		50
05-04-00316	A. Water tanker truck (10000-15000) lit. capacity.B. Special vehicle for transportation of liquid nitrogen	15 A , 1 B	
05-04-00317	Trucks 3-10 Ton capacity / Agricultural Vehicle & spare parts		700 nos
05-04-00318	25-30 T. pay load truck with trailer		5
05-04-00319	Cooled truck for transportation of vaccines (10-15)T.		10
05-04-00320	Mobile veterinary clinic.		32
05-04-00321	Mobile Dip. with trailer		22
05-04-00322	Vehicles for surveillance (Double cabin)		150
05-04-00323	Vehicles for field work (Double axle)		100
05-04-00324	Motor cycle (Scooter)		130
	<b>H - Rehabilitation for fish hatchery plant and fisheries input requirements :</b>		100
<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00325	Thermostat		15
05-04-00326	Water pump		4
05-04-00327	Nozzle		12
05-04-00328	Anaesthetic	10 Ltr.	
05-04-00329	Flibe E	750 Ltr.	
05-04-00330	Plankton net	50 net	
05-04-00331	Rubber suites		300
05-04-00332	Fishing nets		50000
05-04-00333	Fishing net less		1000
05-04-00334	Pituitary gland extract from carp fish		50
05-04-00335	Robes 8 – 24 mm diameter		50
05-04-00336	Common carp males and females		400
05-04-00337	Silver carp males and females		350
05-04-00338	Grass carp males and females		400
05-04-00339	Big head carp males and females		150
05-04-00340	Grohe thermostat		25
05-04-00341	Small Zuger ( glass )	50 Pcs	
05-04-00342	Large Zuger ( fiber glass )	15 Pcs	
05-04-00343	Lubrication oil	30 MT	

05-04-00344	Mixing Valve	2 Pcs	
05-04-00345	Industrial small relay	12 Pcs	
05-04-00346	Current Relay 36 – 5954 – 3		4
05-04-00347	Motor protective switch ( complete )36-118701conductor 36-110101		3
05-04-00348	Time relay 36-27480		5
05-04-00349	Conductor 36-134101		4
05-04-00350	Time relay 35-71-480		40
05-04-00351	Fus-link 33-1433	DO 11 4A	40
05-04-00352	Fus-link 33-1435	DO 11 6A	50
05-04-00353	Fus-link 33-1437	DO 11 10A	60
05-04-00354	Fus-link 33-1439	DO 11 16A	50
05-04-00355	Fus-link 33-26020	NOLGD – 0-16A	50
05-04-00356	Fus-link 33-1443	DO 11 25 A	50
05-04-00357	Fus-link 33-2804	VNO – 001GL 25 A	30
05-04-00358	Fus-link 33-2818	VNO – 01GL 25 A	40
05-04-00359	Fus-link 33-1451	DO 111 35 A	45
05-04-00360	Fus-link 33-1453	DO 111 50 A	50
05-04-00361	Fus-link 33-2821	VNO-01GD 63 A	50
05-04-00362	Fus-link 33-1455	DO 111 63 A	50
05-04-00363	Fus-link 33-2823	VNO – 01GL 100 A	50
05-04-00364	Fus-link 33-2804	VNO – 001 GL 25 A	40
05-04-00365	Fus-link 33-2820	VNO – 01GL 50 A	45
05-04-00366	Fus-link 33-2839	VNO – 11 GL 100 A	50
05-04-00367	Fus-link	NOLGD –1 200 A	12
05-04-00368	Suclion height ( nominal power )		4

**I - Rehabilitation of dairy cattle sector and the main center for Artificial insemination and centers for AI services:**

<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00369	Pregnant Heifers	With 4-6 month pregnancy	10000
05-04-00370	Holstein sires	14 – 18 month of age and 400 – 500 kg selected from progeny tested bulls	15 – 20
05-04-00371	Digital Photometer	For semen evaluation with accessories	1
05-04-00372	Spare parts for filling and sealing frozen semen straws	Automatic machine MPS3	Round
05-04-00373	Strew filling and printing machine Mini straws	500 000 strew + 1 machin	1
05-04-00374	Liquid nitrogen containers	Capacity 37 Ltr.	100
05-04-00375	Liquid nitrogen containers	Capacity 7 Ltr.	200
05-04-00376	Universal syringe	0.25 ml	150
05-04-00377	Protecting jacket for AI gun Protecting jacket for all sheath		100 each
05-04-00378	Universal sheet	0.25 ml	200 000
05-04-00379	Five finger plastic gloves	Each box contains 100 gloves	250 Box
05-04-00380	Standard goblets	For strew storage	500 vial
05-04-00381	Prozolvin (hormone)	10 cc vial	2000 vial
05-04-00382	Chorolion (hormone)	Five x five package	200 pack

05-04-00383	Fertagel ( hormone )	10 cc vial	3500 vial
05-04-00384	Progesterone (hormone)	10 cc vial	1000 vial
05-04-00385	Estradiol ( hormone )	10 cc vial	1000 vial
05-04-00386	Folligon	Vial ( 1500 IU )	2000 vial
05-04-00387	Oxytocin	Vial ( 10 CC )	1000 vial
05-04-00388	Metroget	Syringe	20 000 000
05-04-00389	A) RCB stainless steel container B )Liquid Nitrogen container with accessory C ) Transfer hoses are made of stainless steel with abraded protection	1 A , 1 B , 5 C	
05-04-00390	Semen collection ( artificial vagina ) equipment with 50 % spare parts		25
05-04-00391	Electro-ejaculator for bull	=	2
05-04-00392	Cold cabinet adjustable floor height	Used for semen production in the main lab in AI center	2
05-04-00393	Automatic computerised device for semen freezing	=	2
05-04-00394	Water bath for semen and extender	=	1
05-04-00395	Dry water bath with interchangeable stand	=	1
05-04-00396	Standard goblets for straws storage	Different size	1500
05-04-00397	Universal sheath	0.25 CC	500 000 000
05-04-00398	Five finger plastic gloves	Each box contains 100 gloves	2000 Box
05-04-00399	Protecting jacket for al sheath	-----	200

**J - Spare parts for milking machine and breeders requirements :**

<b>Code</b>	<b>Item Description and its complementary items (if applicable)</b>	<b>Packing</b>	<b>Qty. in unit</b>
05-04-00400	Pulsation generator	For ALFA - LAFAL and gas goin milking machines	40
05-04-00401	Electric pulsator	For ALFA - LAFAL and gas goin milking machines	160
05-04-00402	Sanitary trap	For ALFA - LAFAL and gas goin milking machines	40
05-04-00403	Lubricator	For ALFA - LAFAL and gas goin milking machines	80
05-04-00404	Vacuums pump	For ALFA - LAFAL and gas goin milking machines	80
05-04-00405	Electric motor 2.2 kw	For ALFA - LAFAL and gas goin milking machines	80
05-04-00406	Teat cup liner	For ALFA - LAFAL and gas goin milking machines	2500
05-04-00407	Wash cup set of 4	For ALFA - LAFAL and gas goin milking machines	2500
05-04-00408	Roll clip for 22.3	For ALFA - LAFAL and gas goin milking machines	600

05-04-00409	Single air section	For ALFA - LAFAL and gas goin milking machines	600
05-04-00410	Elbow forth glass jar	For ALFA - LAFAL and gas goin milking machines	600
05-04-00411	FMD milk pump	For ALFA - LAFAL and gas goin milking machines	40
05-04-00412	Portable milking machine	For small breeders	100
05-04-00413	Milk container	Capacity 50 kg	10000
05-04-00414	Milk cooling machine	capacity 500 kg	300
05-04-00415	Pasteurization milk machine	capacity 500kg	300
05-04-00416	Double jaket tank for cheese processing	capacity 500kg	300
05-04-00417	Ranine enzyme for processing cheese	Normal grade	3MT
05-04-00418	Microplates (for cell culture) (Nune) 96F well, with fitting covers and adhesive, in boxes of 44 plates	boxes	45
05-04-00419	Microplates (for cell culture) (Nune) 24F well, with fitting covers and adhesive, in boxes of 50 plates	boxes	20
05-04-00420	Bijout bolltles with screw cap capacity (8 ml)	nos.	20000
05-04-00421	Hand Auger Set (7 mm)	kits	12
05-04-00422	Electronic top loading balance 2220 x 0.01g	nos	6