

MINISTRY OF AGRICULTURE, ANIMAL INDUSTRY, AND FISHERIES
P. O. Box 102 Entebbe – UGANDA

UGANDA CLIMATE SMART AGRICULTURAL TRANSFORMATION PROJECT
(UCSATP)

ITEM SPECIFICATION FOR THE PRODUCTION INPUTS AND AGRICULTURAL
EQUIPMENT FOR LIVESTOCK VALUE CHAINS UNDER THE UCSATP.

SN.	LOT	ITEM required	Description of item
1	Lot 4	Pasture seed	Pakchong or sugar Napier cutting in bags(40-45kgs) each cutting should have 3 nodes and be cut at a slanting angle with age of 3 to 4 months, Chloris gayana in 5kg packs with germination/viability of at least 20% with a purity of over 90%, Bracharia seeds in 2kg packs and splits in bags(40-45kgs), Centrosema in 1kg packs. Lab lab seeds in 2kgs packs. Calliandra seeds
2	Lot 5	Fertilizers	NPK, UREA and DAP
3	Lot 9	Tractor Hire	1 axle tractors (8-12HP) 2 axle tractors (45 -95HP)
4	Lot 10	Farm Equipment and tools (Bucket / motorized spray pumps, Forage cutters, Motorized milking machine, Drenching gun, overalls, gloves, aprons, gumboots, spray face masks, milking cans, Wheel barrow, mastitis kit, milking bucket,)	
		A. Milking Machine	<ul style="list-style-type: none"> • Mobile engine powered • Double Handle Milk Machine for Cows • Stainless Steel cans, • Trolley type • Double can of 30ltrs each • Double cluster • Working capacity:20-24 cows/hour • Warranty:1 year • Voltage:220v/380v,220V/50Hz • Vacuum pressure:45-50Kpa
		B. Forage chopper	<ul style="list-style-type: none"> • Mobile engine powered, all steel • 7HP-16 HP engine • Fuel type: Petrol /Diseal

			<ul style="list-style-type: none"> • Safety: Fitted with belt guards • Manpower required: ≤ 2 persons • Weight: Maximum 100kg • Body build material: Minimum 4mm thick sheet metal with all parts finished in long-lasting anti-corrosion treatment and food grade safe powder coating. • Production efficiency/output: minimum 2t/h • Feeding method: automatic feeding • Warranty: Minimum 12 months • Literature: Operators manual, maintenance/service manual, parts book • Tool kit: Essential tools for minor routine maintenance and service • Training: training on assembly, movement, usage and minor routine maintenance and service • Equipment service: include service schedule; • Spare parts: include set of blades and belts
		C. Milking cans	<ul style="list-style-type: none"> • Material: Stainless steel, resistant to rust • Size: 20/50L • Insulation: Insulated milk can. • Lid Type: With airtight seals • Handles: Well-designed handles to carry the can safely.
		D. Milking buckets	<ul style="list-style-type: none"> • Material: Stainless steel, resistant to rust • Size: 20L.(Calibrated 20L mark) and 10 L size • Handles: Well-designed sturdy stainless-steel handles to carry the can safely. • Lid: With Lid to prevent contamination and spillage.
		E. Buckets spray pumps	<ul style="list-style-type: none"> • Single barrel stirrup brass pump • Easy operations with light

			strokes <ul style="list-style-type: none"> • 2 piston caps • Pump barrel with pressure chamber to give continuous spray • Pressure - Pumping fluid to a head of Over 30 ft. (H₂O) or a pressure of up to 200 bar. • ≥7m long delivery hose • Trigger cut off valve • ≥60 cm long extension rod • Cone mist spray nozzle • Literature: Operators manual, maintenance/service manual, parts book • Tool kit: Essential tools for minor routine maintenance and service • Training: training on assembly, movement, usage and minor routine maintenance and service • Spare parts: include set of nozzles, piston caps, and valve •
		F. Drenching gun	<ul style="list-style-type: none"> • Material: Plastic calibrated barrel. Nylon Pistol Grip, stainless steel nozzle • Size: 200ml. • Drencher Lock (dosing wheel) equipped with the option to set dose volumes • Luer lock nozzle attachment
		G. Mastitis kit	<ul style="list-style-type: none"> • Teat dip, strip cup and Intramammary. • CMT kit
		H. Mineral Blocks	<ul style="list-style-type: none"> • Blocks of 2 to 5kgs size with key minerals of (NaCl, Ca, P, Mg, Fe, Cu, Mn, Zn, S, Co, Fe and Mo)
		I. Water harvest	<ul style="list-style-type: none"> • Water tank (10,000L capacity) with its accessories of taps. • Motorized water pump and pipes
		J. Solar powered freezers	<ul style="list-style-type: none"> •
		K. Tricycle for milk transportation	<ul style="list-style-type: none"> •
5	Lot 11	Animal drugs (Acaricides, dewormers, Milking salve)	
		A. Acaricides	<ul style="list-style-type: none"> • Amitraz 12.5% W/V, Organophosphate and

			combination acaricides <ul style="list-style-type: none"> • Size: 1000ml package • Shelf life: ≥ 12 months Use: for control of ticks in cattle
		B. Dewormers	<ul style="list-style-type: none"> • Albendazole 10% w/v • Oral Liquid Suspension • Size: 1000ml package • Shelf life: ≥ 12 months Use: for control of Internal parasites in cattle Ivermectin
		C. Milking salve	<ul style="list-style-type: none"> • Dichlorophene 0.55% w/w and Lanolin (2% w/w). • Size: 100g package Shelf life: ≥ 12 months
6	Lot 12	Construction Farm structures (cattle shed, holding Boma / Kraal Hay barns, silage banks, Biogas)	
		Milking parlor	Should be well sized with good drainage. Strong walls and recommended floor. There should be easy entre and exit for the cow. Should be easy to clean and with enough ventilation and aeration
		Calf pen	Should have sufficient space, good ventilation, and a dry, clean environment. Individual pens should ideally provide 2.0-2.3 square meters of space per calf, while smaller group pens (3-5 calves) need 1.8m ² per calf and larger groups (6-12 calves) can function with 1.5m ² per calf. Dry and easily cleanable surfaces are required.
		Biogas plants	6 to 12 cubic meter digester with provision human waste. Composed of lighting lump and cooking stove with provision for refrigeration.
		Cattle crush	
		Solar cameras	For security enhancement