

Kigali, ..... 15 MAR. 2023.....

No. 1620.1.10.2022-23 (MIN)



**MINISTRY OF FINANCE AND  
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**Commissioner General  
Rwanda Revenue Authority  
P. O Box 3987  
KIGALI.**

Dear CG,

**RE: Updated list of approved agricultural inputs and other agricultural and livestock material and equipment exempted from the Value Added Tax**

Pursuant to law n°40/2016 of 15/10/2016 modifying and complementing law n°37/2012 of 9/11/2012 establishing the Value Added Tax as modified and complemented to date, especially in its article 2,15°;

I am pleased to submit to your office the list of approved agricultural inputs and other agricultural and livestock material and equipment exempted from the Value Added Tax for your implementation.

Sincerely,



**Dr. Uzziel NDAGIHAMANA**  
Minister

**Cc:**

- Hon. Minister of Agriculture and Animal Resources;
- Hon. Minister of State in Charge of Economic Planning;
- Hon. Minister of State in Charge of National Treasury;
- Commissioner for Customs/RRA

**REPUBLIC OF RWANDA**



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**UPDATED LIST OF AGRICULTURAL INPUT AND OTHER  
AGRICULTURAL AND LIVESTOCK MATERIAL AND EQUIPMENT  
EXEMPT FROM VALUE ADDED TAX**

Pursuant to law n°40/2016 of 15/10/2016 modifying and complementing law n°37/2012 of 9/11/2012 establishing the Value Added Tax as modified and complemented to date, especially in its article 2,15°;

The Minister of Finance and Economic Planning approves the following list of agricultural inputs and other agricultural and livestock material and equipment exempt from the Value Added Tax;



**PART I: AGRICULTURE'S MACHINERY, INPUTS, REAGENTS, MATERIALS,  
TOOLS AND EQUIPMENT EXEMPTED FROM VALUE ADDED TAX (VAT)**

<b>I. FARM MACHINERY</b>	
<b>1.1. All type of farm machinery (SI)</b>	
1	All type of farm tractors (wheel and crawler tractors) & spare parts
2	All of earth moving machinery and spare parts
3	All of power tillers & spare parts
4	All type of leveling machines & spare parts
4	All special vehicles for farm use and spare parts
<b>1.2. All type of farm implements for different crops (SI)</b>	
1	All type of plough (Chisel, Mouldboard & Disc) and spare part
2	All type of harrow (spike, drag and disc) and spare parts
3	All type of subsoiler & spare parts
4	All type of Rotary & rotavator plough and their spare parts
5	All type of cultivators & spare parts
6	All attachment for animal tractors
7	All type of loaders (Bucket loader, front loader etc.)
8	All type of mowers and spare parts
9	All type of rakes and spare parts
10	All type of grass mounted cutters and spare parts
11	All type of ridgers & spare parts
12	All type of hole digger machines and spare parts
13	All type of ditcher and spare parts
14	All type of soil hardness testers and spare parts
15	All type of tracking system for farm machinery and spare
16	All type of planters & spare parts
17	All type of seeders & spare parts
18	Green leaf collection vehicles, tippers, accessories, tools and spare parts
19	Mechanized wood saws, wood splitters, hand saws, accessories and spare parts.
20	Plucking machines, accessories and spare parts
21	Pruning machines, saws, knives and shears with accessories, tools and spare parts
22	Tea green leaf bags, polythene sheets, polythene tubbings
23	Tractors trailers, accessories, tools and spare parts
25	Trailer water tanks accessories and tools
26	Water pipes, accessories and tools
27	Weighing dial scales, electronic weighting and recording scales.
28	Irrigation pipes, sprinkles, accessories, tools
29	Ploughs, harrows, mowers accessories, tools and spare parts
30	Spray pumps, watering cans accessories and spare parts



<b>I. FARM MACHINERY</b>	
31	All type of manure spreaders and spare part
32	All type of fertilizer spreader and spare parts
33	All type of sprayers (knapsack, boom and others) and spare parts
34	All type of weeders and spare parts
35	All type of pump tractor trailers and spare parts
<b>1.3. The farm machinery for harvesting (SI)</b>	
1	All type of harvesters & spare parts
2	All type of threshers and spare parts
3	All type of winnowing and spare parts
4	All type of grain silos and spare parts
5	All type of hay bailers and spare parts
6	All type of driers and spare parts
7	All type of grain cleaner machines, tools and spare parts
8	All type of reapers or reaper binders machines and spare parts
10	All type of sieves and spare parts
11	All type of hammer mills and spare parts
12	All type of graders machines and spare parts
13	The farm machinery for harvesting
14	Combined harvesting machinery

<b>II. WORKSHOP EQUIPMENT (SI)</b>	
1	All type of lathe machine and spare parts
2	All type of drilling machines and spare parts
3	All type of grinding machines and spare parts
4	All type of milling machine and spare parts
5	All type of Shearing machine and spare parts
6	All type of bending machines and spare parts
7	All type of sanding machines and spare parts
8	All type of electrical cater and spare parts
9	All type of hydraulic juke and spare parts
10	All type of high-speed cutting machines and spare parts
11	All type of multi-use tool kits for repair purpose of farm machinery
12	All type of air compressors and spare parts
13	All type of welding machines and spare parts
14	All type of crimping machines and spare parts
15	All type of painting machines and spare parts
16	All type of tires pressing machine and spare parts
17	All type of fork lift and spare parts



<b>II. WORKSHOP EQUIPMENT (SI)</b>	
18	All type of shelves, plastic boxes, oil measuring tools
19	All type of hoist and spare parts

<b>III. AGRICULTURAL TOOLS AND EQUIPMENT (SI)</b>	
1	Rice trans-planter
2	Green House plastic
3	Green House Structure and accessories
4	Green House Tape
5	Tunnel Plastic
6	Tunnel Sheet
7	Tunnel Fittings
8	Ground cover sheet
9	Mulching sheet
10	Plastic sheets for greenhouse
11	Nets - Bird Nets
12	Hydroponic structure and accessories
13	Pelletizer machines and their accessories
14	Hydroponic fodder trays system
15	Automated misting irrigation system
16	Hydroponic driers Extrudermachines
17	Mold guard materials
18	Hydroponic incubators/chambers
19	Shade Nets
20	Budd Nets
21	Grading Nets
22	Troughs With Fittings
23	Coco peat
24	Saw dust (for cattle bedding)
25	Sewing thread
26	Wheat Sheller threshing machine
27	Multipurpose thresher — shelling machine
28	High quality Knapsack Sprayers
29	Grease for machine (seed sorting machine)
30	Portable bag closer machine
31	Wheelbarrow
32	50 Kg PP woven bags



III. AGRICULTURAL TOOLS AND EQUIPMENT (SI)	
33	100 Kg PP woven bags
34	Plastic mesh bags (for packaging seed potatoes)
35	Paper bags No 12
36	Paper bags No 14
37	Paper bags No 16
38	Labeled bags
39	Labeled paper bags on both sides
40	Polythene bags
41	Paper bags with inner layer of white color paper
42	Reinforced plastic tarpaulin (Sheeting)
43	Steel machete (knife)
44	Spade with wood handle
45	Farming Hoe with wood handle
46	Oil for portable bags close
47	Jute twine (Sisal rope)
48	Plug Extension & Multi-sockets
49	Needles for portable bag closer machine
50	Weighing machine (Scale)
51	Rubber gloves (pure chemical resistant gloves)
52	Safety Boots (Boots)
53	Respiratory dust mask
54	Overall (salopette)
55	Moisture meter
56	A pair of Scissors
57	Threshers for pruning and cutting
58	Testing hustler
59	Testing mill
60	Testing thickness grader
61	Testing rice grader
62	Grain color sorter
63	Grain trier
64	Sample divider
65	Grain counter
66	Moisture meters and spare parts
67	Grain crack inspector and spare parts
68	Milling meter
69	Sieves
70	Small scales
71	Tractor and its spare parts and accessories



III.AGRICULTURAL TOOLS AND EQUIPMENT (SI)	
72	Sprayer and its spare parts
73	Watering can
74	Flower net
75	Flower net pole
76	Twine rope
77	Disc plow
78	Reversible Mould Board plow
79	Rotary plow
80	Mould board plow
81	Disc harrow mounted
82	Hydraulic Disc harrow
83	Furrow opener
84	Chisel plow (Tyne)
85	Sub soiler
86	Spring Cultivator
87	Spring tine cultivator
88	Ridger
89	Ditcher plow
90	Rear Blade
91	leveler machine
92	wheel tractors
93	crawler tractors
94	E-tractor
95	Walking tractors (power tillers)
96	Direct fertilizer machine
97	Boom sprayer
98	Weeding Machine
100	Fertilizer spreader machine
101	Walking rice trans-planter
102	Ridding rice trans-planter
103	Combined harvester
104	Thresher machine
105	Sheller machine
106	Dryer machine
107	Harvester machine
108	Tunnel
109	Tunnel structures and accessories



**III. AGRICULTURAL TOOLS AND EQUIPMENT (SI)**

110 Insect net

**IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)**

- 1 Center pivot irrigation system, moving lateral systems and spare parts
- 2 Wiring and equipment for electrically driven or controlled machine
- 3 Power Units & Generators/ Generator Sets, head controls and spare parts
- 4 Remote Monitoring and control sets/ equipment and accessories + spare parts
- 5 Laboratory test equipment for irrigation purposes
- 6 Advanced ICT for Graphic symbols for pressurized irrigation system management
- 7 Automatic pumping /control stations and spare parts
- 8 Suction screens, Suction Hose, Discharge Hose, Victaulic couplings and fittings
- 9 Boom sprayers, rotating sprinklers and spare parts
- 10 Cast iron pipes for irrigation, Hydrants & Hoses for irrigation
- 11 Sprayers or Sprinklers nozzles and spare parts
- 12 Solid set sprinkler system
- 13 Sip pump for irrigation and spare parts
- 14 Hydraulic ram pumps and spare parts
- 15 Directional devices (stop & non-return check valves, regulating valves, isolating valves)
- 16 Volumetric valves, irrigation hydrants
- 17 Measuring devices (water meters, flow controllers, water and pressure gauges)
- 18 Traveler irrigation machines, soft wall & couplings
- 19 Automatic turf irrigation systems
- 20 Reel Machine systems and polyethylene tubes
- 21 Controllers, Water meters, Air Relief valves, pressure relief
- 22 Butterfly, Primer, Gate & Specialty Valve, Flanges, Flange gaskets
- 23 Mini- sprinklers, Pressure Regulators, Filters, Fittings and Accessories
- 24 Emitters and emitting- pipe systems and pressure gauges
- 25 Emitting devices and F Filtration systems
- 26 Fertigation equipment, Fittings, Spare parts and Accessories
- 27 Chemical injector pumps and accessories, spare parts
- 28 Safety devices for chemigation and accessories, spare parts
- 29 Thermoplastic collapsible hoses for irrigation
- 30 Strainer filters- filters for micro- irrigation
- 31 Automatic self-cleaning strainer filters
- 32 Aluminum pipes for irrigation and Fittings
- 33 Quick coupling pipes for movable irrigation supply
- 34 Polyethylene (PE) for irrigation Laterals and Fittings
- 35 Plastic saddles for polyethylene pressure pipes
- 36 Connection and control accessories for use in irrigation systems
- 37 Valves, Fittings, Repair Parts and Accessories



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
38	Galvanized pipes for irrigation
39	Gates, Valves, Fittings and accessories
40	HDPE Pipes for irrigation
41	Irrigation Pumps and accessories and spare parts
42	Light steel pipes for Irrigation
43	Polyvinylchloride (P.V.C) pipes for irrigation development
44	Tubing for drip irrigation
45	Plastic lining sheeting for water harvesting
46	Dam sheets and special welding machines for repairing damaged sheets
47	Water tanks for storage, water harvesting & in drip irrigation systems
48	Pedal pumps for irrigation and spare parts
49	Rope and Washer pumps and spare parts
50	Open canal automation systems (up or downstream regulation devices of discharge)
51	Field EC instruments for rapid water quality control of irrigation /drainage water (in-out)
52	Large-scale, movable spraying machines for crop disease control or protection
53	Rain gun for irrigation
54	Rain gun stand (Raiser) and fittings
55	Gate Valves
56	Sock valves
57	GI quick coupling pump connectors male and female
58	Distribution Transformer 3 PHASES, 160 KVA, 30/0.KV, 50HZ
59	PLC Simatic S7-200/S7 1200
60	Installed program for PLC, SIMATIC STEP7- Micro/Win V4.0,
61	Installed program for PLC, SIMATIC Wincc flexible 2008/2048 SP2 Runtime
62	Stabilizer power supply unit, Double brank power supply stabilizer
63	Digital panel meter ,48V cl: 0.5 Scale: SETDIP -switches
64	Isolating switch ,Type: Vc1p 3x32A
65	Valve regulated rechargeable battery : Enerpower SLC 80-12B,12V-80Ah, 20 Hours
66	Insulating transformer 230/230 V- 1000VA
67	Emergency Stop Push Button 230 V-6A
68	Starting Push Button 230 V-10 mA with LED
69	Stop Push Button 230 V-10 mA with LED
70	Low voltage Moulded Case Circuit Breaker,100 A /400v~
71	Differential Circuit breaker 35A/400V Quadrupled Idn: 0.03A
72	Differential Circuit breaker 40A/400V Quadrupled Idn: 0.03A
73	Differential Circuit breaker 25A/230V Bipolar Idn: 0.03A
74	Differential Circuit breaker 6A/230V Bipolar Idn: 0.03A
75	Contactor ABB 75A/400 v~ 4 poles with 2 auxiliaries Contacts
76	Auxiliary contact Type: G48111,Vi: 690V, Ith: 10A
77	Differential relay Idn: 0.1...2A , RD2
78	Relay ABB CR-M024AC4



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
79	Relay ABB CR-M230AC4
80	Relay Rcp8002: 24V, 50/60 Hz ,10A , 250 VAC
81	Temperature sensor 250V/10A , scale: 0.....60 °C
82	Distribution transformer 3 PHASES,500 KVA,11/0.4 kV
83	Distribution transformer 3 PHASES,630 KVA, 30/0.4 Kv
84	2.5 kVA 400/230 VAC Step-Down Transformer
85	5.0 kVA x 1000/380 VAC Step-Down Transformer
86	7.5 kVA x 1000/380 VAC Step-Down Transformer
87	15 kVA x 380/1000 VAC Step-Up Transformer
88	37 kVA x 380/1000 VAC Step-Up Transformer
89	Ammeter with phase selector switch. Pilot Lights with Legend Plates- green/red/yellow
90	On / Off / Trip
91	Protection, Overloads, Breakers and Isolators
92	Main circuit breaker and Isolator
93	Low voltage Moulded Case Circuit breaker
94	Power Factor Meter
95	Contactor
96	Command relay
97	Soft starter 3RW4028-1BB14
98	Run hour meter
99	SIEMENS SENTRON PAC 3100 POWER MONITOR 7KM3133 Power monitor"
100	Ampere meter
101	SIMATIC S7-1200,CPU 12I4C DC/DC/RLY,SIEMENS
102	SIMATIC S7-1200,CPU 12I4C DC/DC/RLY,SIEMENS
103	Model U-4308 River Submersible Pump,Sakuragawa
104	Model U-4208 River Submersible Pump,Sakuragawa
105	Unitrain SP90-10 Submersible Pump with 5.5 kW Franklin Motor, 380 VAC
106	Unitrain SP150-8 Submersible Pump with 7.5 kW Franklin Motor, 380 VAC
107	Unitrain SP300-7 Submersible Pump with 15 kW Franklin Motor, 380 VAC
108	Unitrain SP300-8 Submersible Pump with 15 kW Franklin Motor, 380 VAC
109	Unitrain SP400-5 Submersible Pump with 18.5 kW Franklin Motor, 380 VAC
110	Unitrain SP650-3 Submersible Pump with 30 kW Franklin Motor, 380 VAC
111	Unitrain SP800-3-A Submersible Pump with 37 kW Franklin Motor, 380 VAC
112	Unitrain SP90-07 Submersible Pump with 4 kW Franklin Motor, 380 VAC
113	Unitrain SP150-6 Submersible Pump with 5.5 kW Franklin Motor, 380 VAC
114	Unitrain SP150-8 Submersible Pump with 11 kW Franklin Motor, 380 VAC
115	Unitrain SP300-5 Submersible Pump with 11 kW Franklin Motor, 380 VAC
116	Unitrain SP300-6 Submersible Pump with 11 kW Franklin Motor, 380 VAC
117	Unitrain SP400-6 Submersible Pump with 22 kW Franklin Motor, 380 VAC
118	Unitrain SP650-3 Submersible Pump with 30 kW Franklin Motor, 380 VAC
119	Unitrain SP800-4-AA Submersible Pump with 45 kW Franklin Motor, 380 VAC



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
120	Unitrain SP800-4-AA Submersible Pump with 5.5 - 8" kW Franklin Motor, 380 VAC
121	Unitrain SP90-07 Submersible Pump with 4 kW Franklin Motor, 380 VAC
122	Unitrain SP150-6 Submersible Pump with 7.5 kW Franklin Motor, 380 VAC
123	Unitrain SP150-8 Submersible Pump with 11 kW Franklin Motor, 380 VAC
124	Unitrain SP150-8 Submersible Pump with 7.5 kW Franklin Motor, 380 VAC
125	Unitrain SP230-7 Submersible Pump with 11 kW Franklin Motor, 380 VAC
126	Unitrain SP300-8 Submersible Pump with 18.5 kW Franklin Motor, 380 VAC
127	Unitrain SP500-5 Submersible Pump with 30 kW Franklin Motor, 380 VAC
128	Unitrain SP800-4-A Submersible Pump with 5.5 - 8" kW Franklin Motor, 380 VAC
129	Pivots & accessories
130	Valley SELECT2 Control Panel on machine _Pivots & accessories Stop-in-Slot for full circle machines (BUILD INTO SELECT2)"
131	Sprinkler package: IU-Wabb at 15 psi
132	Remote Pump Start/Stop Relay
133	Center Pivots and SPARE PARTS
134	1703321 - Gearbox N/T (Dual shaft 52:1)
135	03E2469 - Centre drive Motor (HS)
136	03E2468 - Centre drive Motor (SS)
137	03E0307 - Micro switches
138	0314345 - 17.5 Amp Fuses
139	03E1678 - 5 Amp fuses
140	03E1848 - Main Contactor
141	03E2939 - Overwater timer
142	099P178 - Tower contactor
143	0314820 - 110V Bulb
144	KA01300 - Universal Kit (NT)
145	0254004 - V-Packing for J-Pipe
146	0221001 - 8 5/8" Triple Lip seal
147	1800318 - 6 5/8" Rubber Boot
148	0991087 - 6 5/8" Rubber Boot Clamp
149	0996279 - 6 5/8" Triple Lip seal
150	0996080 - 5" Rubber Boot
151	0995199 - 5 Rubber Boot Clamp
152	0271080 - 20mm Hose Clamps
153	0600701 - 3/4" Hose Barb
154	K8120XOX - Bag-B&N for span
155	0601656 - I-Wob (UP3)
156	0600305 - I-Wob Weight
157	0246222 - Senninger Pl. Return Bend
158	060 - I-Wob Nozzles (UP3)



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
159	0227215 - 15psi Regulator
160	Pressure Gauge (400 kPa)
161	KA09290 - Truss Package 61m Span
162	9360056 - Diagnal 55m Span
163	9360706 - Diagnal 49m Span
164	9360057 - Spreader 55m Span
165	9360707 - Spreader 49m Span
166	9360683 - Tower Truss Rod
167	9360682 - Inter Truss Rod
168	9360068 - Trapezoid Plate
169	9360069 - Outer Socket
170	9360070 - Inner Socket
171	9360722 - Tower Support Pipe
172	9360827 - DU Leg (RH)
173	9360828 - DU Leg (LH)
174	9360733 - Tie Brace
175	9361138 - DU Diagonal
176	1780327 - Upper Brace
177	9360835 - Inter Brace
178	9360834 - Lower Brace
179	1700976 - Spreader Cable
180	9360034 - O/H Support Inner Cable
181	1780203 - O/H Support Middle Cable
182	9360955 - O/H Support Outer Cable
183	9360930 - Cable Support Bracket
184	0992211 - Rubber Gasket 6 5/8"
185	0996071 - Urethane Gasket 5"
186	0221010 - Piers Coupling Gasket 4"
187	1702117 - Pipeline Drain
188	0992084 - Circle Lock Ring
189	0232001 - Drain Seal
190	0232004 - Lower Drain Body
191	0246170 - Upper Drain Body
192	1700982 - O/H Support Angle
193	1701021 - Sign Support Lower
194	9360229 - Sign Support Upper
195	9360931 - O/H Stub Pipe 5"
196	9363792 - Trapezoid Plate
197	Electric



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
198	03E2315 - Fuse 2Amp Time Delay unit 5 5
199	0315019 - Fuse, 3/4Amp unit 5 5
200	5" MACHINES / 50MM HYDRAULIC VALVE COMBINATION & STANDARD EQUIPMENT AT PIVOT CENTRES:
201	25mm F-BSP Socket welded on Saddle Hole for Water Meter
202	Raphael Hydraulic Valves, 50mm T/D, complete with: unit 26 13-Way Valve & Finger Filter - 24 VAC N/O Solenoid."
203	80mm L/O Butterfly Valve, Drilled Table D
204	80mm T/D x 90° Flgd Bend, FBE, galv. I
205	50mm F-BSP Socket welded on
206	One flange must be flexi
207	50mm galv Barrel Nipple
208	50mm Ball-Lock Valve
209	UniRain 50mm Kinetic Double Air Valve
210	25mm galv. Hollow Plug
211	150mm IR Ring
212	80mm IR Ring
213	50mm IR Ring
214	M16 x 50mm galv. Hex Bolts and Nuts
215	M16 x 55mm galv. Hex Bolts and Nuts
216	M16 x 100mm galv. Hex Bolts and Nuts
217	PTFE Thread Sealing Tape
218	80 x 50mm Flgd Concentric Reducer, FBE, galv.
219	50mm IR Rings
220	M16 x 50mm galv. Hex Bolts and Nuts
221	5" MACHINES / 80MM HYDRAULIC VALVE COMBINATION
222	25mm F-BSP Socket welded on Saddle Hole for Water Meter
223	Raphael Hydraulic Valves, 80mm T/D, complete with:3-Way Valve & Finger Filter 24 VAC N/O Solenoid.
224	100mm L/O Butterfly Valve, Drilled Table D
225	100mm T/D x 90° Flgd Bend, FBE, galv.
226	50mm F-BSP Socket welded on
227	100mm T/D x 1.2m Flgd Steel Pipe, FBE, galv.
228	One flange must be flexi
229	50mm galv. Barrel Nipple
230	3.28 50mm Ball-Lock Valve
231	UniRain 50mm Kinetic Double Air Valve
232	25mm galv. Hollow Plug
233	150mm IR Ring
234	100mm IR Ring



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
235	80mm IR Ring
236	M16 x 50mm galv. Hex Bolts and Nuts
237	M16 x 55mm galv. Hex Bolts and Nuts
238	M16 x 110mm galv. Hex Bolts and Nuts
239	PTFE Thread Sealing Tape
240	6-5/8" MACHINES / 80MM HYDRAULIC VALVE COMBINATION
241	25mm F-BSP Socket welded on Saddle Hole for Water Meter
242	Raphael Hydraulic Valves, 80mm T/D, complete with 3-Way Valve & Finger Filter, 24 VAC N/O Solenoid.
243	100mm L/O Butterfly Valve, Drilled Table D
244	100mm T/D x 90° Flgd Bend, FBE, galv.
245	50mm F-BSP Socket welded on
246	One flange must be flexi
247	50mm galv Barrel Nipple
248	50mm Ball-Lock Valve
249	UniRain 50mm Kinetic Double Air Valve
250	25mm galv Hollow Plug
251	200mm IR Ring
252	100mm IR Ring
253	80mm IR Ring
254	3M16 x 50mm galv Hex Bolts and Nuts
255	M16 x 55mm galv Hex Bolts and Nuts
256	M16 x 110mm galv Hex Bolts and Nuts
257	PTFE Thread Sealing Tape
258	6-5/8" MACHINES / 100MM HYDRAULIC VALVE COMBINATION
259	25mm F-BSP Socket welded on Saddle Hole for Water Meter
260	Raphael Hydraulic Valves, 100mm T/D, complete with 3-Way Valve & Finger Filter, 24 VAC N/O Solenoid.
261	3.58 150mm L/O Butterfly Valve, Drilled Table D unit 3 1
262	3.59 150mm T/D x 90° Flgd Bend, FBE, galv.
263	50mm F-BSP Socket welded on
264	One flange must be flexi
265	50mm galv. Barrel Nipple
266	50mm Ball-Lock Valve
267	UniRain 50mm Kinetic Double Air Valve
268	25mm galv. Hollow Plug
269	200mm IR Ring
270	150mm IR Ring
271	100mm IR Ring
272	M16 x 50mm galv. Hex Bolts and Nuts



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
273	M16 x 55mm galv. Hex Bolts and Nuts
274	M16 x 115mm galv. Hex Bolts and Nuts
275	PTFE Thread Sealing Tape
276	Vyrsa 36 Plastic Sprinkler with 9/64" Nozzle
277	Vyrsa 36 plug
278	Riser pipe, galv steel, 3/4" BSP x 1.2m, M x F
279	Riser pipe, galv steel, 3/4" BSP x 1.0m, M x F
280	Mono Saddle, B91, 50mm x 20 BSP outlet, with bolts,nuts and gasket
281	Support Batten for B91 Saddle, 400mm wide
282	Latch Type Irrigation Pipe, galv, 5.8m x 51mm, without outlet, drilled for mono saddle Note: Supply without outlets, but drilled only for mono saddles)
283	Latch Type Irrigation Pipe, galv, 5.8m x 51mm, undrilled, without outlet
284	Latch Type Irrigation Pipe, galv, 5.8m x 76mm, undrilled, without outlet
285	Latch Type End Caps, galv, 50mm
286	Latch Type Female Threaded Adaptor, galv, 76mm x 80 BSP
287	PTFE Tread Sealing Tape
288	50mm galv Barrel Nipple
289	R.O. Tee, 110mm x 80mm BSP
290	Repair Coupling (all size)
299	Reducing Tee (all size)
307	uPVC Male/Female Reducer CL9
308	Reducer, (all size)
324	Equal Tee (all size)
327	FABRICATED CLASS 9 PVC FITTINGS:
328	PVC BEND, MXF, Cass 9 (all size)
337	GALVANIZED FABRICATED STEEL FITTINGS
339	DISTRIBUTION TRANSFORMER, 3 PHASES,500 KVA,11/0.4 KV
340	CONTROL PANEL & ALL ELECTRICAL ACCESSORIES
341	River Pump, 15Kw 400VAC,Q=210m3/h,H=10m,I=0.8"
342	Booster Pump 55kW 400VAC,Q=130m3/h,H=88m
343	SPRINKLERS
344	Vyrsa plastic sprinkler with 9/64" Nozzle
345	Vyrsa 36 plug.
346	Riser pipe galv steel ,3/4"BSP x 1.2m ,Mx F
347	Riser pipe galv steel ,3/4"BSP x 1.0m ,Mx F
348	Mono saddle ,B91,500mm x 20BSP outlet, with Bolts,nuts and gasket
349	Support batten for B91 SADDLE, 400mm wide
350	LATCH TYPE IRRIGATION TYPE
351	Latch type irrigation pipe ,galv,6mx50mm,drilled for saddle, with rubber seal ring.
352	Latch type irrigation pipe ,galv,6mx50mm,undrilled, with rubber seal ring.
353	Latch type irrigation pipe,gal,6m x76mm undrilled, with rubber seal ring



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
354	Latch type end caps,galv,50mm
355	Latch type end caps,galv,76mm
356	Latch type side outlet reducing tee,76x50mm
357	Latch type Female threaded adaptor,galv,76x80BSP
358	M16 x 50 mm galv Hex Bolts & Nuts
359	PTFE Tread Sealing Tape
360	80 x50mm galv Reducing socket
361	50mm galv Barrel Nipple
362	PVC Fabricated RO Bend, Class all size
366	PVC Fabricated RO Tee, Class all size
371	PVC FITTINGS IN MAIN NETWORK
372	PVC Fabricated Mx F Reducer, Class all size
381	PVC Fabricated M x F Bend, Class all size
395	PVC Fabricated Reducing Tee, Class all size
398	PVC Equal Tee, Class all size
400	PVC Fabricated Endcap, Class 9.140mm(Temporary use until Phase 3)
401	PVC Fabricated Endcap, Class 9.160mm(Temporary use until Phase 3)
402	Butterfly Valve, lever operated, 80mm
403	80mm T/D Screwed Flange, galv
404	80mm galv swage Nipple
405	PTFE Thread Sealing Tape
406	M16 x 100mm galv Hex Bolts with Nuts
407	25mm galv Barrel Nipple
408	RISER OUTLET FITTINGS:
409	80 x 50mm galv Reducing Socket
410	50mm galv Barrel Nipple
411	PVC Fabricated RO Bend, Class 16, 63mm x 50 BSP
419	PVC FITTINGS IN MAIN NETWORK
420	PVC Fabricated M x F Reducer, Class all size
447	PVC Fabricated Reducing Cross, Class 16.160 x 90mm
448	CENTRE PIVOT IRRIGATION
449	Flanged concentric Reducer,galv,150x80mm BS
450	Flanged steel pipe,galv,80mm T/D x0.8 meter.50mm socket weldel onto pipe
451	Butterfly valve lever operated,80mm
452	Rubber IR Sealing Ring,150mm
453	Rubber IR Sealing Ring,80mm
454	M16 X55mm galv Hex bolts with nuts
455	M16 X110mm galv Hex bolts with nuts
456	Brrel nipple galv 50mm
457	Brass gate valve 50mm
458	Uni- rain double purpose air valve 50mm



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
459	Fabricated FOB Elbow,Class16 110mmx80 T/D
460	Fabricated FOB Elbow,Class16 125mmx80 T/D
461	PVC Fabricated FOB Tee ,class16,125mmx80 T/D
462	PVC Fabricated FOB Tee ,class16,200mmx80 T/D
463	PVC Fabricated MxF Reducer,class9,125x110mm
464	PVC Fabricated MxF Reducer,class9,200x110mm
465	PVC Fabricated Reducing Tee,class16,200x125mm
469	PVC piping for main line
470	uPVC pipe with rubber coupling , all size
491	Fabricated PVC Repair Coupling, all size
501	DISTRIBUTION TRANSFORMER 3 PHASES,500 KVA, 11/0.4 KV
502	CONTROL PANEL & ALL ELECTRICAL ACCESSORIES
503	Booster Pump, 37KW 400VAC,Q=118m3/h
504	Booster Pump,18.5KW 400VAC,Q=59.5m3/h
505	FILTER BACKWASH SYSTEM, COMPONENT AND SOFTWARE
506	Nozzel, Impact type-full circle 5035
507	SPRINKLER LATERAL PIPE,portable,shiftable and movable,75mm PN 6.3
508	G.M. Valve 2.5"
509	Pressure pilot:on and off
510	Butter fly valve 3"
511	PVC air release valves 1"
512	3" Manual PP Bypass valve
513	Pressure regulator/reducing, Make :Cla val, DN80 PN 16
514	Dripline,J-Turbo Aqura/Findrip 16mm,2.2lph,50cm,Thickness 16 Mil"
515	PVC Flush 75mm
516	Manual By pass valve ,PP 2.5"
517	PVC Pipe all size and specification
528	PVC MTA, 63MM,PN6
529	PVC MTA, 75MM PN 6
530	PVC MTA, 90MM PN 6
531	PVC MTA, 110MM PN 6
532	PVC FTA,63MM,PN6
533	PVC FTA,75MM PN 6
534	PVC FTA,90MM PN 6
535	PVC ELBOW,63MM,PN6
536	PVC ELBOW,75MM PN 6
537	PVC ELBOW,90MM PN 6
538	PVC Coupler 63mm PN 6
539	PVC Coupler 75mm PN 6
540	PVC Coupler 90mm PN6
541	PVC Coupler 110mm PN 10
542	PVC Coupler 140mm PN 10



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
543	PVC Coupler 160mm PN 10
544	PVC Coupler 200mm PN 10
545	PVC Coupler 250mm PN 10
546	PVC Rubber Ring Socket 63mm PN 6
547	PVC Rubber Ring Socket 75mm PN 6
548	PVC Rubber Ring Socket 90mm PN 6
549	PVC Rubber Ring Socket 110mm PN 10
550	PVC Rubber Ring Socket 140mm PN 10
551	PVC Rubber Ring Socket 160mm PN 10
552	PVC Rubber Ring Socket 200mm PN 10
553	PVC Rubber Ring Socket 250mm PN 10
554	QC Connector male 75mm
555	QC Tee 75mm
556	QC Elbow 75mm
557	QC end cap 75mm
558	GMV 3"X 1m long
559	PVC Reducer 75x63mm
560	PVC Reducer 90x75mm
561	PVC Reducer 110x90mm
562	PVC Reducer 140x110mm
563	PVC Reducer 160x140mm
564	PVC Reducer 200x160mm
565	PVC Reducer 250x200mm
566	Repair collar 90mm
567	Repair collar 110mm
568	Repair collar 200mm
569	Repair collar 250mm
570	Sand Media 25kg bags for sand filter
571	DISTRIBUTION TRANSFORMER 3 PHASES, 450 KVA, 11/0.4 KV
572	DISTRIBUTION TRANSFORMER 3 PHASES, 250 KVA, 11/0.4 KV
573	ELECTRICAL CABLES
574	CONTROL PANELS & ALL ELECTRICAL ACCESSORIES
575	Raccordement prise avant haut, REFFERENCE: 33608, FABRICANT: Schneider electric
576	Raccordement prise avant bas, REFFERENCE: 33609, FABRICANT: Schneider electric
577	Cashe borne 4P, REFFERENCE: 33629, FABRICANT: Schneider electric"
578	Contact auxiliaire, REFFERENCE: 33108, FABRICANT: Schneider electric
579	Transformateur de courant TCB 55-80 800A/5A, FABRICANT: SOCOMEC
580	Disjoncteur Uni-Neutre 16A/C REFFERENCE: 24202, FABRICANT: Schneider electric, Bloc differentiel VIGI 30mA, REFFERENCE: 26509, FABRICANT: Schneider electric
581	Contact auxiliaire of (POSITION 1 ET 4); REFFERENCE: GV7AE11, FABRICANT: Schneider electric



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
582	Cashe borne, REFFERENCE: GV7AC01, FABRICANT: Schneider electric"
583	Cadran ampermétrique VLT EN FAÇADE 0-200A, REFFERENCE: 16011, FABRICANT: Schneider electric
584	AMPERMETR VLT EN FAÇADE 0-200A, REFFERENCE: 16004, FABRICANT: Schneider electric
585	Transformateur de courant REFFERNCE: 16456, FABRICANT: Schneider electric
586	KIT DE MONTAGE + TEMPO POUR ETOILE/ TRIANGLE, REFFERENCE: LA9D8017, FABRICANT: Schneider electric"
587	Boite BP arret d'urgence, REFFERENCE: XALK178, FABRICANT: Schneider electric
588	Commutateur a trois position fixes, REFFER4ENCE: XB4BD33, FABRICANT: Schneider electric
589	Contact NO, REFFERENCE: ZBE101, FABRICANT: Schneider electric
590	Relais de commande pour protection thermique A Thermistance PTC - 48VAC, REFFERNCE: LT3SA00MW, FABRICANT: SCHNEIDER Electric
591	RELAIS DE COMMANDE 5NO 48VAC, REFFERENCE: CAD50E7, FABRICANT: Schneider electric
592	API & ALL ACCESSORIES AND WIN SOFREL PC SOFTWARE
593	HOUSING S550 CPU Power 230VAC Reference: T9950A100 LACROIX SOFREL
594	CARD MODEM GSM / GPRS + ANTENNA DUAL BAND , REFFERENCE : V5900520 , MANUFACTURER: LACROIX SOFREL"
595	OMNI ANTENNA 869 Mhz 8Db , Reference: H = 1.5m T005021, Manufacturer: LACROIX SOFREL
596	MODEM CARD DL / HF Reference: V5900550, Manufacturer: LACROIX SOFREL
597	COAX RG213 NM 20m / NF Reference: T0020309, Manufacturer: LACROIX SOFREL
598	Kit of MOTOROLA radio
599	KIT MECANIQUE POUR MONTAGE RADIO COFFRET, Reference:T4300253 Manufacture: LACROIX SOFREL
600	KIT CONNECTIQUE POUR POSTE RADIO 150-440Mhz T120040 LACROIX SOFREL Référence: T005008, Fabricant: LACROIX SOFREL"
601	CNPI PRESSURE LEVEL ANALOGIC AND NUMERIC SENSOR OF THE DAM AND ANCHORAGE
602	ALUMINUM
603	ON FIELD MAIN LINES, Aluminum, PN 4, DN 80mm
604	ON FIELD LATERAL LINES,Aluminum, PN 4,DN 50mm
605	RISERS (DN20), Aluminum, PN 4, DN 20mm
606	F30, Full circle, Brass 3/4., Base thread male, wetted DIA 18m; Pressure range 20-80 PSI; Nozzle range: 9/64"-7/32"
607	VALVES, Aluminum, DN50
608	CROSS ( 4 WAY TEE), Aluminum, DN80XDN50
609	TEE, Aluminium, DN50XDN20
610	END CAP, Aluminium,DN80
611	END CAP, Aluminium, DN50



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
612	ALUMINIUM STANDS
613	PIPE CONNECTORS, Aluminium, DN50
614	SADDLE CLAMP,Aluminium, DN80
615	SADDLE CLAMP, Aluminium,DN50
616	CONNECTOR ON HYDRANT, Aluminium, DN80
617	PVC DN 315mm, PN 10 bars
618	PVC DN 250mm, PN 10 bars
619	PVC DN 200mm, PN 10 bars
620	PVC DN 160mm, PN 10 bars
621	PVC DN 110 mm, PN 10 bars
622	PVC DN 90mm, PN 10 bars
623	PS9K AC CONTROLLER,Pump motor rated power : 7.5 Kw PUMP PS9K CSJ17-11,Head Range - 50 to 90 Mtr Annual average water output - 145 M3/Day MaX Flow Rate : 25 M3/Hr
624	PSk2-15 AC CONTROLLER,Pump motor rated power : 15 Kw
625	SUBMISSIBLE PUMP C-SJ17-18
626	MOTOR : Rated Power : 9.5 Kw Speed Range : 1150-3080 RPM
627	Optic-sound 3010C sensor (non-contact ultrasonic level meter)
628	95 Convertor For reading the values from optic- sound sensor
629	Timer Switch 24 Hours ARM 250 VAC- 16 A (Contactor ,ABB 75A/400 v~ 4 poles with 2 auxiliaries Contacts,230V-50 Hz, A600P600 24VDC) Contactor A600P600 24VDC,Main contacts: normal closed"
630	Cables OZOFLEX PLUS 4G16
631	Cables OZOFLEX PLUS 10G1.5
632	Cables H07V-K Cable 4x95 mm2
633	Cables 4x25 mm2 copper Cable
634	Cables PRYSMIAN H072-K 1X25mm2
635	Cables 4X1.5mm2
636	Cables 4X2.5mm2
637	Cables 1X1mm2
638	Control relay Phase ABB CM-PFE
639	Surge arrestor Imax:40kA , ,Uc:275V~,In: 20kA,Up:1.4kV
640	Current transformer 50/5A
641	Plot lamps 230VAC
642	Signal lamps 24 VDC
643	Min motor Siren MS-190 24V DC
644	Computer screen HP 100-240VAC,50/60 Hz,1.2A
645	CPU,keyboard ,mouse HP,Intel dual core processor, Ram-4 GB, Hard disc 500 GB
646	Printer HP CP1025 LaserJet
647	UPS& accessories (In put: 230V/50HZ, Output:230/50Hz)
648	Electrician toolbox STANLEY 53 sets
649	Fire extinguisher CO2,Dry Powder,5kg



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
652	Junction Boxes :Water proofed SASSIN,10x10 x70 Cm, EC 400C6 ,IP:55
653	Cable ties JEONO 008
654	Lubricant SAE 15W40
655	2.5 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable
656	4.0 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable
657	6.0 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable
658	10 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable
659	16 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable
660	25 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable
661	Surfex 2.5mm x 3-Core PVC Copper Cable
662	Scotch cast 82-A1 Cable Splice Kit unit
663	Scotch cast 82-A2 Cable Splice Kit unit
664	Earth wire, 4 mm <sup>2</sup>
665	Valley Copper Earth Spike with Clamp
666	EAVE Box (12-Way)
667	Level Switch, Floating Type
668	Fluorescent Tube, 40 Watt, 1200mm
669	Globe, Clear, Single BC, 60 Watt
670	Conduit Box, 1 way, SABS, 20mm
671	Conduit Box, 2 way angle, SABS, 20mm
672	Conduit Box, 2 way through, SABS, 20mm
673	Conduit Box, 3 way, through SABS, 20mm
674	Conduit Box, 4 way, SABS, 20mm
675	Conduit Box Lid, SABS, 20mm x 50mm
676	Conduit Coupling, PVC, SABS, 20mm
677	Conduit, PVC, SABS, 20mm x 4m
678	Conduit PVC Glue, 200 ml
679	Conduit Bending Spring, 20mm
680	Conduit Saddles, SABS, PVC
681	Conduit Adaptor, Male, SABS, 20mm
682	Conduit Inspection T-Piece, SABS, 20mm
683	Conduit Inspection Elbow, SABS, 20mm
684	Scruits, PP100
685	Extention Box, White, 100mm x 50mm
686	Extention Box, White, 100mm x 100mm
687	Cover Plate, Blank, 100mm x 100mm
688	Light Switch with Cover Plate, 1L 2-Way
689	Light Switch with Cover Plate, 2L 1-Way
690	Light Switch with Cover Plate, 3L 1-Way
691	Plug Switch with Cover Plate, Duo, and PP! 100mm x 100mm
692	Cable Earth Bare Copper, 2.5mm
693	V3E/N LINE MONITOR



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
694	Voltage control relay
695	Voltmeter
696	Ampere meter
697	Push Button
698	Push Button
699	VFD : Frequency Convertor
700	G.I. Elbow 3"
701	G.I. Elbow 2.5"
702	G.M. Gate valve 1"
703	G.M. Gate valve ¾"
704	G.I. Threaded end cap 1"
705	G.I Threaded end cap 3/4"
706	G.I Riser Pipe 1"x6" long
707	G.I Riser Pipe ¾" x6" long
708	Interrupteur-Disjoncteur NS800H 70kA 4P, REFERENCE: 33235, FABRICANT: Schneider electric
709	CARD MODEM RADIO HF 869 Mhz Refference : T9950A100 , Manufacturer: LACROIX SOFREL
710	Adapter 1m RG58 FME F / NM REFFERENCE : T4400200 , Manufacturer: LACROIX SOFREL
711	8DI CARD REFFERENCE: V5900210, Manufacturer: LACROIX SOFREL
712	4AI CARD REFFERENCE: V5900250, Manufacturer: LACROIX SOFREL
713	MODULE 16DI, Reference: V6900210, Manufacturer: LACROIX SOFREL
714	660
715	BATTERY CAPACITOR 2.7 W / kvar for classic cabinets
716	BATTERY CAPACITOR 3.1 W / kvar for classic cabinets
717	BATTERY CAPACITOR 8.7 W / kvar for classic cabinets
718	AIR COMPRESSOR, 2.20 kW 400V 5.10A 50Hz PF:0.81 RPM:1430 IP:55
719	AIR COMPRESSOR, 2.16 kW V/ph/Hz: 400/3/50 RPM:1500,4.40 l/s
720	KSB PUMP KSB AMACAN PA4 600 350/404UAG Q: 1807 m3/h, Tmax: 40°C,560 Kg, IP: 68, Height: 5.9 m
721	SUBMESSIBLE KSB MOTOR DKA 160.4-40, 40kw-400V, 50HZ , Ia/In=5.40 ;82A, CosΦ=0.82, Duty cycle : S1, Class: H
722	Centrifugal pump H=24m 140m3/h 11kW F65/160B
723	Pump PS9k CSJ17-11 head rage 50m-90m,annual average water output 145m3/day, Max flow rate 25m3/hr
724	Motor pump KSB 300L-5 Q 275 l/s, HMT 5m,Pa=19.8kW, N 986 tr/mn, Rd:72%, NPSH 3m
725	Motor pump KSB 300L-4 Q 275 l/s, HMT 4m, Pa=15.1kW, N 986 tr/mn, Rd:71.5%, NPSH 2.8m
726	Small submersible pump Qmax 27m3/h, Hmax 12m motor 0.75kW 1x240Volt class F, IP 68



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
727	TRANSFORMER 30/0.4 KV 100 KVA 50HZ
728	Impeller for CAPRARI Pump MEC100/260-5A
729	Impeller for CAPRARI Pump MEC-MR 100/2E
730	Shaft for CAPRARI Pump MEC100/260-5A
731	Shaft for CAPRARI Pump MEC-MR 100/2E
732	Fire extinguisher Co2 dry powder
733	Labor charge per day per person (specialised casual labor - mason)
734	Labor charge per day per person (ordinary casual labor - aide-mason)
735	Distribution Transformer 3 PHASES, 250 KVA, 30Kv/0.4V Dyn11 50Hz
736	PUMP, Q max:27m3/hr Hmax:12m Motor 0.75Kw, 1x240V Class: F IP: 68, Small submersible Pump
737	Amacan P Submersed pump,AMACAN PA4600 350/404 VAC,Q:1807 m3/h,Tmax: 40°C,IP: 68,Height: 5.9m
738	Flow rate meter,With 2108 Analog Output Module
739	CIRCUIT BREAKERS
740	Control panels Fan,230V-50Hz
741	POWER METERLOGIC, Central de Mesure POWER METER LOGIC .CM1.04
742	CIRCUIT BREAKER , CIRCUIT BREAKER NSX250F 4P , Q4.04
743	CIRCUIT BREAKER , CIRCUIT BREAKER NSX400F 4P , Q1.04"
744	MAGNETO-TERMAL CIRCUIT BREAKER ,MAGNETO-TERMAL CIRCUIT BREAKER 2P MC 102A ,FU2.04
745	MAGNETO-TERMAL CIRCUIT BREAKER , MAGNETO-TERMAL CIRCUIT BREAKER 2P MC 102A ,FU3.04
746	CIRCUIT BREAKER , CIRCUIT BREAKER IC60 4*63A ,Q1.05/Q2.05
747	CIRCUIT BREAKER , CIRCUIT BREAKER IC 120H 3*80A ,Q4.05
748	CIRCUIT BREAKER, CIRCUIT BREAKER IC60 2*32A ,Q1.06
749	CIRCUIT BREAKER , CIRCUIT BREAKER IC60 2*10A ,Q3.06
750	CIRCUIT BREAKER , CIRCUIT BREAKER NSX400F 4P , Q1.04
751	MAGNETO-TERMAL CIRCUIT BREAKER , 3P MC 102A MAGNETO-TERMAL CIRCUIT BREAKER , FU1.05
752	Circuit Breaker, NSX160F TMD 125- 4P4d , QG1.04
753	CABLE, U1000R2V AD8 3G1.5 / PVC DN20 , Switch Level1/ and 2
754	CABLE, U1000R VFV 4G70 / PVC DN100 , Control Panel Cable Size TGB
755	U1000R2V 27G1.5 / PVC DN32
756	CABLE, U1000R2V /3G1.5 / PVC DN20 , Control room
757	CABLE, U1000R2V /3G2.5 / PVC DN20 ,Control room
758	CABLE, U1000R2V 5G16 / PVC DN32 , COFFRET PRISE TYPE
759	CABLE, U1000RVFV /4G150 , Transformer Cable
760	CABLE, U1000RVFV /4G70 , Control Panel
761	CABLE, U1000R2V /3G6 , TD
762	CABLE, U1000RVFV /4G16 , Capacitor
763	Instrumentation Cable ,Instrumentation Cable 4G1.5 / PVC DN20 Unit: m ,Sonde Palier 2



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
764	CABLE, U1000R2V /AD8 3G1.5 , Switch Level
765	Instrumentation Cable , Instrumentation Cable 4G1.5 / PVC DN20 Unit: m , Sonde Palier 2
766	CABLE, U1000R2V AD8 3G1.5 / PVC DN20 , Switch Level1/ and 2
767	CABLE, U1000R2V /27G1.5 , Control Panel
768	CABLE, U1000R VFV 4G70 / PVC DN100 , Control Panel Cable Size TGB
769	CABLE, U1000R2V 12G1.5 / PVC DN32 , Control Panel Cable Size
770	CABLE, U1000R2V /3G1.5 (éclairage) / PVC DN20 , Loge du gardien
771	CABLE, U1000R2V 27G1.5 / PVC DN32 , Control Panel TGBT
772	CABLE, U1000R2V 5G16 / PVC DN32 , COFFRET PRISE TYPE
773	CABLE, U1000R2V /3G2.5 (prise) / PVC DN20 , Loge du gardien
774	CABLE, U1000RVFV / 4G150 , Transformer Cable
775	CABLE, U1000RVFV / 4G70 , Control Panel
776	U1000R2V /3G6
777	CABLE, U1000RVFV /4G16 , Capacitor
778	CABLE, U1000R2V /27G1.5 , Control Panel
779	CABLE, U1000R2V / 12G1.5 , Control Panel
780	CABLE, U1000R2V / 3G1.5 (éclairage)/PVC DN20 , Loge du gardien
781	CABLE, U1000R2V / 5G16 , Coffret Prise Type 1
782	CABLE, U1000R2V /5G6 , Coffret Prise 2
783	CABLE, U1000R2V /3G2.5 (prise) / PVC DN20 , Loge du gardien
784	CABLE, 25mm*2mm, EARTH MAT
785	RELAY, TEMPORISED RELAY 0-300s ,KA2.14
786	Brass Ball valve 1/2 "PN16
787	Non Return Valve CI 10 Inch
788	Sakuragawa Pump Model U-4308: Bearing 6310-2Z/C3
789	Sakuragawa Pump Model U-4308:Bearing 6312-2Z/C3
790	Sakuragawa Pump Model U-4208: Bearing 6308-2Z/C3
791	Rapid Allweiler,Ball Bearing NJ308E/C4
792	Rapid Allweiler,Roller Bearing 3308/C4
793	Rapid Allweiler,Bearing (Motor) 6311/C4
794	Rapid Allweiler,Bearing cover 470BCOVERCI/FM
795	Spring Mechanical Seal
796	Sakuragawa Pump Model U-4308: Mechanical seals MW45CEL
797	Sakuragawa Pump Model U-4208:Mechanical seals MW35C
798	Impellers for lot 4 pump
799	Rapid Allweiler,Impeller 65-250 CI/CIPG
800	Rapid Allweiler, IMPELLER KEY 940.1
801	Rapid Allweiler, DRIVE KEY 940.2
802	Sakuragawa Pump Model U-4308: Impeller
803	Sakuragawa Pump Model U-4208:Impeller 10343
804	Sakuragawa Pump Model U-4308: Impeller key
805	Sakuragawa Pump Model U-4208: Impeller key K7725A



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
806	Sakuragawa Pump Model U-4208:Impeller collars, 74063T03
807	Sakuragawa Pump Model U-4208: Impeller collars, 74063T05
808	ISakuragawa Pump Model U-4208: Impeller collars, 74063T11
809	Valley SELECT2 Control Panel on machine
810	End-of-Field Stops for part circle machines for VALLEY
811	PUMP, Q max: 27m <sup>3</sup> /hr Hmax:12m Motor 0.75Kw, 1x240V Class: F IP: 68, Small submersible Pump
812	Water blocking Vane, 2000*1500 mm, Gear Type: 1510.100c16R4xxL14, Ratio: 4:1, Max Torque : Man/Mot (Nm)1400/1000, Temperature -25° to +70°C"
813	Water blocking Gate 2000*1500 mm
814	F.O.B. Elbow, 200mm x 100 T/D
815	F.O.B. Elbow, 250mm x 100 T/D
816	F.O.B. Elbow, 200mm x 150 T/D
817	F.O.B. Elbow, 160mm x 100 T/D
818	F.O.B. Elbow, 140mm x 100 T/D
819	F.O.B. Elbow, 125mm x 100 T/D
820	F.O.B. Elbow, 110mm x 100 T/D
821	F.O.B. Elbow, 250mm x 80 T/D
822	F.O.B. Elbow, 200mm x 80 T/D
823	F.O.B. Elbow, 160mm x 80 T/D
824	F.O.B. Elbow, 140mm x 80 T/D
825	F.O.B. Elbow, 125mm x 80 T/D
826	F.O.B. Elbow, 110mm x 80 T/D
827	F.O.B. Elbow, 110mm x80 T/D
828	F.O.B. Elbow, 90mmx 80 T/D
829	F.O.B. Elbow, 75mmx 80 T/D
830	F.O.B. Elbow, 63mmx 50 T/D
831	F.O.B. Tee, 250mm x150 T/D
832	F.O.B. Tee, 250mm x100 T/D
833	F.O.B. Tee, 160mm x100 T/D
834	F.O.B. Tee, 160mm x80 T/D
835	F.O.B. Tee, 125mm x80 T/D
836	F.O.B. Tee, 110mm x80 T/D
837	F.O.B. Tee, 75mm x80 T/D
838	R.O. Tee, 200mm x80mm BSP
839	R.O. Tee, 160mm x80mm BSP
840	R.O. Tee, 140mm x80mm BSP"
841	R.O. Tee, 125mm x80mm BSP
842	R.O. Tee, 90mm x80mm BSP
843	R.O. Elbow, 90mm x80mm BSP
844	790 "R.O. Elbow, 75mm x80mm BSP
845	791 "R.O. Elbow, 63mm x50mm BSP



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
846	uPVC pipe with Lyng coupling (5.8m lengths), 355 class 65.8m lengths
872	Hendrickson Flow Control Valve, FC7904 (5.0 Usqpm)- 3/4
873	Hendrickson Flow control valve ,FC 7904(4.0 Usqm)-3/4
874	50mm F-BSP Socket welded on 150mm T/D x 1.2m Flgd Steel Pipe, FBE, galv. One flange must be flexi
875	3.57 150mm T/D x (150 ø x 0.60m) x 100mm T/D Flanged Reducer Pipe, galv. unit 3 1
876	80 x 50mm galv Reducing Socket
877	80mm galv Parallel Socket
878	Latch Type Side Outlet Reducing Tee, 76 x 50mm
879	Latch Type End Caps, galv, 76mm
880	Klamflex V-J Unifit Pipe Coupling, 355mm
881	Klamflex V-J Unifit Pipe Coupling, 315mm
882	Klamflex V-J Unifit Pipe Coupling, 250mm
883	Klamflex V-J Unifit Pipe Coupling, 200mm
884	Klamflex V-J Unifit Pipe Coupling, 160mm
885	CENTRE PIVOT IRRIGATION
886	Valley model 8120 centre pivot,complete standard 6-5/8" pivot centre, non towable 3 x (55mx5") spans and 17m overhang
887	Automatic valve closure on shut down/circle completion for Valley 8120
888	ELECTRICAL CABLES & EQUIPMENT(PIVOT ONLY) A, B & C ( SWA COPPER: INCLUDING 3% ADDITIONNAL LENGTH) Field underground electrical cables
889	Crimping Lugs all size
903	Crimping Ferrules, 2.5mm unit
910	Pre-Insulated Ring Terminals, 1.04-2.63mm Wire Size x 4mm Stud unit
911	Pre-Insulated Ring Terminals, 1.04-2.63mm Wire Size x 6mm Stud unit
912	Pre-Insulated Ring Terminals, 2.63- 6.64mm Wire Size x 5mm Stud unit
913	Pre-Insulated Ring Terminals, 2.63-6.64mm Wire Size x 8mm Stud unit
914	Pre-Insulated Hook Blade Terminals, 1.04 - 2.63mm Wire Size
915	Pre-Insulated Hook Blade Terminals, 2.63 - 6.64mm Wire Size
916	Fully Insulated Terminals, Female, 1.04 - 2.63mm Wire Size
917	Insulation Tape, Red x 20 meter
918	Insulation Tape, Blue x 20 meter
919	Insulation Tape, White x 20 meter
920	Insulation Tape, Yellow x 20 meter
921	Insulation Tape, Green x 20 meter
922	Cable Ties, 3.6mm x 140mm
923	Cable Ties, 4.8mm x 267mm
924	Cable Ties, 7.6mm x 385mm
925	4.0 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable meter
926	6.0 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable meter
927	10 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable meter
928	16 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable meter



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
929	25 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable meter
930	35 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable meter
931	240 mm <sup>2</sup> x 4-Core PVC SWA 600/1000 Volt Copper Cable meter
932	Submersible Pump Cable, 10.3 mm <sup>2</sup> meter
933	Scotch cast 82-A1 Cable Splice Kit
934	32A x 400V x 3-Phase Switched Interlocked Wall Socket, 3P+E, IP44/Splash Proof, Metal
935	16A x 400V x 3-Phase Splash Proof Plug, 3P+E, IP44, Moulded
936	Floating switch ENM-10 Liquid Level Regulator switch
937	Running Light for VALLEY
938	Lightning Arrestors for VALLEY
939	Low Pressure Switch for VALLEY
940	Phase Loss Contactor for VALLEY
941	Wheels: 13.6" x 24" with galvanized rims and tubes
942	9360917 - Swivel Stub Pipe 5"
943	9360919 - Last Stub Pipe 5"
944	9360918 - Fixed Stub Pipe 5"
945	9360913 - Inter Pipe Short 5"
946	360915 - Inter Pipe Long 5"
947	9363949 - Tower Pipe Long 5"
948	1780995 - Base beam N/T
949	1781323 - 8m O/H Pipe 4"
950	9360641 - 5m O/H Pipe 5"
951	9360676 - Last Stub Pipe 6 5/8"
952	9360685 - Inter Pipe Short 6 5/8"
953	9360646 - First O/H Pipe 6 5/8"
954	9360642 - Second O/H Pipe 6 5/8"
955	03E1540 -Transformer
956	KA09817 - SELECT2 Module
957	9311087 - Backlight Dual Power Supply unit 1 1
958	931K013 - Pressure Transducer unit 2 2
959	931K655 - Resolver Assy. unit 1 1
960	1812442 - Inter Tower box unit 2 2
961	1812441 - Time Delay Tower box unit 1 1
962	1811363 - Last Tower box unit 1 1
963	1701295 - Control Bar
5" MACHINES / 50MM HYDRAULIC VALVE	
COMBINATION & STANDARD EQUIPMENT AT PIVOT CENTRES:	
965	150mm T/D x (100ø x 1.20m) x 50mm T/D Flanged Reducer Pipe, galv. unit 26 1 11 8 7
966	80mm T/D x (80ø x 0.60m) x 50mm T/D Flanged Reducer Pipe, galv.
967	80mm T/D x 1.2m Flgd Steel Pipe, FBE, galv.
968	McProp Model M0304 Water Meter (4" Saddle)
969	150mm T/D x (100ø x 1.20m) x 80mm T/D Flanged Reducer Pipe, galv.



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
970	100mm T/D x (100ø x 0.600m) x 80mm T/D Flanged Reducer Pipe, galv.
971	100mm T/D x 1.2m Flgd Steel Pipe, FBE, galv.
972	3.30 McProp Model M0304 Water Meter (4" Saddle)
973	6-5/8" MACHINES / 80MM HYDRAULIC VALVE COMBINATION
974	200mm T/D x (100ø x 1.20m) x 80mm T/D Flanged Reducer Pipe, galv.
975	100mm T/D x (100ø x 0.60m) x 80mm T/D Flanged Reducer Pipe, galv.
976	100mm T/D x 1.2m Flgd Steel Pipe, FBE, galv.
977	McProp Model M0304 Water Meter (4" Saddle)
978	200mm T/D x (150ø x 1.20m) x 100mm T/D Flanged Reducer Pipe, galv.
979	FABRICATED CLASS 9 PVC FITTINGS:
980	PVC BEND, MXF, Class 9, 315mm x 22.5°
981	FITTINGS AT PIVOT CENTRE:
982	Flanged bend,galv,drilled BS10 table D 80mm x90° With 50mm socket welded on.
983	Flanged steel pipe galv 80mmT/D X 1.2m, for Valley 8120
984	Fittings in the field :
985	Hydraulic valve 3"
986	C.I. Non Return Valve 10"
987	Auto Quick Pressure Relief Valve3"
988	Pressure Relief valve 3"
989	Pressure Relief valve 2"
990	CONTROL PANELS & ALL ELECTRICAL ACCESSORIES
991	Unite de controle selective + Protection differential, REFERENCE: 33514, FABRICANT: Schneider electric"
992	Commande rotative standard Telescopique, REFFERENCE: 33878, FABRICANT: Schneider electric
993	Verset classic Automatique avec protecion 70kVAR, REFFERENCE: 52874, FABRICANT: Schneider electric
994	DISJONCTEUR MOTEUR MAGNETOTHERMIQUE 90- 150A, Reference: GV7RE150, FABRICANT: Schneider electric
995	Contacteur Tri 80A 48VAC AC-3, REFFERENCE: LC1D80E7, FABRICANT: Schneider electric
996	Kit of MOTOROLA radio
997	ALIMENTATION 12V-5A AVEC CHARGEUR T0140102 LACROIX SOFREL
998	ALIMINIUM
999	AIR RELEASE VALVES, PN 16 DN 100mm
1000	AIR RELEASE VALVES PN 16 DN 80mm
1001	AIR RELEASE VALVES PN 16 DN 60mm
1002	PRESSURE REGULATORS, PN 10, DN 80mm
1003	DISCHARGE REGULATORS, Q=15m3/h; DN 80 mm
1004	950 AIR DRAIN COCK SINGLE FUNCTION,PN 16 bars, DN 100mm
1005	AIR DRAIN COCK SINGLE FUNCTION,PN 16 bars, DN 80mm
1006	AIR DRAIN COCK SINGLE FUNCTION,PN 16 bars, DN 60mm



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
1007	Commutating switch SASSIN XA2-BD33
1008	Low voltage Molded Case Circuit Breaker 250 A/400v~
1009	Fluorescent Fitting Box, Double, 1200mm with diffuser
1010	Light Fitting, Water Resistant, PVC, With Day/Night Sensor, 60 Watt
1011	Fluor Starters
1012	Spring mechanical seal
1013	Bearing 6314/C3
1014	Power meter DRIS A20
1015	Frequency Convertor ASC550-01-087A-4
1016	Frequency Convertor Drive(VFD) Altivar 630/930 /Variable speed drive, Altivar Process ATV600, ATV630, 37kW/50 hp, 200...240 V, IP21/UL type 1
1017	ULTRASONIC SENSORS FDU91/91F/92/93/95/96
1018	TRANSMITTER PROSONIC S FMU90
1019	CIRCUIT BREAKER IC602*2A
1020	CIRCUIT BREAKER C 120N 4*80A
1021	CIRCUIT BREAKER, CIRCUIT BREAKER IC60 4*32A
1022	MAGNETO-THERMAL CIRCUIT BREAKER 3P MC 102A
1023	CIRCUIT BREAKER IC60H 2P 32A DC
1024	SURGE ARRESTER IPRF1 12,5k 3P+N
1025	CIRCUIT BREAKER IC60 2P 3A COURBE C
1026	CIRCUIT BREAKER IC60 2P 2A COURBE C
1027	CIRCUIT BREAKER IC60 2P 10A COURBE C
1028	CIRCUIT BREAKER IC60 2P 63A COURBE C
1029	SITOP PSU100 SIEMENS DC 24V/40A
1030	MODULE SITOP SIEMENS DC-USV-Modul 40
1031	BLOC OF BATRIES SITOP 24V
1033	COUPLEUR DE COMMUNICATION RS4 85
1034	Fan filter, NSYCAG223LPF /Schneider
1035	Resistance chauffe, NSYCR100WV2C
1036	PORTE FUSIBLE BI 10x38, 15651/ SCHNEIDER ELECTRIC/fuse-disconnector STI - 2 poles for fuse 10.3 x 38 mm
1037	PORTE FUSIBLE TETRA 14x51, 15651/ SCHNEIDER ELECTRIC/ TeSys fuse-disconnector - 4P - 50A - fuse size 14 x 51 mm
1038	PORTE FUSIBLE TRI 10x38, 15656/SCHNEIDER ELECTRIC
1039	PARAFoudre TETRAPOLAIRE, 49821442/ SOCOMEC
1040	VOYANT BLANC, XB4BVG1/ SCHNEIDER ELECTRIC
1041	VL A DEL ROUGE 24VDC, XB4BVB4 / SCHNEIDER ELECTRIC
1042	PLATINE A DIODE TEST LAMPE, 36631/ LEGRAND
1043	CADRAN AMPERMETRE VLT EN FACADE 0-200A, 16011/SCHNEIDER ELECTRIC
1044	BPL VERT A DEL VERTE 48VAC, XB4BW33G5/ SCHNEIDER ELECTRIC
1045	ALIMENTATION 230V/24VDC 1.75A, 2868648/ PHOENIX CONTACT
1046	BORNE SIMPLE 0.25-4 <sup>2</sup> GRIS, 20021301/ WAGO



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
1047	BORNE SIMPLE 50 <sup>2</sup> GRIS, 285150/ WAGO
1048	BORNE DOUBLE 0.25-4 <sup>2</sup> GRIS, 20022201/ WAGO
1049	DISJONCTEUR TETRAPOLAIRE 32A/C, 24231/ SCHNEIDER ELECTRIC
1050	DISJONCTEUR UNI+NEUTRE 4A/C, 24186/SCHNEIDER ELECTRIC
1051	DISJONCTEUR 100A NSX100N, LV429840/ SCHNEIDER ELECTRIC
1052	DISJONCTEUR BIPOLAIRE 50A/C, 24207/ SCHNEIDER ELECTRIC
1053	DISJONCTEUR UNI+NEUTRE 10A/C, 24188/ SCHNEIDER ELECTRIC
1054	DISJONCTEUR TRIPOLAIRE 40A/C, 24219/ SCHNEIDER ELECTRIC
1055	DISJONCTEUR BIPOLAIRE 2A/D, 24581/ SCHNEIDER ELECTRIC
1056	DISJONCTEUR UNIPOLAIRE 10A/C, 24175/ SCHNEIDER ELECTRIC
1057	DISJONCTEUR BIPOLAIRE 1A/D, 24580/ SCHNEIDER ELECTRIC
1058	DISJONCTEUR UNI+NEUTRE 16A/C, 24202/SCHNEIDER ELECTRIC
1059	DISJONCTEUR ELECTRONIQUE, 716401/ LUTZE
1060	BLOC DIFFERENTIEL VIGI 30mA, 26509/ SCHNEIDER ELECTRIC
1061	BLOC DIFFERENTIEL VIGI 30mA, 26543/ SCHNEIDER ELECTRIC
1062	BLOC DIFFERENTIEL VIGI 300mA, 26522/ SCHNEIDER ELECTRIC
1063	Fuse Holder, ABB XLP, Ue: 500V/690V, Ie: 160A
1064	TIMER RELAY, LAD52 1-30s, on travail/delay/ SCHNEIDER ELECTRIC
1065	Flow Meter KROHNE, 100-230 VAC 50-60Hz 8VA
1066	Robinet a vanne a opercule a bride ecartement court bars, DN 200mm, PN 10
1067	Vanne a opercule a bride, ecartement court, DN 80 mm, PN 10,
1068	MASSAL RESERVOIR, capacity 15000 Ltr
1069	Temperature monitoring relay Used to control motor over temperature or broken wire., MK 9163N 230V,3A,50/60hz
1070	Lightning protector in control panel: Line (0vrtd, 40 275C, imax:40kA, Uc:275V, 50/60HZ, Iv:20KA, Vp:14KV Neutral:0vrtd 270nc, Imax:70KA, Uc:255, 50/60hz, In:30KA, Up:14V
1071	Armoured 4*16mm <sup>2</sup> copper cable
1072	Armoured 4*35mm <sup>2</sup> copper cable
1073	Armoured 4*50 mm <sup>2</sup> copper cable
1074	Armoured 4*95 mm <sup>2</sup> copper cable
1075	Armoured 4*120 mm <sup>2</sup> copper cable
1076	Armoured 4*150 mm <sup>2</sup> copper cable
1077	Armoured 4*185 mm <sup>2</sup> copper cable
1078	Rewinding of tree phase asynchronous motor 7.5kW
1079	Rewinding of tree phase asynchronous motor 11kW
1080	Rewinding of tree phase asynchronous motor 15kW
1081	Rewinding of tree phase asynchronous motor 18.5kW
1082	Rewinding of tree phase asynchronous motor 22kW
1083	Rewinding of tree phase asynchronous motor 30kW
1084	Rewinding of tree phase asynchronous motor 45kW
1085	Rewinding of tree phase asynchronous motor 75kW



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
1086	Rewinding of tree phase asynchronous motor 90Kw
1087	Rewinding of tree phase asynchronous motor 315kW
1088	TRANSFORMER 30/0.4 KV 160 KVA 50HZ
1089	TRANSFORMER 30/0.4 KV 250 KVA 50HZ
1090	TRANSFORMER 30/0.4 kV 400 KVA 50HZ
1091	TRANSFORMER 30/0.4 kV 500 KVA 50HZ
1092	TRANSFORMER 30/0.4 kV 630 KVA 50HZ
1093	Hiring excavator machine per hour (including the driver, fuel and VAT)
1094	Crane charges hiring per day
1095	Mobilization and demobilization of one heavy equipment (Excavator machine, compactor, ... (go and back))
1096	MV HIGH VOLTAGE TYPE:INDOOR-OUTDOOR RATED VOLTAGE FUSE, 36KV RATED CURRENT:4A
1097	Analogue temperature transmitter, TRANSDUCER, ,pt100/pt1000 or thermocouple, output 0...10v, 3-wires (t91.10), DC 15...35V, 0...150°C. wika T91
1098	Mechanical seal for motor pumps, pumps lidering article 593,757-L6(BQFF)162,290-VDL SPRL Bon Liv 11,525 s/code :1900835
1099	Petrol Engine, suction lift 6-8 meters, Connection Size 2", 50m Head, Q=18m3/hr
1100	Petrol Engine, Suction lift 6-8 Mtrs, Connection Size 2", TDH = 20m, Q=12m3/hr
1101	Petrol Engine (KOSHIN) , suction lift 7-8m, Connection Size 2", Q= 36 m3/h @ TDH 30m
1102	Petrol Engine (KOSHIN), suction lift 7-8m, Connection Size: 3", Q= 63m3/h @ TDH 27m
1103	Petrol Engine (DAYLIFF), suction lift 7-8m, Connection Size: 2", Q= 30m3/h, TDH= 50m
1104	Petrol Engine (DAYLIFF), suction lift 7-8m, Connection Size: 2", Q= 30m3/h, TDH= 70m
1105	Petrol Engine, suction lift 7-8m, Connection Size: 3",Q= 63 m3/h,TDH= 30m
1106	Petrol Engine, suction lift 6-8 m, Connection Size: 2", Q= 30 m3/h,TDH= 70m
1107	Petrol Engine, suction lift 6-8m, Connection Size: 3", Q= 40 m3/h,TDH= 80m
1108	Diesel Engine, suction lift 6- 8 m, 2 ", TDH= 50m,Q=24m3/h
1109	Diesel Engine, suction lift 7-8m, 2", TDH 30m, Q= 30 m3/h
1110	Diesel Engine, suction lift 7-8m, 2", TDH 70m, Q= 20 m3/h
1111	Diesel Engine, suction lift 7-8m, 2", TDH 65m, Q= 30 m3/h
1112	Diesel Engine, suction lift 7-8m, 3", TDH 70m, Q= 38 m3/h
1113	Diesel Engine, suction lift 7-8m, 4", TDH 105 m, Q= 60 m3/h
1114	Diesel Engine, suction lift 7-8m, 4", TDH 250, Q= 10-20 m3/h
1115	Diesel Engine, suction lift 7-8m, TDH 150, Q= 30 m3/h, 23 HP
1116	5 m Flexible transparent suction Pipe (2") with inside wire
1117	5 m Flexible transparent suction Pipe (3") with inside wire
1118	10 m Flexible transparent suction Pipe (4") with inside wire
1119	Treadle pump complete with 3m lens suction pipe (32mm dia.) and foot valve Discharge 4000 liters/hr. @TDH 13m; suction lift 5-7m and delivery pipe of at least 15 m
1120	DC submersible pump + Solar panels + Accessories: Max Head: 80m, Max Flow: 6m3/h, Outlet: 50 mm, Current: 22 A, Power: 1300 W, Voltage: DC 60V



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
1121	DC submersible pump + Solar panels + Accessories: Max Head: 50m, Max Flow: 3m <sup>3</sup> /h, Outlet: 25 mm, Current: 25 A, Power: 600 W, Voltage: DC 24 V
1122	DC submersible pump + Solar panels + Accessories: Max Head: 10m, Max Flow: 6m <sup>3</sup> /h, Outlet: 32 mm, Current: 10 A, Power: 120 W, Voltage: DC 12 V
1123	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 100m, Max Flow: 1.8m <sup>3</sup> /h, Outlet: 40 mm, Current: 3 A, Power: 550 W, Voltage: AC 220 V
1124	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 150m, Max Flow: 1.8m <sup>3</sup> /h, Outlet: 40 mm, Current: 3 A, Power: 750 W, Voltage: AC 220 V
1125	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 50m, Max Flow: 6m <sup>3</sup> /h, Outlet: 40 mm, Current: 4.2 A, Power: 550 W, Voltage: AC 220 V
1126	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 150m, Max Flow: 6m <sup>3</sup> /h, Outlet: 40 mm, Current: 15.3 A, Power: 2200 W, Voltage: AC 220 V
1127	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 50m, Max Flow: 12m <sup>3</sup> /h, Outlet: 63 mm, Current: 10.8 A, Power: 1500 W, Voltage: AC 220 V
1128	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 80m, Max Flow: 12m <sup>3</sup> /h, Outlet: 63 mm, Current: 6 A, Power: 2200 W, Voltage: AC 3×415 V
1129	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 150m, Max Flow: 12m <sup>3</sup> /h, Outlet: 63 mm, Current: 10 A, Power: 4000 W, Voltage: AC 3×415 V
1130	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 80 m, Max Flow: 18m <sup>3</sup> /h, Outlet: 63 mm, Current: 7.9 A, Power: 3000 W, Voltage: AC 3×415 V
1131	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 100 m, Max Flow: 18m <sup>3</sup> /h, Outlet: 63 mm, Current: 10.2 A, Power: 4000 W, Voltage: AC 3×415 V
1132	AC Submersible pump + Controller + Solar panels + Accessories: Max Head: 140 m, Max Flow: 18m <sup>3</sup> /h, Outlet: 63 mm, Current: 13.1 A, Power: 5500 W, Voltage: AC 3×415 V
1133	Solar pump Type AC, 4 szw 10-120-5.5 kw, Max Head 148 m, Rated Flow=14m <sup>3</sup> /hr, Power= 5.5KW, Solar Power 11 Kw, Size: 38 mm, Total Weight 1140 KG Complete with suction lift and Pump house
1134	Solar pump Type AC, 4 szw 10-80-7.5 kw, Max Head 90 m, Rated Flow=28m <sup>3</sup> /hr, Power= 7.5KW, Solar Power 13.6 Kw, Size: 38 mm, Total Weight 1140 KG Complete with suction and Pump house
1135	Solar pump Type AC, 4 szw 20-100-11 kw, Max Head 120 m, Rated Flow=28m <sup>3</sup> /hr, Power= 11 KW, Solar Power 13.9 Kw, Size: 50 mm, Total Weight 1500 KG Complete with suction and Pump house
1136	Solar pump Type AC, 6 szw 40-90-15 kw, Max Head 130 m, Rated Flow=59m <sup>3</sup> /hr, Power= 15 KW, Solar Power 26 Kw, Size: 850 mm, Total Weight 2240 KG Complete with suction and pump house
1137	Sunflower Solar Pump, Lift 10m; horizontal pumping over 100m. Pumps 2,000 litres/hour – over 10,000 litres per day. Irrigates 0.2-0.8 ha per day. 80W solar panel and pump. Est. 10 year lifespan with 12 month warranty
1138	Sunlight pump, Q=45 l/min, TDH=40 m, pump type : positive displacement, complete with solar panels and accessories
1139	Solar panel
1140	Electric Pump, TDH: 93 m, Q=45m <sup>3</sup> /s, 19.5KW



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
1141	Electric Pump, TDH: 150 m, Q=36m <sup>3</sup> /s, 17.5KW
1142	Pump, Q= 3m <sup>3</sup> /h, TDH: 139 m, 1.1 KW
1143	Pump, Q= 4.2m <sup>3</sup> /h, TDH: 208 m, 2.2 KW
1144	Pump, Q= 12 m <sup>3</sup> /h, TDH: 200 m, 5.5 KW
1145	Pump, Q= 24m <sup>3</sup> /h, TDH: 125 m, 5.5 KW
1146	Layflat Pipe/Hose Pipe, 100 m, 4 inch, delivery pipe
1147	Layflat Pipe/Hose Pipe, 100 m, 3 inch, delivery pipe
1148	Layflat Pipe/Hose Pipe, 100m, 2 inch, delivery pipe
1149	Layflat Pipe/Hose Pipe, 100m, 1.5 inch, delivery pipe
1150	Horse pipes High Pressure resisting PN10, Quick Coupling 2 inch, easily connected to Rain guns, (30 m Length)
1151	Outlet Hosepipe, (32 mm). 10 bar pressure by 1 Mtr
1152	Outlet Hosepipe, (20 mm). 10 bar pressure by 1 Mtr
1153	Outlet Hosepipe, (25 mm). 10 bar pressure by 1 Mtr
1154	Dam sheets 480m <sup>2</sup> ,
1155	Dam sheets 250m <sup>2</sup> ,
1156	Dam sheets 120m <sup>2</sup> ,
1157	1,000 L Tank, Plastic Polyethylene
1158	2000 L Tank, Plastic Polyethylene
1159	3000 L Tank, Plastic Polyethylene
1160	2,500L Tank, Plastic Polyethylene
1161	5000L Tank, Plastic Polyethylene
1162	10000L Tank, Plastic Polyethylene
1163	Rain guns/Sprinklers
1164	Medium volume Rain gun
1165	Rain gun stand
1166	Irrigation pipes
1167	HDPE Quick coupling pipes, PN 10
1168	HDPE Quick coupling pipes, PN 10
1169	Light steel Latch coupling pipes, PN 10
1170	Light steel latch coupling pipes
1171	Accessory Fittings
1172	HDPE QC 90 degree bend fittings (75mm)
1173	HDPE QC 90 degree bend fittings (90mm)
1174	HDPE QC Tee pieces (75mm)
1175	HDPE QC Tee pieces (90mm)
1176	HDPE QC End caps (75mm)
1177	HDPE QC End caps (90mm)
1178	Light steel Latch type 90 deg. bend (75mm)
1179	Light steel Latch type 90 deg. bend (90mm)
1180	Light steel Latch type Tee pieces (75mm)
1181	Light steel Latch type Tee pieces (90mm)



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
1182	Light steel latch type End caps (75mm)
1183	Light steel latch type End caps (90mm)
1184	HDPE QC end caps (75mm)
1185	Light steel latch type end caps (75mm)
1186	G.I reducers 2-1/2 inch x 1-1/4inch
1187	QC pump connectors 3 inch
1188	Gate Valves 2-1/2 inch
1189	G.I nipples (0.3m lens) 2-1/2 inch
1190	G.I nipples (0.3m lens) 2 inch
1191	Brass Nozzel Sprinkler
1192	Plastic Nozzel Sprinkler (Mini Sprinkler)
1193	Plastic Nozzel Sprinkler (Micro Sprinkler)
1194	Rain gun Stand
1195	Rain gun Stand
1196	Metallic gate valve
1197	GI Nipple
1198	Light Steel Latch Coupling HDPE Pipes,6 Mtrs
1199	GI Elbow
1200	GI Reducer
1201	Non Return Valve
1202	Air Release valve
1203	Sand filter with back wash assembly
1204	Hydrocyclone filter
1205	Disc Filter (Plastic)
1206	Screen Filter (Plastic)
1207	Venturi with assembly
1208	Metalic Fertilizer Tank
1209	Header Assembly/Manifold (Metal)
1210	Header Assembly/Manifold (Plastic)
1211	Butterfly valve
1212	Ball Valve
1213	Flush Valve
1214	Rubber Grommet
1215	Start Connector/Take off
1216	Straight Connector/Joinner
1217	End Cap
1218	Joinner/ connector/reducer
1219	Online/Plain Lateral
1220	InlineLateral/Dripline,2LPH,30CM,(Thickness 0.4mm)
1221	Inline Lateral/Dripline,2LPH,40CM, (Thickness 0.4mm)
1222	Inline Lateral/Dripline,2LPH,50CM, (Thickness 0.4mm)
1223	InlineLateral/Dripline,2LPH,60CM,(Thickness 0.4mm)



IV. IRRIGATION EQUIPMENT, TOOLS AND INSTRUMENTS (SI)	
1224	InlineLateral/Dripline,4LPH,30CM,(Thickness 0.4mm)
1225	InlineLateral/Dripline,4LPH,40CM,(Thickness 0.4mm)
1226	InlineLateral/Dripline,4LPH,50CM,(Thickness 0.4mm)
1227	InlineLateral/Dripline,4LPH,60CM,(Thickness 0.4mm)
1228	4 Way Barb Connector
1229	2 Way Barb Connector
1230	Drip Kit for 500 SQ.Mtr
1231	Drip Kit for 1000 SQ.Mtr
1232	Drip Kit for 2000 SQ.Mtr
1233	Drip Kit for 4000 SQ.Mtr
1234	HDPE Pipe

V. POST HARVEST HANDLING AND STORAGE EQUIPMENTS AND MATERIALS (SI)	
1	Silos and accessories,
2	Warehouse ventilation and cooling systems,
3	Silos and warehouse weight bridges and weighing scales
4	Agriculture product processing plants,
5	Seed processing plant and accessories,
6	Material, equipment and products for laboratory seeds
7	Seed Bagging and Re bagging equipment with license,
8	Air conditioned containers,
9	Agriculture product inspection and testing Kits,
10	Grain threshing and drying machines
11	Cleaning, brushing, sorting and packing machines.
12	Packaging material
13	Refrigerated vehicles
14	Silos, warehouse, processing plants laboratory equipment
15	Welding Machine
16	Welding Rods
17	Grinding Machine With Grinding Disc
18	Grinding Disc
19	Cutting Disc
20	Drill Machine With its Bits and Accessories
21	Cutting Disc
22	Set Of Spanners
23	Set of Screwdrivers
24	Set of Pliers
25	Clamp Meter
26	Pressure Gauge



V. POST HARVEST HANDLING AND STORAGE EQUIPMENTS AND MATERIALS (SI)	
27	Air Compressor
28	Pipe Wrench Various Size
29	Jembe's
30	Rake
31	Trowels
32	Wheelbarrows
33	Sharpening Machine
34	Grain dryers and spare parts
35	Paddy cleaner and spare parts
36	Shutter scale
37	Bag sewing machine and spare parts
38	Automatic packet
39	Paddy husker
40	Destone
41	Winnowing machine
42	Boxes
43	Punnets
44	Harvester Machine
45	Cling film
46	Block Ribbon
47	Xsense
48	Cold room external protection structure: PU Sandwich Panel, sliding door, water proof, lifting beam, XPS floor and auxiliary material
49	Refrigeration system: condensing unity (air cooled), evaporator, expansion valve, electromagnetic valve, filter, sight glass, pressure controller, pressure gauge, oil separator, gas liquid separator, pipeline and insulation
50	Fruits Quality meter/hand testing tools
51	Agricultural product processing equipment and tools
52	Agricultural product harvesting tools and materials
53	Quality hand testing tools

VI. TISSUE CULTURE LABORATORY EQUIPMENT AND TOOLS	
1	Tissue culture laboratory structure and panels
2	Tissue culture laboratory machinaries parts and accessories
3	Clean bench (Biological Safety Cabinet)
4	Plant growth shelf with lighting system
5	Autoclave
6	Deionized water production equipment
7	Laboratory Bench



VI. TISSUE CULTURE LABORATORY EQUIPMENT AND TOOLS	
8	Heat-resistant laboratory bench
9	Analytical balance
10	Even balance
11	Dry heat sterilizer
12	Glass bead sterilizer
13	Transformer for laboratory equipment
14	Inverter generator
15	Plant tissue culture bottle
16	Tweezers
17	Scalpel holder and blade
18	Beaker
19	Beaker with handle
20	Sterilization spray
21	Petri dish
22	Mericlon flask
23	Plant tissue culture test tube
24	Graduated cylinder
25	Measuring pipette
26	Micro pipette
27	Pipette racks/stands
28	Medium bottle
29	Tissue culture vessel
30	Filter paper
31	Laboratory wipe
32	Parafilm
33	Paraffin paper
34	Aluminum foil

VII. MANUAL AND ELECTRONIC INSTRUMENTS FOR MEASURING PHYSICAL AND CHEMICAL PARAMETERS	
a. Soil Moisture Retention Measuring Instruments (SI)	
1	Compressors & Manifolds
2	Electrical Moisture Measuring Equipment
3	Plant Water Status Console
4	Pressure Extractors,
5	Salinity Sensing Equipment,
6	EC Meters,
7	Dig sticks,
8	Bentonites,



<b>VII. MANUAL AND ELECTRONIC INSTRUMENTS FOR MEASURING PHYSICAL AND CHEMICAL PARAMETERS</b>	
9	Soil moisture sensors,
10	Augers,
11	GBHeavy
12	EnviroPro Soil Moisture Probe,
13	Fullstop,
14	Soil Permeability Equipment,
15	Soil Sampling Equipment, Waveguides,
16	Soil Water Samplers (Lysimeters, Tensiometer, TDR, Waveguides & multiplexing,...)
<b>b. Agro-Meteorological Recording Instruments for agro-weather station (SI)</b>	
1	Stream Gauges Water
2	WaterDepth Markers
3	Water Flow Gauges
4	Flow Meters
5	Staff Gauges
6	Water Depth Gages
<b>c. CAD Digitizers (SI)</b>	
1	Drawing Tablets
2	Digitizer Tablets
3	Graphics Tablets
4	Drawing Tablets or CAD Tablets
5	CAD paper
6	Plotter paper rolls
7	CAD Inkjet paper
8	CAD rolls)

<b>VIII. AGRICULTURAL INPUTS</b>	
<b>7.1. Seeds</b>	
1	Seed (grains) for agricultural production
2	Various Vegetables
3	Seeds Seedlings
4	Flower Bud Woods
5	Seedling 1 rays
6	Silicon Tubes for Grafting Plants
7	Polythene Sheetings
8	Scions (Graftings)
9	Cuttings,
10	Suckers
11	Micropagated plants,
12	Growing medium (with plant)



<b>VIII. AGRICULTURAL INPUTS</b>	
<b>7.2. PESTICIDES AND INSECTICIDES</b>	
<b>I. INSECTICIDES AND ACARICIDES</b>	
1	Acetamiprid, 75 WP, 20%SL, 25%SP
2	Abamectin, 189/1 EC, 5%WDG, 3.6%EC, 5.4%EC
3	Acrinathrin EC (Pyrethroid)
4	Alphamethrin, EC
5	Alphacypermethrin, EC
6	Azocyclotin, WP, 25%SC
7	Beta-cyfluthrin 2,5 %o EC
8	Betacypermethrin EC
9	Bifenthrin 0,05 % PP, 80g/l
10	Bromopropylate EC
11	Buprofenzin, 25%SC, 25%WP, 10%WP
12	Chlorfenapyr, EC
13	Clofenxine, EC
14	Confidor super,
15	Cyfluthrin 2,5 % EC, 5 % EC
16	Cypermethrin, EC
17	Cypermethrin 120g/L + proienofos 600g/L
18	Cypermethrin 1529/L + Acetamiprid 25g/L
19	Cyromazine, 25%WP, 750/ WP
20	Deltamethrin, EC
21	Deltamethrin 2,5 0Z«EC, WP, Tablets
22	Diafenthuron, 25%WP
23	Dienochlor, WP
24	Diflubenzuron, 25%WP; 48%SC
25	Fenbutatin oxide, SC; 25%WP; 50%WP
26	Fenamiphos, 4009/1, 200g/l EC; 10%G
27	Fenaxaquin, SC; EC
28	Flufenoxuron, DC
29	Flumethrin, EC
30	Imidaclopride 200g/l SL, 300g/l SL, EC
31	Jndoxacarb, 2009/1
32	Lambda-cyhalothrin 50g/l EC
33	Lufenuron, 5%EC; 509/1 EC
34	Magnesium Phosphide, 66% MP
35	Malathion, (allowed dust formulation only for fumigation
36	Methaldehyde 5 G., Mercaptodimethylur
37	Methioearb, WP
38	Methomyl, WP
39	Methomyl, SI.
40	Methoxyfenozide, 240 g/l SC



VIII. AGRICULTURAL INPUTS	
41	Methyl Anthranilate (Repellent birds)
42	Novaluron, 10% EC
43	Pencycuron+ imidacloprid + thiram
44	Phosphure d'aluminum (PH3), pills, tablets and plates for fumigation
45	Profenofos, 40%EC; 50% EC
46	Prosuler Oxamatrine, 10% EC
47	Pymetrozine, SC, WP, WDG Pyrethrins, EC
48	Pyrimiphos-methyl, 2 % PP (allowed dust formulation for fumigation)
49	Sodium Fluorosilicate,
50	Spinosad, G
51	Spinosid
52	Spiromesifen, 240g/l SC
53	Tau-fluvalinate, EC
54	Teflubenzuron, EC
55	Termidor, SC
56	Tetradifon, EC
57	Thiametoxam,
58	Thiocyclan hydrogen oxalate
59	Thiomethoxam
60	Thiacloprid, SC GR
61	Abamectin, 18g/l EC, 209/l EC
62	Aerinathrin 75EW
63	Alphacypermethrin, 10°Äcc
64	Aluminium phosphide (PH3), 56%, 57% pills, tablets and plates
65	Azadirachtin, 0,03%EC, 0,15%EC
66	Azocyclotin, 25°AWP, 25%SC
67	Beta-cyfluthrin 2,5 % EC
68	Bifenthrin 0,05 % PP, 25g/l EC
69	Bromopropylate 50°äEC
70	Buprofenzin, 25%SC, 25%WP, 10% WP
71	Chlorfenapyr, 36%SC
72	Clofentezine, SOSC, SOEC
73	Cypermethrin 1209/l + profenofos 6009/l
74	Cypermethrin 409/l + profenofos 4009/l
75	Cypermethrin, 5% EC
76	Cyromazine, 25%WP, 75%WP
77	Deltamethrin 2,5 % EC, 5%EC, WP, Tablet
78	Diafenthuron, 25%WP, SOOSC
79	Diflubenzuron, 25%WP; 48%SC
80	Fenamiphos, 4009/l; 2009/l EC; 10%G
81	Fenaxaquin, 200SC; 200EC
82	Fenbutatin oxide, SC; 25%WP; 50%WP



VIII. AGRICULTURAL INPUTS	
83	Flufenoxuron, 10%DC
84	Flumethrin, 2%EC
85	Indoxacarb, 2009/1, 150SC
86	Imidaloprid 350FS
87	Indoxacarb, 200g/l, 150SC
88	Lambda-cyhalothrin 509/1 EC, 2.5%EC
89	Lufenuron, 5%EC; 50g/l EC
90	Magnesium Phosphide, 66%MP
91	Malathion 2% w/w, Dust
92	Malathion 2.0% w/w + Permethrin 0.3% w/w
93	Methomyl, 25%WP
94	Methoxyfenozide, 240g/l SC
95	Novaluron, 1@/ EC
96	Pirimiphos-ethyl(organophosphate) 400g/L
97	Permethrin (pyrethroid) 100g/L
98	Profenofos, 40%EC; 50%EC
99	Prosuler Oxamatrine, 10%EC
100	Pymetrozine, 25%SC, 25%WP, 50%WDG
101	Pyrethrins 0.11% Dust and 1.1% Piperonyl Butoxide (PBO)
102	Pyrethrins I'S and Pyrethrins I'S (Pyrethrum EWC)
103	Pyrethrins, 5%EC
104	Pyrethrins, 75°Aw/w EC
105	Pyrimiphos-Methyl 2 % (1.8%) + 0.2% Deltamethrin.
106	Pyrimiphos-Methyl 4009/1 + 759/1 Permethrin, EC
107	Pyrimiphos-methyl, 2 °A PP Dust (allowed dust formulation for fumigation)
108	Snake repellent
109	Spinosad, 12%SC, 0.5%G
110	Spiromesifen, 2409/1 SC
111	Tau-fluvalinate, 10%EC
112	Teflubenzuron, 1509/1 SC
113	Tetradifon, 8%EC
114	Atom
115	Ortiva Top
116	Ortiva 250
117	Folicur
118	Anvil/Klassic
119	Imidacloprid
120	Imidacloprid 200g/L SL
121	Deltamethrin
122	Chlorothalonil
123	Sulfur
124	Copper oxychloride



VIII. AGRICULTURAL INPUTS	
125	Acetamiprid 200g/L SL
126	Acetamiprid 200g/L SP
127	Alpha Cypermethrin 5% EC
128	Pymetrozine 500g/kg WG
129	Spinetoram 120g/L SC
130	Bifenthrin 25g/L EC
131	Etofenprox 300g/L EC
132	Thiaclorpid 480g/L SC
133	Sulfoxaflor 240g/L SC
134	Flonicamid 500g/kg WG
135	Beauveria bassiana
136	Dinotefuran 200g/kg SG
137	Acephete 970g/kg
138	Acephete 750g/L SP
139	Emamectine benzoate 19.2g/L EC
140	Abamectin 18g/L EC
141	Iminoctadine triacetate 250g/L
142	Iminoctadine Tris albesilate 400g/kg
143	Kresoxim-methyl 442g/L
144	Kresoxim-methyl 500g/L
145	Boscalid 200g/L + Kresoxim-methyl 100g/L
146	Mepanipyrim 400g/L
147	Pyribencarb 400g/kg
148	Isopyrazam 187g/L
149	Cymoxanil 240g/L + chlorotalonil 600g/L
150	Cymoxanil 100g/kg + Dimethomorph 400g/kg
151	Fluazinam 395g/L
152	Fluazinam 400g/L + Metalaxyl 100g/L
153	Thiram 80% WP
154	Benthiavalicarb Isopropyl 50g/L + Chlorotalonil 500g/L
155	Benthiavalicarb Isopropyl 17.5g/kg + Mancozeb 700g/kg
156	Pyraziflumid 200g/L
157	Penthiopyrad 200g/L
158	Iprodion 500g/L
159	Polyoxin AL (complex 50% w/w)
160	Pyrimethanil 404g/L
161	Tebuconazole 250g/L
162	Flutriafol 125g/L
163	Boscalid 252g/kg + Pyraclostrobin 128g/kg
164	Boscalid 267g/kg + Pyraclostrobin 67g/kg
165	Boscalid 500g/kg
166	Thiophanate methyl 700g/kg



VIII. AGRICULTURAL INPUTS	
167	Azoxystrobin 250g/kg
168	Chlorotalonil 720g/L
169	Chlorotalonil 82.5g/L
170	Captan 800g/kg
171	Captan 830g/kg
172	Carbendazim 500g/L
173	Mancozeb 80%
174	Oshothane/ Mancozeb
175	Alliete /Fosetyl Aluminium
176	Melody Duo / Iprovalcarb+Propineb
177	Stargem/Mancozeb
178	Polar/Polyoxin Al
179	Safari max / Mancozeb+Metalaxyl
180	Ridomil Gold/ Mancozeb+Metalaxyl
181	Belt /Flubendiamide
182	Teldor /Fenhexamid
183	Velambda / Lamdacyhalothrin
184	Pegasus /Diafenthurion
185	Infinito 687.5SC with Fluopicolide 62.5g/l+Propamocarb hydrochloride 625g/l)
186	Amino Gold with Organosilicone 80%+Polyalkylene Oxide 20%
187	Tapazol with Emamectin benzoate
188	Score / Difenoconazole
189	Pheromones Lures (Methyl eugenol, Cuelure, Terpenyl acetate, Femilure, Trimedlure, Trimedlure, Olean, Pheroid, Ferolite, Optirolltuta, Tutaroll, Magipal, etc)
190	Traps (Yellow/ blue glue board, Fly catcher, Yellow tape, Delta trap, Light trap, Mouse trap) and accessories
191	Toxicant strip
ii. FUNGICIDES	
1	Albesilaic, WP
2	Azoxystrobin SC
3	Benalaxy + mancozeb, WP
4	Benomyl 50 % WP
5	Bitertanol EC
6	Bupimate EC
7	Bupirimate LC
8	Carbendazin, WP; EC
9	Carbendazime + Chlorothalonil EC
10	Captan
11	Chlorothalonil, WP
12	Chloride of lime
13	Calcium hypochlorite
14	Copper ammonium acetate



VIII. AGRICULTURAL INPUTS	
15	Cuivre + chlorothalonil 250g/l WP
16	Cuivre + propineb
17	Cuivre de l'oxyde de cuivre cuivreux, WP ; SL
18	Cuivre hydroxide WP
19	Cymoxanil + propineb
20	Cyprociazole, SC
21	Dichlofluanid WP
22	Difenoconazole, 25% EC, 10% WP
23	Dimethomorphe + mancozeb 69 % WP
24	Didecyl Dimethyl Dithianon SC
25	Dodemorph
26	Epoxiconazole + carbendazime EC
27	Ammonium Chloride
28	Fenarimol EC
29	Fenhexamid
30	Fenomidone + Fosetyl
31	Flutriafol + thiabendazole EC
32	Flutriafol 125g/l SL, EC
33	Fluzilazole EC
34	Flutriazol + Carbendazim
35	Fluzilazol, 40%EC
36	Fomaxate + cymoxanil
37	Fosetyl-aluminium WG
38	Hexaconazole SC
39	Iprobenfos 4809/1 F.C
40	Iprodione SC
41	Imidachloriprid 10g/L + Metalaxyl 10g/L + Carbendazim 10g/L
42	Kresoxim-methyl WG
43	Mancozeb + metalaxyl 62,5 % WP, 68 % WP
44	Mancozeb 80 % WP,
45	Metiram WG
46	Mefenoxam, 3.88% methalaxyl + 64% mancoxeb WG
47	Mefenoxam + Chlorothhanil
48	Metalaxyl 89/1. + Mancozeb 64g/L
49	Metalaxyl + chlorothalonil, WP
50	Metalaxyl-M, WP
51	Micronised Sulphur WG
52	Mono Potassium Phosphonate, WP
53	Oxychlorure de cuivre WP
54	Penconazole EC
55	Propamocarb hydrochloride SL
56	Propineb 70 % WP



VIII. AGRICULTURAL INPUTS	
57	Polyaxin AI, EC; WP; Wei
58	Propamocarb + Fosetyl
59	Propineb + curzate(Milraz)
60	Propineb + Iprovalicarb, WP
61	Pyrimethanil SC
62	Quaternary ammonium
63	Spiroxamine, EC
64	Sulfur, WS; applicable as dust
65	Sulfur, roll; powder, tablets (microfined sulphur powder)
66	Tebuconazole WP, EC 'I'hiabendazole FC
67	Thiophanate methyl SC
68	T'hirame 80 % WP Tolclofos Methyl
69	Tricyclazole 75 % WP
70	Trichoderma harziunum
71	Trifloxystrobin
72	Vinchlozoline 50 % SL
73	Albesilate, 40%WP
74	Azoxystrobin 200g/L + Cyproconazole 80g/l. SC
75	Azoxystrobin 250g/l SC
76	Benalaxyl 80g/Kg + Mancozeb 650g/Kg
77	Benomyl 50 % WP
78	Bitertanol 30°Aec
79	Bupimate 25EC
80	Calcium Hypochlorite
81	Captan 80WP
82	Carbendazim 1009/1 + Chlorothalonil 4509/1 EC
83	Carbendazim, 50%WP; SOEC, SOOSC
84	Carbendazim 500g/L
85	Chlorothalonil, 50%WP, 75%WP, 50%SC
86	Copper oxychloride, 50°/WP
87	Copper 24% + chlorothalonil 24% WP
88	Copper 37% + propineb 17% WP
89	Copper ammonium acetate
90	Copper hydroxide 50%WP
91	Cuprous Oxide 86° w/w, 50%WP
92	Cymoxanil + propineb 70% + Cymoxanil 6%
93	Cyproconazole, 1009/1 SL
94	Dichlofluanid, 50%CWP
95	Didecyldimethylammonium chloride, 1209/1
96	Difenoconazole, 25%EC, 10°CWP, 30FS
97	Dimethomorphe + maconzeb 69 % WP
98	Dithianon, SOOSC



VIII. AGRICULTURAL INPUTS	
99	Dodemorph acaetate, 40% EC
100	Epoxiconazole 1259/1 + carbendazim 1259/1, EC
101	Fenarimol, 12%AEC
102	Fenhexamid SOOSC
103	Fenomidone 4.44% + Fosetyl- All 66.7% WG
104	Flutriafol 1259/1 SL
105	Flutriafol 25g/L + Thiabendazole 25g/L
106	Fluzilazol, 40%EC
107	Fosetyl-aluminium 80%WG
108	Hexaconazole SSC
109	Imidachloriprid 10g/L + Metalaxyl 10g/L + Carbendazim 10g/L, 30WS
110	Iprobenfos 4809/1 EC
111	Iprodione SOOSC
112	Kresoxim-methyl SOWG
113	Mancozeb + Metalaxyl 62,5 % WP, 68 % WP
114	Mancozeb 80 % WP
115	Mefenaxam + Chlorothhanil, 37,5/500 g/l SC
116	Mefenoxam, 3.88% methalaxyl 8% + 64% mancozeb WG
117	Metalaxyl 8g/L + Mancozeb 64g/L
118	Metalaxyl-M 37.5g/L + Chlorothalonil 500g/L WP
119	Metalaxyl-M, 4809/1 EC
120	Metiram 70%WG
121	Micronised Sulphur 80%WG
122	Molybdenum(Mo) 176 g/kg 250g/L
123	Penconazole 10%EC
124	Propamocarb hydrochloride 722g/l SL
125	Propineb 61.25% + Iprovalicarb 5.5 %WP
126	Propineb 70 % WP
127	Pyrimethanil 40SC
128	Spiroxamine, SOOEC
129	Sulphur 80% w/w, 98%w/w, 99%w/w
130	Sulphur roll; powder, tablets
131	Tebucona ole 250 EC
132	Thiabendazole SOSC
133	Thiophanate methyl 70WG
134	Thiram 200g/L + Carboxin 200g/l FC
135	Thiram 80% WP
136	Tolclofos Methyl 50% w/w WP
137	Tricyclazole 75 % WP
138	Trifloxystrobin, 50WG
139	Triforine 20g/l EC
140	Vinchlozoline 50 % SL



<b>VIII. AGRICULTURAL INPUTS</b>	
<b>iii. HERBICIDES</b>	
1	2,4-D Amine
2	Clethodim, EC
3	Duron, EC; SC
4	Linuron
5	Oxyfluorfen
6	Propanil + Thiobencarb
7	Terbutryn
8	Thiobencarb 115g/L + propanil 230g/L
9	2,4 D (acide dichloro-2,4 phenoxy acétique)
10	Thiobencarb 115/L + Propanil 230g/L
11	Acide organique halogéné : dalapon 85
12	Methribuzin
13	Metolachlor 9609/1 EC
14	Propanil + Thiobencarb
15	Propanil 360g/l EC
16	Tritluraline + linuron, EC
17	Glyphosate
18	2,4-D Amine, 600g/l, 720SL
19	Clethodim, 240EC
20	Diuron 80% w/w WP; EC; 800SC Glyphosate** 480SL, 360SL , SOOSL nuron SOWP
21	Oxyfluorfen, 240EC
22	Terbutryn, SOOSC
23	Thiobencarb 115g/L + Propanil 230g/L Dalapon 85 °A WP
24	Methribuzin, 70WP, 480SC
25	Metolachlor 9609/1 EC
26	Propanil 2009/1 + Thobencarb 4009/1 Propanil 3609/1 EC
27	Tembrotrione + bromoxynil-octanoate + Isoxadifen-ethyl, 337EC
<b>iv. RODENTICIDES</b>	
1	Brodifacoum, Baits as Granules
2	Bromadiolone
3	Dromadiolone + cumatetralyl + sulfaquinox
4	Coumatetryl
5	Difenacou
6	Diphacinone
7	Brodifacoum, 0,005% Baits as Granules Bromadiolone, 0,005% Pellets
8	Coumatetryl, 0,0375%
9	Baits Difenacoum, 0,005%w/w Baits
10	Diphacinone, 0.001 — 0.005% Baits
<b>v. NEMATICIDES</b>	
1	Dazomet 98 % G.
2	Fenamiphos (see insecticide)



<b>VIII. AGRICULTURAL INPUTS</b>	
3	Fenamiphos 40% EC, SGR
<b>vi. MOLLUSCIDES</b>	
1	Metaldehyde 5 G
2	Mercaptodimethyl, 4% baits
<b>vii. GROWTH REGULATORS</b>	
1	Daminozide 85% SP
2	Rootone
3	Speedone
4	Daminozide 85%SP, 85WSG
5	Gibberellic Acid 40g/L
6	51% Humic acid
7	Fluoric acid 3%, Total amino acids 2%, inositol 0.4%, Zinc4.9%, Total OM 30%
8	6% K2O, 2% Ca, 10% Humic Extract
9	28.8% Amino Acid, 10.8% Organic N
10	Seaweed Extract
<b>viii. BIOPESTICIDES</b>	
1	Azadirachtin
2	Spinosad 0.125% Dust, 480SC
3	Bacillus thuringiensis
4	Beauveria bassiana, 1.15%WP
5	Pyrethrins
<b>ix. PROPAGATION</b>	
1	Antracol
2	Diazol
3	Equation Pro
4	Hormoril T6
5	Hormoril T8
6	Meltatox
7	Milraz
8	Nimrod
9	Oltivea
10	Polar
11	Previcure Energy
12	Proplant
13	Ridomil
14	Rizolex
15	Rootex
16	Rovral 500 Aqua Flo
17	Sporekill
18	Switch
19	Teepol
20	Wokozim



VIII. AGRICULTURAL INPUTS	
7.3. FERTILIZER	
i. Mineral fertilizer	
1	Ammonium Sulphate
2	CAN (Incan)
3	DAP; 18-46-0;
4	NPK17-17-17;
5	NPK 25-05-05,
6	NPK15-15-15-1B
7	NPK 23-10-5 + S,Zn,Mg
8	NPK 15-9-20 + S,B,Zn, Mg, Mn
9	NPK 5-7-5-5 + B,Zn,Cu,Mg,Fe,Mn,Mo
10	NPK 11-22-21 + 5S+1Zn+1B
11	NPK 11-22-21 + 5S+1Zn+1B+1Cu
12	NPs 15.30.0.9S.1Zn.1B.0.5Fe
13	NPs 19-38.0+7S
14	Nitrogen fertilizers: urea 46%
15	Phosphates Fertilizers
16	Potash fertilizers: KCL
17	STP (Super triple phosphate).
18	MAP.
19	SSP (Super Triple phosphate)
20	MOP (K2O)
21	Micro-nutrients fertilizers
22	Agiphos
23	Aluminium Sulphate
24	Boron
25	Brexil
26	Calcium Hypochloride
27	Calcium Nitrate
28	Calcium Nitrate -OMNIA
29	Calmabon
30	Copper Sulphate
31	DAP
32	Golden leaf
33	Hydrochloric Acid
34	M.K.P
35	MOP
36	Magnesium Sulphate +vit
37	Manganese Sulphate
38	Microsol B
39	Molasses
40	Nitric Acid



VIII. AGRICULTURAL INPUTS	
41	Phosphoric Acid
42	Polyfeed
43	Potassium Nitrate
44	Potassium Sulphate
45	Molasses
46	Nitric Acid
47	Phosphoric Acid
48	Polyfeed
49	Potassium Sulphate
50	Sodium Molybdate
51	Solubor + VAT
52	TOG 6
53	Zinc Sulphate
54	Urea
55	Polyfeed booster
56	Polyfeed flowering
57	NPK13-0-46
58	NPK15-30-15
59	NPK19-19-19
60	NPK6-40-6+Mg15
61	NPK8-20-8+Mg8
62	NPK7-23-6+Mg7
63	NPK27-10-16
64	CAN (26-0-0)
65	Iron (Fe:6%) chelated HBED
66	17%Ca, 10%N, 4%Mg, 0.1%B
67	Ferrelene (Iron) 6% (EDDHA)
68	Mono Potassium phosphate
69	Sodium molybdate (NaMo)
70	Tradecorp Copper (copper Sulphate)
71	Borax
72	Tradecorp ZN(Zinc Sulphate)
73	Sulphuric Acid
74	Calcium Nitrate
75	Magnesium Nitrate
76	Magnesium Sulphate
ii. Organic fertilizers and soil amendments	
1	Manure of cow dung
2	Manure of chicken droppings
3	Compost from plant residues improved with farm dung
4	Travertine
5	Lime



<b>IX. PHYTOSANITARY TOOLS (SI)</b>	
1	Agricultural gloves (Neoprene)
2	Agricultural goggles
3	Agricultural masks for toxic gas and spare filter
4	Masks for toxic gas and spare filter
5	Motor pumps on roulette and spare parts
6	Over rolls
7	Powder machine and spare parts
8	Sprayers

<b>X. EXTENSION AND MARKETING INPUTS (SI)</b>	
1	Volcanic cube and spare parts
2	Grain safe and spare parts
3	Oxygen meter
4	Moisture meter.

<b>XI. COFFEE EQUIPMENT AND LABORATORY EQUIPMENT</b>	
a. Coffee primary processing equipment (SI)	
1	Disc pulper machines (single, double, triple and quadruple disk)
2	Drum pulper machines
3	Spare part for drum pulpers and disk pulper machines
4	Sisal drying nets
5	Polyethylene shade nets Polyethylene cover plastics (Nylex)
6	Sisal bags
7	Plastic bags
8	Plastic bags for coffee nurseries
9	Vacuum pouches
10	Vacuum dividers
11	Vacuum liners
12	Bulk loading plastic bags
13	Cello tapes
14	Coffee sample bags
15	Coffee (roasted & green) bags/roll
b. Coffee laboratory equipment (SI)	
1	Coffee bean moisture meter
2	Coffee bean sample roaster
3	Laboratory coffee cupping equipment



4	Coffee grinder
5	Nez du café
6	Coffee screens and grading tools
7	Calorimeter
8	Coffee cupping/laboratory water treatment machine
	<b>c. Fertilizer</b>
1	NPK 22-6-12+3S
	<b>d. Fungicides</b>
1	Blad 20%: (Problad)
2	Pyraclostrobin 250g/l (Cabrio 250EC)
	<b>e. Traps</b>
1	Delta traps and their lures
2	Van traps and their lures
	<b>f. Agricultural tools</b>
1	Jute bags
2	Grain pro bag
3	Secateurs
4	Wire mesh
5	Nylex
6	Shade net
7	Pruning saw
8	Pulping machine and their accessories
9	Milling machine and their accessories
	Color sorter machine with their accessories
10	• Green coffee
11	Green coffee for re-export

<b>XII. FRESH PRODUCE PRODUCTION (SI)</b>	
1	Greenhouse structure and accessories
2	Hydroponic structure and accessories
3	Seeds
4	Seedlings
5	Bulbs, tubers
6	Tissue culture
7	Cuttings
8	Grafting scions
9	Growing medium (Cocopeat, Peatmoss, Vermiculite, Perlite)
10	Flocculant
11	Pumps
12	Irrigation equipment, materials and tools
13	Propagation equipment: <ul style="list-style-type: none"> <li>○ Propagation bench</li> </ul>



<b>XII. FRESH PRODUCE PRODUCTION (SI)</b>	
	<ul style="list-style-type: none"> <li>○ Seedling trays</li> <li>○ Propagation Pot</li> <li>○ Pot tray and cover</li> <li>○ Trough</li> <li>○ Seeder machine</li> <li>○ Acclimation cover</li> </ul>

<b>XIII. SERICULTURE EQUIPMENT, INPUTS, MATERIALS AND MACHINES (SI)</b>	
1	Formaldehyde: Formol 37%
2	HCl: MW=36.46, Assay Min 36-37% (L)
3	30 boxes of Cover slide: 24x24mm (1box contain 1000slides)
4	20boxes of Slide glass: 76 x 26 mm x 1.2 mm
5	KOH. M=56.11
6	Knapsack sprayer: 20L
7	Gas mask with filter
8	Alcohol : Ethanol: 98% (L)
9	Kaki paper: 1 X 0.7 m
10	Rearing nets
11	Chemical Fertilizers ( NPK): NPK 17-17-17
12	Calcium Hypochlorite (Chrorkalk)
13	Agricultural lime Calcium (Ca): >40% and Magnesium (Mg) >6%
14	Lime (For rearing): Calcium Hydroxide Inorganic compounds
15	urea fertilizer / urea fertilizer, NA, Urea :Nitrogen >40%
16	Bleaching powder (For Disinfection of silkworm rooms and rearing materials)
17	Plastic mountages
18	Chopping machine
19	Dryer (Oil) (Agricultural Products Dryer MODEL SMD-1.0)
20	Dryer (Elec.) (Agricultural Products Dryer MODEL SMED-1.0)
21	Cocoon drying machine
22	Peeling Machine (ZD 101 Cocoon Peeling Machine)
23	Sorting Line (ZD 102 Cocoon Peeling Machine)
24	Cocoon Cooking Machine
25	Reeling Machine (Automatic Silk Reeling Machine)
26	Auxilliary Machinery
27	Vacuum Treat Machine - FY 521 Vacuum Permeating & Cooking m/c
28	Re-Reeling Machine
29	Press machine
30	Lift Machine (SY-2.0&2.5)
31	Silk Humidifier (Vacuum Reeled Silk Humidifier)



<b>XIII. SERICULTURE EQUIPMENT, INPUTS, MATERIALS AND MACHINES (SI)</b>	
32	Sheet Machine (Stainless steel mawata machine)
33	Rotary Dewater (Z752-75 dewater M/C)
34	Silk Floss Machine (silk manual analysis magnifier)
35	Boiler /Fuel (Steam Boiler)
36	BOILER /FUEL (STEAM BOILER)
37	Boiler /Wood (DZG0.5-1.0S)
38	Bag Machine
39	Denier Sampling Warper (Serplane sample Board)
40	Oven Dryer With Scale (Y802N 8-Basket conditioning oven)
41	Seriplane Sampling Winder (FY601 Serplane Machine)
42	Bod & Cod Measuring (Measuring reel)
43	Scale (Digital scale)
44	Seriplane Inspection Room (Test Sample Board)
45	Cutting, seeds, etc
46	Silkworm Eggs
47	Young Silkworms
48	Peeling Machine (ZD 101 Cocoon Peeling Machine)

<b>XIV. FRESH PRODUCE HANDLING (SI)</b>	
1	Plastic crates and flower buckets
2	Bi orientated poly propylene flower sleeves
3	Sleeve holders' machines
4	Corrugated boxes plain and printed
5	Single Face Kraft papers
6	Rubber bands
7	Chlorine and ammonium-based pre-treatments
8	Ethylene inhibitors-based pre-treatments
9	Special refrigerated vehicles
10	Cold room equipment and materials for horticulture products
11	Plastic Strapping rolls
12	Strapping machines
13	Plant & Machinery
14	Horticulture Plant & Machinery equipment
15	Plastic Flower harvesting nets
16	Flower foods Bunch cutters Cooling equipment
17	Defoliator machine
18	Box stapler machines
19	Plastic films
20	Agricultural products grading equipment



XIV. FRESH PRODUCE HANDLING (SI)	
21	Horticultural Packaging and handling Materials
22	Pack house equipment and materials
23	Work/field Wear materials
24	Plastic crates
25	Buckets
26	Harvesting net
27	Harvesting scissors
28	Weighing scales
29	Pallets
30	Flower foods
31	Foliage trimmer
32	Flower bucket trolley
33	Bundling machine
34	Stainless Sorting tables
35	Boxes
36	Punnets
37	Stickers
38	Corners for packaging
39	Ribbons
40	Cling film
41	Top cover sheet
42	Packaging bags and sacs
43	Rubber bands
44	Plastic strapping rolls
45	Ethylene inhibitors-based treatments
46	Cold room equipment and materials
47	Coldroom Panels
48	Other cooling equipment for fresh produce
49	Plant & machinery equipments
50	Flower foods
51	Bunch cutters
52	Fruit grading, sorting and packing machines with accessories
53	Glue sticks
54	Glue guns
55	Straps and Strapping rolls
56	Clips and rings for tying the strapping ropes on pallets.
57	Scatters
58	Flower carton boxes
59	Strapping tape
60	Florissant Flower food/preservative
61	Calcium Hypoclorite
62	Aluminium sulfate



**XIV. FRESH PRODUCE HANDLING (SI)**

63	Temperature tools (X sense)
64	Packhouse equipment and materials

**PART II: ANIMAL RESOURCES' MACHINERY, INPUTS, REAGENTS,  
MATERIALS, TOOLS AND EQUIPMENT EXEMPTED FROM VALUE ADDED TAX  
(VAT)**

**I. ANIMAL RESOURCES INPUTS, MATERIAL, TOOLS AND EQUIPMENT**

ITEMS	
1.1. Breeding Animals and Genetic Materials	
1	Heifers
2	Cows
3	Bulls
4	Pigs
5	Goats
6	Sheep
7	Day old chicks
8	Exotic chicken
9	Local chicken
10	Hatching Eggs
11	Rabbits
12	Guinea pigs
13	Equids
14	Dogs
15	Cats
16	Fingerlings
17	Queen bees
18	Frozen Semen
19	Fresh semen for pigs
20	Embryos
21	Other breeding animal and genetic material
1.2. Crop and animal by Products and Industrial Food Wastes Used in Animal Feeds and Processed Feeds for Animals (SI)	
1	Fish meal
2	Black soldier flies



ITEMS	
3	Cockroaches
4	Maggots
5	Fish oil
6	Rice bran
7	Wheat bran
8	Wheat pollard
9	Maize bran
10	Maize gluten
11	NaCl (Sodium Chloride)
12	Limestone
13	Bone meal
14	Wheat bran
15	Coquilles d'escargot
16	Sugarcane molasses
17	Sunflower cake and meal
18	Soya bean cake and meal
19	Palm kernel cake and meal
20	Groundnut cake and meal
21	Cotton seed cake and meal
22	Cassava animal feeds
23	Processed feeds for large animals
24	Processed feeds for small animals
25	Processed feeds for fish
26	Piglet feeds
27	Lactating feeds
28	Finisher feeds for pigs
29	Broiler feeds
30	Layer feeds
31	Starter feeds for broiler
32	Starter feeds for layers
1.3. Raw Material for Animal Feed Productions (Whole Cereals and Whole Leguminous Beans) (SI)	
1	Whole maize grains intended for animal feed manufacturing
2	Whole wheat grains intended for animal feed manufacturing
3	Whole rice grains intended for animal feed manufacturing
4	Whole sorghum grains intended for animal feed manufacturing



ITEMS	
5	Whole soya bean intended for animal feed manufacturing
6	Other cereals and leguminous intended to be used as raw material for animal feed manufacturing
1.4. Animal Feeding Additives and Supplements (SI)	
1	Complex multivitamin bolus
2	Salt licks
3	Minerals (Maclick beef, Maclick super, Maclick plus, Kupakula, Natuzyme )
4	Vitamin premixes
5	Amino acid premixes
6	Phytase (pigs)
7	Probiotics (pigs)
8	Phytonic for cattle & probiotics of cattle
9	Acidifiants (pigs)
10	L-Lysine HCl
11	DL Methionin
12	Premixes (pigs and poultry)
13	Vitamin-Mineral complex premixes
14	Compound feed concentrate
15	Proteins
16	Feed additives (toxin binder, chlorine chloride, salinomycin, egg yolk colours)
17	Other legally accepted feed additives for animal additives (Herbal additive etc)
1.5. Pig Drugs	
1	Antiseptic (Alcohol)
2	Cotton wool/ 500g
3	Syringes prexy / 20ml
4	Eye ointment
5	Iodine tainture
6	Vacutainer tubes
7	Niddles for blood sampling
8	Gloves gynecopaquet
9	Immidocarbe 100ml
10	Oxytetracycline 30%
11	Oxytetracycline 20%
12	Oxytetracycline 10%
13	Tylosin 20%
14	Peni-strepto 100ml



	ITEMS
15	Nolvalgine 100ml
16	Phenylbutazone
17	Ivermectine
18	Introvit 100ml
19	VIT AD3E (vitol)
20	Sulfadimidine poudre
21	Sulfadimidine Bolus
22	Albendazole( 2500mg)
23	Albendazole( 600mg)
24	Albendazole (300mg)
25	Albendazol liquid
26	Albendazole liquid 10%
27	Albendazole liquid 2.5%
28	Levinex 1.5%
29	Levimox super plus cobalt
30	Wormcide 150mg
31	Calcium
32	Fluconix 100ml
33	Piperin
34	Oxytetracyclin spray
35	Savlon conc
36	Maxidrol collyre 5ml
37	Reusable needles
38	Gauze 90cm* 90cm
39	Lame bistoury
40	Manchepo rte bist ouri
41	Miltiject
42	Tetracycline tube 4 g ophtalmique
43	Jerry cans
44	Buckets (15l)
45	Measuring tape
46	Acaricides Flumethrin
47	Acaricides Amitraz
48	Mineral Block
49	Buparvaquone 40 ml
50	Needles for vaccination



ITEMS	
51	Vaccination syringes
52	Pig vaccines
53	Disinfectant
54	Intra fer injection
55	Anthelmintic
56	Anti-Inflammatory
57	Anti-allergic
58	Antibiotic Injection: Gentamycin
59	Antibiotic Injection: Biocillin
40	Anti-stress (Multivitamin Injection)
<b>1.6. Poultry Drugs</b>	
1	Amprolium
2	Doxytil
3	Alamycin aerosol spray
4	Biotrim
5	Leva 200Ws
6	Ovocalcium
7	Amin'Total
8	Hepatoveto
9	D4
10	Virocid
11	Neoxy-vitamin
<b>1.7. Vaccines for poultry and pigs</b>	
1	New castle vaccine (HB1)
2	New castle vaccine (Lasota )
3	Gumboro
4	Bronchitis infectious (mass)
5	Bronchitis infectious (Variant)
6	Fowl pox +Encephalomyelitis +Mycoplasma (Vectormune)
7	New castle+Infectious bronchitis+Egg dropp Syndrome+
8	Coryza +Salomonella enetertidis (Corymune)
9	Marek disease serotype 1 strain
10	Avian encephalomyelitis (AE)
11	Avian infectious bronchitis strain 4-91
12	Attenuated chicken anaemia clostridium chauvoei
13	Pig vaccines



ITEMS	
<b>1.8. Veterinary Medicinal Products</b>	
<b>2.8.1. Vitamins and Minerals for veterinary use:</b> compounds vitamins A, B, C, D, E, K and vitamin B-complex in all forms (injectable and oral) and others	
1	Multivitamin injection 100mls
2	SFALVITA C all forms (injectable and oral) and others
3	DCP 25KG(POWDER)
4	DCP 25KG(GRANULAR)
5	CALCIUM GLUCONATE INJECTION 40%, 400ML
6	MINERAL BLOCK 5KG
7	MINERAL BLOCK 5KG
8	MINERAL BLOCK 5KG
9	MINERAL BLOCK 5KG
10	CALPHOS BLOCK 5KG
11	MINERAL BLOCK 3KG
12	CALPHOS BLOCK 5KG
13	DCP50KG
<b>2.8.2. Hormones for veterinary use</b>	
1	Hypothalamic Hormones: Gonadoliberine (GnRH) and analogues
2	Gonadotropin Hormones: FSH, LH, HCG, PMSG, Gonadolerin
3	Post-Hypophysis Hormones: Oxytocin
4	Sexual Hormones: Oestrogenes, Progesterone
5	Prostaglandins
6	Androgens: Testosterone, Nandrolone
7	Thyroid Hormones: Thyroxin
8	Cortico-Adrenal hormones: Adrenaline
9	Estrumate
10	Ovaprim
<b>2.8.3. Antiprotozoa</b>	
1	Trypanocides: Isometamidium, Diminazen, Diaceteturate granular for injection, Trypamidium, Samorin, Quinapyramin...
2	Piroplasmides and Thellericides: Buparvoquone, Imidocarbe, ....
3	Anticoccidians and Coccidiostatic: Amprolium, Nitrofuranes, Furazolidone, Nitrofurantoin, Diaverdine, Toltrazuril ...
<b>2.8.4. Anthelmintic</b>	
<b>2.8.4.1. Imidazole products</b>	



ITEMS	
1	Benzimidazoles: Albendazole, Cambendazole, Fembendazole, Flubendazole, Mabendazole, Oxfendazole, Oxibendazole, oxyclozanide Thiabendazole
2	Proimidazoles: Febantel, Thiophanate
3	Imidazothiazole: Tetramisole, Levamisole, Ivermectine, Nitroscanate, Nitroxinil, Phenothiazine ....
	<b>2.8.4.2. Organophosphorus:</b>
1	Piperazine (base and salt)
6	Pyrimidine and salycilamid product: Brotiamide, Clioamide, Closantel, Nicfolan, Niclosamide, Oxclosamide, Rafoxanide, Rezorantel
2	Benzenesulphonamide: Clorsulon
3	Other Anthelmintic products for veterinary use
	<b>2.8.5. Acaricides for livestock and Insecticide for pets</b>
1	Synthetic pyrethrinoids (Deltamethrin 5%, Flumethrin 2-3%)
2	Natural pyrethrins
3	Amitraz 12.5% cyhalothrin 5% w/v
4	Synthetic insecticides for pets
5	Cypermethrin 25%
6	Deltaméthrine pour on BUTOX 7,5 / DECTOSPOT / VERSATRINE
7	Eprinomectine pour on (EPRECIS / NEOPRINIL / EPRINEX / EPRIZERO)
8	Ivermectine pour on (VIRBAMEC / CEVAMEC / POUROMECA / IVOMECA)
9	Bravecto
10	Medicated shampoos for pets
	<b>2.8.6. Antimicrobials: (Against Bacteria, Protozoa, Mycoplasma, fungi, etc)</b>
1	<b>Betalactamines:</b> BenzylPenicillins, Penicillins procaines, Procaine penicillin G + Dihydrostreptomycin sulphate injection, Benzathine-penicilline, procain penicillin g & dihydrostreptomycin sulfate injection 20/20 intramamary penicillin
2	Amoxicillin Clavulanic acid, Ticarcillin, Tobicillin, Aspoxicillin,
3	Phenoxycephalpenicillin, Phenecillin, Cloxacillin, Dicloxacillin, Nafcillin, Oxacillin
4	<b>Lincosamides:</b> Lincomycin, pirlimycin, ...
5	Tetracycline: Oxytetracycline 10%; 20%; 30%, chlortetracycline, doxycycline, tetracycline, ...
6	<b>Aminoglycosides:</b> Streptomycine, Dihydrostreptomycin, Tobramycine, Framycetin, Kanamycin, Neomycin, Paromomycin, Apramycin, Gentamicin,
7	<b>Macrolides:</b> Tylozine, Spiramycine, Tulathromycin, Erythromycin, Spiramycin, Josamycin, Kitasamycin, Tilmycosine, Mirosamycin, Terdecamycin, Novobiocine, Avilamycin,



	ITEMS
8	<b>Phenicols:</b> Florfenicol, Thiamphenicol, Tiamulin, Valnemulin,
9	<b>Cephalosporines:</b> Cefacetile, Cefalexine, Cefalotin, Cephapyrin, Cephazoline, Cefalonium, Cefuroxine, Cefotiofur, Cefoperzone, Ceftriaxone, Cefquinones, other cephalosporines of 1st, 2nd, 3rd and 4th Generations.
10	<b>Fosfomycine:</b> Fusidic acid, Salinomycin, Monensin, Maduramycin, Lasalocid, Narasin, Semduramicin,
11	<b>Polypeptide antibiotics:</b> Enramycin, Bacitracine, Colistine, Polymyxine, Gramicidin, other polypeptide molecules
12	<b>Quinolones:</b> Enrofloxacin, Marbofloxacin, Norfloxacin, Miloxacin, Nalidixic acid, Oxolonic acid, Flumequine, Ciprofloxacin, Danofloxacin, Difloxacin, Ofloxacin, Orbifloxacin, Carbadox, other quinolone molecules
13	<b>Sulfamides :</b> Sulfadimerazine sulfadimethoxine, Sulfadimidine,
14	Sulfachloropyridazine, Sulfadiazine, Sulfadoxin, Sulfafurazole, Sulfaguanidine,
15	Sulfamethazine, Sulfadimethoxazole, Sulfamonomethoxine, Sulfanilamide,
16	Sulfaquinoxaline, Sulfamethoxypyridazine, Trimethoprim+sulfonamide,
17	Baquilo prime, Trimethoprim, Virginiamycin, other sulfamide molecules
18	gluteraldehyde 15% benzylkonium chloride 10%.
	<b>Others antibiotics:</b> Itraconazole...
	<b>2.8.7. Antipyretic, Analgesic, and Antihistaminic products for veterinary use</b>
1	Antihistaminic for veterinary use: Chlorpheniramine
2	Phenbenzamine
3	Promethazine (Phenergan)
4	Alimemazine
5	Oxomemazine
6	Antipyrine,
7	Asprin
8	Amidopyrine,
9	Metamiosoles,
10	Novalgin 50% 100mls
11	Novalgin
12	Amydopyrine,
13	Dipyrrone
14	Oxyphenbutazone
15	Acetanilide
16	Phenacetine
17	Paracetamol



ITEMS	
18	Indomethacine.
19	Sulindac
20	Dichlorophene S lanoline
21	Iodine
22	Other products used as antipyretic analgesic or antihistaminic in veterinary medicine
	<b>2.8.8. Anti-inflammatories for veterinary use</b>
1	Steroidian Anti Inflammatory (Glucocorticoids): Cortisone, Prednisolone, Prednisone, Triamcinolone, Methylprednisolone, Dexamethasone, Hydrocortisone (cortisol), Medrol...
2	Non Steroidians Anti Inflammatory: Pyrazolnes: Phenylbutazone, Meloxicam,
3	Salicylic acids: Aspirin
4	Propionic acids: Ibuprofen, Acetaminophen, Ketoprofen, Carprofen
5	Aminonicotinic acids: Flunixin, ...
	<b>2.8.9. Quinoleins</b>
1	Glafenine
2	Imidazo(1,2-a) quinoline derivatives and others
	<b>2.8.10. Phenothiazine</b>
1	Protizinic acid
2	Methiazinic acid
	<b>2.8.11. Nervous system medicines for veterinary use</b>
1	Local anesthetic: Lignocaine, procaine...
2	General anesthetic: Ketamine, barbiturics, metomedate...
3	Sedative products: Xylazine, acepromazine, ...
4	Anesthetic reversal: Atropine sulfate, Yohimbine...
5	Nervous system toxins: Strychnine
6	Other nervous system medicine products for veterinary use
	<b>2.8.12. Medicines of the digestive tube for veterinary use</b>
1	<i>Adsorbents</i> : Kaolin, Pectines, Hydroxide, Salicylate of Aluminium
2	<i>Acidifiers</i> : Lactic Acid
3	<i>Alcalinifiers</i> : Sodium bicarbonate, Magnesium
4	Other medicine on digestive system for veterinary use : Omeprazole, Simethicone...
	<b>2.8.13. Medicines of the respiratory apparatus for veterinary use</b>
1	<i>Anticough</i> : Belladone, Atropine
2	<i>Expectorants</i> : Potassium iodine, Kermes, Terpine by-products, Corticosteroids (epiphrine,budesolide,racemic) and other derivatives.
3	Other medicine on respiratory system for veterinary use



ITEMS	
<b>2.8.14. Medicines for the cardio-vascular and blood system for veterinary use</b>	
1	Digitaline, Digitoxine, Digoxine, Ouabaine, Quinidine, Caffeine, Theophyline, Theobromine, Camphire, Pimobendan
2	<i>Vasoconstrictors:</i> Adrenaline, Argometrine, Oxytocin.
3	<i>Coagulants:</i> Vitamin K
4	<i>Anticoagulants:</i> Heparin, Antivitamins K
5	<i>Diuretics:</i> Furosemide, Torsemid...
<b>2.8.15. Products used for skin care eye care and ear care for veterinary use :</b>	
1	Cephalexin
2	Clotrimazole
3	Poluxin
4	Polyxin B
5	Tetracaine Otic Powder
6	Milking salve
7	Tetracycline 1% eye ointment and Others
<b>2.8.16. Vitamins Minerals and other oligo elements for veteran use</b>	
1	Phosamines (Catosol), Butaphosphan
2	Vitamin A, D & E
3	Calcimag (calcium gluconate)
4	Calcium gluconate injection 20%
5	Colloidal Calcium
6	Lysophospholipids
7	Di-calcium phosphorous, calcium carbonate, yeast cell well,
8	By pass protein crude protein, dl-methionine
9	Non starch poly saccharides, mono calcium phosphate
10	Multivitamin injection
11	vimirera layer premix 25kg
12	vimirera general purpose premix 25kg
13	multivitamin bolus 18g
14	multivitamin injection 100ml
15	Unga general purpose premix 25kg
16	Neoxyvitamin wsp
17	Other Vitamins Minerals and other oligo elements for veterinary use
<b>2.8.17. Other products for veterinary use</b>	
1	MINERALS DCP 25KG(POWDER)
2	MINERALS DCP 25KG(GRANULAR)



ITEMS	
3	CALCIUM GLUCONATE INJECTION 40%, 400ML
4	MINERAL BLOCK 5KG
5	MINERAL BLOCK 2KG
6	CALPHOS BLOCK 5KG
7	MINERAL BLOCK 3KG
8	CALPHOS BLOCK 5KG
9	DCP50KG
10	ANTIBIOTICS
11	PROCAIN PENICILLIN G&DIHYDROSTREPTOMYCIN SULFATE
12	INJECTION20/20
13	MASTIJECT
14	DCP50KG
15	RABOXY 20% (OXYTETRACYCLINE INJECTION 20% 100ML)
16	CALCIUM GLUCONATE INJECTION 40%
17	RABOXY 10% (OXYTETRACYCLINE INJECTION 10% 100ML)
18	OPTICLEAR 5G
19	MASTIJECT 5G
20	ANTIPROTOZOA
21	DIMINAZENE
22	DIMINAZENE 2.36G
23	VITAMINS
24	MULTIVITAMIN INJECTION
25	VIMINERA LAYER PREMIX 25KG
26	MULTIVITAMIN BOLUS 18G
27	MULTIVITAMIN INJECTION 100ML
28	UNGA GENERAL PURPOSE PREMIX 25KG
29	NEOXYVITAMIN WSP
30	ANTI-INFLAMMATORY
31	PHENYLBUTAZONE INJECTION
32	PHENYLBUTAZONE 20% 100ML
33	NOVARAB 50% (NOVALGIN INJECTION 50% 100ML)
34	ANTHELMINTHS/DEWORMERS
35	ALBENDAZOLE 2.5%120ML
36	ALBENDAZOLE 10%500ML
37	ALBENDAZOLE 10%1L(BLUE)



	ITEMS
38	ALBENDAZOLE 10%1L(WHITE)
39	LEVINEX 1.5%125ML
40	LEVINEX 1L
41	ALBENDAZOLE 2.5%L
42	ALBENDAZOLE 10%1L(WHITE)
43	ALBENDAZOLE 2.5%120ML
44	IVERAB 1% (IVERMECTIN 1%50ML)
45	RABALBEN 2500MG (ALBENDAZOLE BOLUS 2500MG)
46	RABALBEN 300MG (ALBENDAZOLE BOLUS 300MG)
47	ACARICIDES
48	RABTRAZ 12.5%EC 1L
49	RABTRAZ 12.5%EC 500ML
50	RABTRAZ 12.5%EC 100ML
51	RABTRAZ 12.5%EC 250ML
52	RABCIDE 2%EC 1L
53	RABCIDE 2%EC 250ML
54	DESINFECTANTS
55	DELTAMETHRIN 2.5%EC
56	ROYAL CREOLIN 250ML
57	DEZINFEX 5L
58	DEZINFEX 1L
59	ISOMETADIUM HCL
60	ISOMETADIUM CHLORIDE HYDROCHLORIDE
61	AMINOACIDS
62	METHIONINE 25KG
63	LYSINE 25KG
64	INSECTICIDES
65	RABMETHRIN 2.5%EC 1L
66	RABMETHRIN 2.5%EC 100ML
67	ANTICOCCIDIOSIS
68	AMPROLIUM WSP 20%
69	BUPARVAQUONE
70	BUPAJECT INJECTION
71	IMIDOCARB 50ML
72	IMIDOCARB 50ML
73	ISOMETAMIDIUM HCL



	ITEMS
74	ISOMETAMIDIUM CHLORIDE
75	FEED SUPPLEMENTS
76	ROYAL AVIAN ANTI-STRESS LYTE 1L
77	MG Albendazole 300mg
78	MG Oxytetracycline 10%
79	MG Oxytetracycline 20%
80	MG Oxytetracycline 30%
81	MG Multivitamin injection
82	MG Multivitamin bolus
83	MG Novaligin injection
84	MG Ivermectin 1% injection
	<b>2.8.18. Vaccines for veterinary use</b>
	<b>2.8.19. Serum for veterinary use:</b> Serum bile acids and salts used for diseases diagnosis and others
	<b>2.9. Reagents, diagnostic test kits and consumable for Veterinary Laboratory use</b>
1	Mastitis control +testing supplies
2	California mastitis test and reagents (CMT KIT)
3	Wisconsin
4	Express blue+Express 3
5	Porta Somatic cell count
6	Udder wash.
7	Paddle.
8	Teat dip cup
9	Strip cup
10	Aflatoxin test and supplies
11	Aflatoxin test kit and supplies
12	Antibiotics supplies
13	Delvotest-Broad spectrum
14	BetaLactam Kits
15	Gentamicin Kits
16	Tetracycline Kits
17	Rapid Test kits
18	Serological molecular biology and rapid test...Reagents, diagnostic kits and consumables for the following diseases:



ITEMS	
	<ul style="list-style-type: none"> <li>• Avian influenza</li> <li>• Avian salmonella</li> <li>• African swine fever</li> <li>• Brucellosis</li> <li>• Classical swine fever</li> <li>• Cysticercosis</li> <li>• Leptospirosis</li> <li>• Parvovirus</li> <li>• Foot and Mouth Disease</li> <li>• B-anthrax</li> <li>• IBD (Gumboro disease)</li> <li>• Infectious bronchitis</li> <li>• Influenza A antibody and influenza A antigen), Influenza nucleoprotein, ...</li> <li>• Mycobacterium</li> <li>• Newcastle disease</li> <li>• Peste de Petit Ruminant (PPR)</li> <li>• Lumpy skin disease (LSD)</li> <li>• Porcine Parvovirus (Porcine Leptospira)</li> <li>• Porcine Reproductive and Respiratory Syndrome virus. (PRRS XR) or Syndrome dysgénésique et respiratoire du porc (SDRP)</li> <li>• Rabies</li> <li>• Marek</li> <li>• Typhose aviaire</li> <li>• Swine Erysipelas</li> </ul>
<b>2.10. Vet laboratory equipment:</b>	
1.	Microscopes
2	Biosafety cabinet
3	Incubators
4	Elisa reader
5	PCR machines / thermal cycler
6	Four Pasteur (sterilization)
7	Incinerator
8	Centrifuges
9	Electro / spectrophoresis
10	Chromatograph,
11	Histopathology processor and pathology kit
12	Ph / Lacto/Densi meters



ITEMS	
13	Fridge and Deep freezer with license
14	Stomacher blind and its accessories
<b>2.11. Veterinary Materials (SI)</b>	
1	Foetal extractor + laques
2	Complete embryotome
3	Instrument box (big size)
4	Instrument box (small size)
5	Burdizzo claw (big size)
6	Burdizzo claw (small size)
7	Irrigator
8	Nail cutter claw (big size)
9	Poly butler case
11	Plexiglas Syringe 1, 5,10,20,30 and 50 ml and spare parts
12	Automatic syringe 1, 5, 10, 20, 30 ml and spare parts
13	Needle IM Luer 14 G,10 pieces
14	Needle IM Luer 15 G,12 pieces
15	Needle IM Luer 16 G,12 pieces
16	Complete perfuser
17	Mouchette claw+lague
18	Serre-jarret
19	Lance bolus
20	Ear ring clip
21	Probing
22	Saw (12 m) + handle
23	Intramammary probe
24	Trayotome
25	Walkman Curette
26	Trocars (big size)
27	Trocars (small size)
28	Grooved probe
29	Hemostatic claw straight 16cm with mouse teeth
30	Hemostatic claw curved 16cm with mouse teeth
31	Pince porte de Mayo
32	Uterine-clip (big size) 24 cm
33	Uterine-clip (small size)16 cm
34	Drenching gun syringes



	ITEMS
35	Hoof trimmer
36	Nasal ring
37	Weighing scales for animals
38	Chromic Catguts cassette 75cm,100cm
39	Silk suture cassette.50cm, 75cm,100cm
40	Chromic cut guts 50cm,75 cm,
41	Plain catgut 75 cm,100cm,
42	Teeth and claws clippers
43	Suture needle,12 pieces
44	Sharp straight Scissors 16 cm
45	Sharp Curved Scissors 16 cm
46	Pince à champs
47	Champs opératoires non troués
48	Autopsy kit for veterinary use
49	Cotton wool, Cool box and icepack for lab and vet clinical use
50	Mobile clinic vehicle and accessories with license
51	Alcohol-Antiseptic
52	Gloves gynecologyque
53	Maxidrol pomade
54	Maxidrol collyre
55	Measuring tape
56	Vacutainer tube
57	Savlon concentrate-Antiseptic
58	Boots (Sandack,white colour)
59	Cattle pumps
60	Teinture d'iode
61	Virocide-Disinfectant
52	Termometer
63	Eye ointment
64	Gauze Bandage
65	Lame de bisturi
66	Manche de bisturi
67	Sanitizer
68	Dog collars no 2
69	Dog muzzle no 3
70	Dog muzzle no 4



	ITEMS
71	Gloves (latex gloves, small size, box of 100 pieces)
72	Coverall white coat (hard tissue/white colour)
73	Vaccination book (with carbon copies)
74	Overall (hard tissue/blue colour)
75	Suture materials
76	Intrammary penicillin
77	Inkuyo (Acaricide)
78	Artificial insemination gun
79	Teeth clipper
80	Beaker glass
81	Applicators
82	Lubricant gel
83	Cover slide
84	Electronic precision scale
85	Envelope (peakpack /tapcomebag E)
86	Flexible extension for catheter
87	Ice gel
88	Cover slide
89	Laboratory heating plate
90	Micro cuvettes for SMDI
91	Micropipettes
92	Microscope slides
93	Water distiller
94	Safeblue foamtip at blue
95	Plastic graduated pitcher for 1000ml, 2000ml, 3000ml
<b>2.12. Veterinary Materials, Consumables, Instruments, Equipment and Accessories</b>	
<i>Examination-Consultation Instruments and Consumables</i>	
Speculums (Metal, plastic), tonometer, magnifying glasses, stethoscope, thermometer, lamps, examination table, ID readers, ID microtransponder, otoscope, examination gloves, diagnostic set, restraining equipment, protective gloves for handling pets, examination bag, catheters, oesophagus tube, noso-tracheal tubes, muzzles, color markers,..... other examination -consultation instrument and consummables	
<b>2.13. Diagnostic Kit, Tests, Imaging Equipment and Consumables (SI)</b>	
1	Ultrasound machines and accessories and spareparts
2	Endoscopes and accessories and spare parts



ITEMS	
3	Biopsy forceps
4	X-ray machines and accessories and spare parts
5	X-ray viewer and accessories
6	Radiation blocker
7	X-ray protective aprons
8	Other diagnostic imaging equipment
<b>2.14. Infusion-Injection Consumables (SI)</b>	
1	Veterinary needles
2	Veterinary syringes and accessories
3	Infusion sets
4	Infusion pump
5	Stand for infusion bottle
6	Irrigators
7	Blood collection bag
8	Vaccination syringes
9	Feeding needles, cannula, tubes
10	Feeding bottles
11	Drenching guns and pumps
12	Others
<b>2.15. Anesthesia Equipment and Consumables (SI)</b>	
1	Anesthetic machine, spare parts and accessories
2	Soda lime (CO <sub>2</sub> absorber)
3	Endotracheal tubes
4	Oxygen generating machine
5	Oxygen masks
6	Multiparameter monitors and accessories, spareparts
7	Blood pressure monitors
8	Lingual clip sensor
9	Pulse oximeter
10	Breathing monitor,
11	Others....
<b>2.16. Clinic Equipment and Consumables (SI)</b>	
1	Heavy duty clipping machine
2	Autoclaves and accessories, spare parts
3	Instruments box and trays
4	Examination and operation lamps and accessories



ITEMS	
5	Operation table
6	Instrument table
7	Mobile work station chair
8	Post operation Pet cages and accessories
9	Restrainer cute
10	Restrainer cages
11	Small animal Scales
12	Walk-on scales
13	Weight measuring tape
14	Cleansers, disinfectants, antiseptics,
15	Nail and hair clippers and spare parts
16	Veterinary ambulance
17	Others.....
<b>2.17. Surgery Equipment (SI)</b>	
1	Pet Collars
2	Laser machine and accessories
3	Surgery kit
4	Autopsy kit
5	Post mortem tools
6	Instrument set/case
7	Surgical forceps
8	Intestinal forceps
9	Hemostatic forceps
10	Towel forceps
11	Surgical scissors
12	Needle holders
13	Scalpels and scalpel handles
14	Scalpel blades
15	Trocars and cannula
16	Incision glove-director winged
17	Surgical probes
18	Tweezers
19	Wound retractors
20	Hooks
21	Electrosurgery unit
22	Cuatic kit



ITEMS	
23	Orthopedic surgery tools
24	Bone pins
25	Wound dressings
26	Wound sprays
27	Instrument box
28	Others,....
<b>2.18. Suture Materials (SI)</b>	
1	Absorbable sutures: catgut, PGA, surgicryl, PD-X, ....
2	Non absorbable sutures: Supramid, silk, Nylon, linen,.....
3	Suture needles
4	Needle holders
5	Prolapse pins
6	Prolapse tape
7	Vaginal tape
8	Stich cutter
9	Toggle sutures
10	Displaced abomasum fixation set
11	Suture staplers
12	Suture clips
<b>2.19. Obstetric Equipment and Consumables (SI)</b>	
1	Obstetrical chains and hooks
2	Calving belt, lacks, ropes
3	Obstetric hooks
4	Obstetric/ calf puller
5	Uterine forceps
6	Obstetric set/kit
8	Uterine irrigator/pump
9	Embryotome and accessories
<b>2.20. Dentistry Equipment and Consumables (SI)</b>	
<b>2.21. Laboratory Equipment</b>	
<b>2.22. Wound Dressing Consumables</b>	
1	Non adherent dressing
2	Adsorbent dressing
3	Foam dressing
4	Gel dressing
5	Wound bandage



	ITEMS
6	Cotton wool
8	Gauze bandage
9	Gauze compress
10	Gauze swabs
11	Cotton swabs
12	Dry dressing
13	Stretch bandage
14	Soft Bandages
15	Self-adhesive bandage
16	Abdominal bandage
17	Protective IV bandage
18	Plaster of paris
19	Wound sprays
20	Skin protection ointment
21	Others,....
<b>2.23. Small Animal Dentistry Instruments (SI)</b>	
<b>2.24. Clothing and Gloves</b>	
1	Obstetric gowns
2	Obstetric aprons
3	Surgery masks
4	Surgery caps
5	Micro-barrier clinic clothing
6	Practice coats
7	Practice overalls
8	Practice boots
9	Disposable boots/ overboots
10	Latex Examination gloves
11	Long sleeve plastic examination
12	Lubricant for examination gloves
13	Sterile Surgical gloves
14	Others,..
<b>2.25. Restraining Equipment (SI)</b>	
<b>2.26. Insemination Equipment And Consumables (SI)</b>	
<b>2.27. Livestock Equipment (SI)</b>	
1	Hoof knife
2	Hoof cutter



ITEMS	
3	Hoof trimmer
4	Calf drencher
5	Calf bucket feeder with teats
6	Teat dilators
7	Teat knife
8	Teat drainage tubes
9	Milk catheter
10	Milk testing cup
11	Teat dippers
12	CMT test kits and reagent
13	Milk suckling preventer
14	Saw wire for horns and bones
15	Saw wire for horns handle
16	Dosing gun
17	Ruminal magnet
18	Magnet introducer
19	Bolus gun
20	Stomach tube
21	Bloodless castrator
22	Hot shot /electric-chock
23	Dehorner/ electric dehorner
24	Bull ring
25	Bull ring applicator
26	Bull holder/ nose lead
27	Hoof care kit
28	Weighing balances/scales
29	Other instruments, consumables, equipment and accessories for veterinary use
<b>2.28. Livestock Material (SI)</b>	
1	Forage crop seeds: Grasses and legumes
2	Hay Bailer and accessories
3	Barbed wire with license
4	Plastic crates
5	Drinking nipples
7	Cold room equipment and material for animal products



	ITEMS
8	Electrical wire for paddocking with license
9	Baler & Wrapper machine
10	Forage chopper Chaff cutter machine and their accessories
11	Wire mesh with license
12	Livestock identification items (ear tags & branding equipment, microchip)
13	Feed mill machinery
14	Packaging materials
15	Spray pumps
16	Palletiser Machine and its accessories.
17	Tractors licensed for farm machinery.
18	Egg packaging machine
19	Egg grading machine
<b>2.29. Insemination Material Inputs</b>	
<b>2.29.1. Artificial Insemination Kit :</b>	
1	Container for Liquid nitrogen / semen storage
2	Container for liquid nitrogen / semen transport
3	Special vehicle for transport of artificial insemination inputs with license
4	Artificial insemination box
6	Speculum
7	Straw cutter
8	Applicator for implant
9	Insemination gloves
10	Insemination gun
11	Sheaths for inseminator
12	Thawing unit/thermos container
13	Straw cutter
14	Straw tweezers
15	Flask.
16	Overalls
17	Lubricants
18	Collection dummy for boars
19	Anti-Slip/ Rubber Mat for boar dummy
20	Semen collection cups
21	Semen collection bag
22	Semen collection glove for sow
23	Hygienic pre-semen collection glove



	ITEMS
24	Boar semen extenders
25	Plastic bottle for boar semen
26	Semen storage unit /Fridge
27	Ultrasound device for sows
28	Photometer for semen analysis
29	Phase contrast microscope, heated, HT 50, with digital,camera and monitor
30	Electronic precision scale
31	Laboratory heating plate
32	Heated extender vat, 3 l, with HT 50 S control unit
33	Printer and Label Makers device and accessories
34	Lubricant Gel
35	SafeBlue Foamtip®, blue
36	Flexible extension for catheters
37	Plastic graduated pitcher
38	Micro cuvettes for SDM1
39	Water distillers
40	Micropipettes
41	Tips for micropipettes
42	Microscope Slides
43	Cover slides
44	Thermometer glass
45	Thermometer (17-37°C)
46	Beaker glass (500ml)
47	Beaker glass (1000ml)
48	Beaker glass (2000ml)
49	Applicators for pig eartags
50	Ice packs Gel
51	Envelope ( <i>Peak Pack/TAP Comebag E</i> )
52	2x Insulated Gel Ice Bottle Cool Bag
53	Regumate Porcine Altrenogest 0.4% w/v oral solution
54	PMSG- Intervet 5000 IU powder and solvent for solution for injection
55	Boars frozen semen of exotic pure breed and accessories
56	Liquid nitrogen container for boar semen
57	Piglet teeth clipper
58	Air conditioned box , 8 litres, capacity 24 tubes or bottles, temperature preset to +17°C
59	Air conditioned box, 18 l, capacity: 70 Flexitubes® or bottles, temperature preset to



	ITEMS
	+17°C
60	Air conditioned box, 40 l, capacity: 100 Flexitubes® or bottles, preset temperature: +17°C
61	Digital temperature logger TempControl 17
62	Cool boxes
63	Eartags for pigs identification
64	Masterline® size 2/15/E 220mm X265mm (W)
65	US bag for semen collection
66	Semen bottle for dosage
67	Semen collection cup
68	Chemises sanitaires IMV technologies
69	Eco water distiller cleaner.
70	Liquid Nitrogen plant
71	Spare parts for the Liquid Nitrogen plant
72	Semen collection, processing and evaluation equipment and materials
73	Livestock artificial vagina, accessories and consumables
74	Thermometer for artificial vagina
75	Semen extender
76	Semen straws
77	Semen straw labelling (printing) machine, its spare parts and consumables (Ink, Inksolvent, etc)
78	Semen straw filling and sealing machine, its spare parts and accessories
79	Semen freezing machine, its spare parts and accessories
80	Cool cabinet and spare parts
81	Machine for water bath and accessories
82	Specialized laboratory refrigerator
83	Laboratory precision weighting scale
84	Microscope and accessories
85	Computer Assisted Sperm Analysis system, its spare parts and accessories
86	Photometer and accessories
<b>2.29.3. Multiple ovulation and embryo transfer consumables and equipment</b>	
1	Silicones tubes 4x6
2	Silicones oil
3	<u>Female luerlock connector</u>
4	<u>Embryo transfer guns</u>
5	<u>Spare rings for transfer guns</u>



	ITEMS
6	Pipettes 10 micro-liter crystal
7	Stimufol Hormones
8	Pluset Hormone
9	PRID Delta
10	Embryo transfer (e.t) sheaths with metal tip
11	Flushing Filter
12	Flushing Media
13	Seringue with luer lock 60ml( syringues with luer -lok tip in box of 60ml)
14	Syringes and needles(10ml)
<b>2.30. Binocular Stereo Dissecting Microscope with USB Camera</b>	
1	Pregnancy Test
2	Vet ultrasound scanner
3	Holding medium
4	Freezing Medium
5	Baloon Catheter for cows (2 way Foley catheter 21" CH15 or 16 5 cc sterilized )
6	ET pistol (Embryo transfer gun)
7	E.T Transfer guns 0.25, 0.5
8	And universal sizes
9	Spare rings for transfer guns
10	Aspirator capillary piston(10ML)
11	Embryo pipettes handling
12	Plagues different colors
13	Pipette controller
14	Pipeter tips
15	Binocular Microscope
16	Water bath
17	Manual Freeze Racks
18	Ultrasoung machine
<b>2.31. Dairy Industry Equipments</b>	
<b>2.31.1. Dairy equipments</b>	
1	Milking machines and their accessories
2	Milk tanks ( Cooler)
3	Milk refrigerating Tanks
4	Refrigerated vehicle for milk
5	Specialized milk refrigerated truck with tanks
6	Plastic crates



ITEMS	
7	Milk pump and accessories, Milk reception tanks
8	Milk cans: 5L, 10L, 20 L, 40L, 50L, 100L
9	Milk buckets 2L, 5 L, 10 L, 20L.
10	Sieves
11	Milk churner and accessories,
12	Milk butter separator and accessories
13	Homogenizer and accessories
14	Pasteurizer and UHT machine and accessories.
15	Agitator
16	Table made in stainless steel
17	Funnel
18	Weighing machine
19	Packing machine
20	Cheese making equipment and accessories
21	Other milk processing equipment (For making yoghurt, ice cream, butter, etc)
	<b>2.31.2. Milk and milk products quality testing and control equipments and supplies</b>
	<b>Bacteria testing supplies</b>
1	Petrifilm for total plate count (AC)
2	Petrifilm for Coliform (AC)
3	Petrifilm for E-coli
4	Yeast and mould petrifilm
5	Spore formers
6	Quad plate
7	Lactodensimeter
8	Alcohol gun
9	Mastitis test (CMT) kit
10	Antibiotic residues test kit
11	Aflatoxin test kit
12	Test Tubes
13	Blood sampling tubes
14	Milk analyzer
15	Rapid Test Strip for Beta Lactams & Sulfonamides & Tetracyclines Beta
	<b>2.32. Meat Preparation and Processing Equipments (SI)</b>
1	Equipments and materials of the slaughtering line of large and small animals (including but not limited to the following)
2	Animal slaughtering rails and hooks



ITEMS	
3	Animal stunning machines and equipments
4	Animal bleeding machine & equipments
5	Animal scalding machine & equipments
6	Animal skinning /defeathering machines & equipments
7	Animal Legging & deheading machines & equipments
8	Animal evisceration machines & equipments
9	Splitting machines & equipments for animal carcasses
10	Carcass chilling machines & equipments
11	Meat conveyor vats
12	Equipments and materials of the meat processing and packaging line (including but not limited to the following)
13	Meat processing rails & hooks
14	Meat processing cold rooms
15	Meat processing tables and cutting boards
16	Meat cutting machines & equipments
17	Meat grinding machines & equipments
18	Refrigerated truck for meat transportation
19	Plastic crates
20	Bowl cutting machine & equipments
21	Meat mixing machines & equipments
22	Brine injection machine & equipments
23	Sausage stuffing machine & equipments
24	Sausage clipping machine & equipments
25	Sausage cooking machine & equipments
26	Sausage smoking machine & equipments
27	Meat processing trays and conveyors
28	Meat packing machines & equipments
29	Equipment Livestock and materials of fish processing and packaging line (including but not limited to the following)
30	Fish processing cold rooms
31	Fish processing tables and cutting boards
32	Fish gutting & scaling machines & equipments
33	Fish splitting machines & equipments
34	Fish filleting machines & equipments
35	Fish processing trays and conveyors
36	Fish paching machines & equipments



ITEMS	
<b>2.33. Poultry Industry Equipment and Supplies (SI)</b>	
<b>2.33.1. Farm Inputs</b>	
1	Feed trough (Plastic, Metal, Wooden Feeders With Accessories)
2	Water trough (Plastic automatic drinkers and accessories,
3	Manual plastic drinkers, metal drinkers and accessories)
4	Incubators, accessories and spare parts
5	Hatching machines, accessories and spare parts
7	Poultry metallic cages
8	Manure removing system
9	Machinery for making trays
10	Egg trays
<b>2.33.2. Cold room</b>	
<b>1) Exterior Protection Structure</b>	
1	PU Sandwich Panel
2	Sliding door
3	Water proof
4	Lifting beam
5	XPS floor
6	Auxiliary material
<b>2) Refrigeration System</b>	
1	Condensing Unit (air cooled)
2	Evaporator
3	Expansion Valve
4	Electromagnetic valve
5	Filter
6	Sight Glass
7	Pressure Controller
8	Pressure Gauge
9	Oil separator
10	Gas-liquid Separator
11	Pipeline & insulations
<b>3) Chicken feeding equipment</b>	
1	Delivery system
2	feed sensor
3	Winch
4	winch shake



ITEMS	
5	Hopper
6	Feed line automatic control
7	Feeds silos
8	Nipple drinking system
9	Nipple drinking line
10	Pressure regulator
11	Head water inlet system
12	Middle water inlet system
13	End water outfall system
14	Winch
15	Winch shake
16	Filter
17	Medical pump
18	Water meter system
<b>4) Main feed line</b>	
1	Automatic control
2	Base hopper
3	Drive system
4	Feed sensor
5	Strobe with 3 outlets
6	Main feed line
7	Bent pipe
8	SiLo base part with 2 outlets (same direction)
9	Silo base part with 3
10	Outlets (opposite direction)
11	Accessories
<b>2.34. Disinfectants (control and prevention of diseases)</b>	
1	Gluteraldehyde 15 %
2	Coco benzyl-dimethyl ammonium chloride 10 %
3	Quaternary ammonium .
4	Chlorine compounds.
5	With others derivatives used for control and preventions of diseases
<b>2.35. Aquaculture And Fisheries Industry (SI)</b>	
<b>2.35.1. Aquaculture and Fisheries inputs</b>	
1	Fishing nets and contour
2	Fishing Boat



ITEMS	
3	Fish transportation tank
4	Cage Fish Farming nets
5	Turning seine
6	Pond seine
7	Landing-net
8	RAS equipment and accessories
9	Fish farming tank
10	Water Filters
11	Hatchery machinery, equipment, and accessories for fish breeding
12	Hatchery equipment for fish eggs
13	Water sampler
14	Plankton net
15	Echo-probe and accessories
16	Oxygen
17	Oxygen tank
18	Oxygen pump during transport of fingerlings
19	Aquarium fish equipment
20	Chemical products for limnology
21	Limnological kit
22	Limnological Reagent
23	Greenhouse structures for increasing pond temperature to 28 degrees
24	Wading boots for staying dry while working in water
25	Bird netting to protect ponds from bird predation
26	Floating fish cages, mesh for grading fish by size
27	Oxygen meter for testing dissolved oxygen levels
28	HDPE (High Density Poly Ethylene) pond liners
29	Live fish transportation tanks
30	Live fish transportation truck
31	Refrigerated Vehicles for the Transportation of Fish
32	Air pumps, blowers, air diffusers, Aerators, piping and hoses
33	Shade cloth for reducing stress on photosensitive used in aquaculture
34	UV (Ultra Violet)
35	Methyl Testosterones
36	Ovaprim
37	Canned fish feed
38	Pelletizer of different sizes



ITEMS	
39	Cage protection nets, braids, ropes and sewing threads.
40	Floating fish feeds
41	Automatic feeders
42	Plastic sheets ("pond sheet")
43	Special vehicle for fish production transport
44	Aquaculture laboratory equipment
45	Aquaculture net pots and buckets
46	Water parameters testing kits and equipment
<b>2.35.2. Fish Processing Equipment</b>	
1	Hullers of different sizes
2	Millers of different size
3	Mixers of different sizes
4	Extruders of different sizes
5	Layer ovens of different sizes
6	Boilers
7	Screw conveyors of different size
8	Air conveyors of different size
9	Cooling conveyors of different size
10	Paddle wheel aerator
11	Electric driven aerator
12	Long arm paddle wheel aerator
13	Rotational arm paddle wheel aerator
14	Land volute pump
15	Frozen fish chopping machine
16	Speed fish mincing machine
17	Large axial flow pump
18	Assembling type plastic impeller
19	Dewatering pump
20	Waste water pump
21	Defrosting and Washing equipment,
22	Intensive fish cooling chambers,
23	Fish processing equipment,
24	Equipment for fish Heat treatment,
25	Sausage equipment,
26	Packages,
27	Machines for Filleting and Cutting,



	ITEMS
25	Equipment for Injection and Salting,
26	Filleting Machines,
27	Smoking equipment for sausage and climatic chambers for fish,
28	Skinning & Scaling machines,
29	Cold smoked meat machine, smoking fish machine,
30	Portion Cutter machines,
31	Ice Making Machine,
32	Fish storage Cold Room,
33	Other fish processing equipment & replacing accessories
34	Hydroponic driers
35	Mold guard materials
36	Fodder pelletizer machine
37	Hydroponic fodder incubators/chambers
38	Aluminium trays for the fodder production system
39	Automated misting irrigation system
<b>2.36. Apiculture And Commercial Insects Materials and Equipment (SI)</b>	
1	Beehives
2	Beehive frames
3	Langstroth beehives
4	PP Nuc box
5	Multi-function mating box
6	
7	Beehive connector
8	
9	Hive handle
10	Beehive connector
11	Beehive strap
12	Straps for beehive
13	Hive clip
14	Frame Perch
15	Hive stand



ITEMS	
16	Frame cleaner
17	Beewax foundation sheet
18	Frame wire roll
19	Comb honey
20	Honey cassette
21	Wooden Queen excluder
22	Wasp trap
23	Outer protection of bee smoker
24	Frames honey extractor
25	Honey gate valve
26	Honey strainer
27	Uncapping tray
28	Honey tank
29	Pail with honey gate
30	Plastic Squeeze Bears Jar
31	Plastic Embossed & Squeeze Jar
32	Plastic Jar
33	Honey scraper
34	Honey Dispenser
35	honey splash bar
36	Honey dipper
37	Honey refractometer
38	Honey Thermometer
39	Measuring device
40	Magnifier
41	Honey Glass Jar
42	Straight needle uncapping fork



	ITEMS
43	Straight needle uncapping fork
44	Uncapping stainless needle roller
45	Frame grip
46	Frame spacer
47	Enter for bee
48	Disc entrance
49	Bee Brush
50	Pollen box
51	pollen trap
52	Pollen shovel
53	Propolis Collector
54	Frame feeder
55	Bee feeder
56	Bee shoes
57	Queen cage
58	Queen catcher, Cell grid
59	Beeckeeper gloves
60	Beeckeeper cowboy, Hat
61	Coverall cotton suit
62	Fully automatic beeswax machine
63	Beeswax embossing roller
64	Automatic beeswax embossing machine
65	Beeswax embossing machine
67	Honeycomb uncapping machine
68	Wax press
69	Honey thickening and filtering machine
70	Honey filling machine



	ITEMS
71	Mixing crystal machine, Honey mixing machine
72	wax melting device
73	Wax and honey separator
74	Pollen dryer
75	Liquid packing & labelling machine
76	Honey extractor
78	Kenyan beehives
79	Bee Smoker
80	Langstroth frame
81	Plastic feeder
82	Beeswax foundation sheets
83	Plastic foundation
84	Plastic foundation with frame
85	Foundation machine smooth
86	Foundation machine with cell
87	Electric foundation machine
88	Plastic frame spacer
89	Tie strap
90	Hive connector
91	Canvas tent
92	Wire stretcher
93	Eyelet, Brass
94	Frame wire
95	Uncapping knife
96	Hive tool with hook, galvanized
97	Bee tool standard
98	Bee too S type
99	Plastic scratcher
100	Embedder
101	Bee brush
102	Plastic pollen trap
103	Frame grip
104	Baume hydrometer
105	Bee hat



	ITEMS
106	Veil
107	Bee shirt
108	Bee suit
109	Glove
110	Beekeeping boots
111	Frame made by stainless steel
112	Gear
113	Honey drum soaker
114	Lift for honey tank
115	Honey filter
116	Honey gate nylon
117	Plastic pump sprayer
118	Plastic comb section
119	Grafting tool in plastic
120	Royal jelly spoon
121	Royal jelly cup
122	Queen marking pen
123	Clip queen catcher
124	Queen roller cage
125	Queen cell cups
126	Queen cell ball block
127	Queen cell carrier
128	Queen nursery frame
129	Bee feeder
130	Plunger marking cage
131	Honey grading equipment
131	Wax processing equipment
133	Honey processing and packing line
134	Honey pouring bucket
135	Honey jerry cans
136	Honey mixer
137	Honey skimmer
138	Honey uncapping tray
139	Honey pedestal heater
140	Honey pot sealing machine
141	Bees colonies catcher boxes



	ITEMS
142	Honey taster
143	Honey blade
144	Honey trowel
145	Honey spade
146	Honey bottling tank
147	Economy honey presser
148	Candle molds
149	Pollen trap
150	Propolis collector
<b>2.37. Bee venom collectors (SI)</b>	
1	Solar Wax Melter:
2	Ratchet strap:
3	Spur Wire Embedde
4	Wax Tube Fastener
5	Frame Cleaner:
6	Porter bee escape
7	Drone escape:
8	Uncapping knife
9	Capping scratcher:
10	Comb section cutter
11	Uncapping tub
12	Settling tanks:
13	Queen marking cage with sponge
14	Marking paint
15	Queen capture cage
16	Queen rearing tool kit
17	Queen bees' artificial insemination tool kit
18	Beeswax foundation sheets
19	Pollen supplements
20	Advanced moving bee hives for pollination services
21	Log hives
22	Live insects for multiple use (Black soldier flies, Earthworm, Cockroaches, Maggots and crickets)
23	Fly metal cage
24	Metal or wooden racks
25	Fly cage net



	ITEMS
26	Crates
27	Electrical plastic conduit pipes
28	Plastic drums
29	Husks
30	Mortar and pestles
31	Formaldehyde
32	Cover slips 22 times 22mm
33	Cover slips 24 times 24mm
34	Gloves
35	Organic fertilizers
<b>2.38. Poultry and Pigs Materials and Equipment (SI)</b>	
1	Cages for poultry
2	Laying nest
3	Accucell photometer
4	Printer for acucell photometer
5	Chicken semen collection cup
6	Chicken insemination tubes
7	Glass or plastic test tube for collecting semen
8	3 cc hypodermic syringe with 0.1 ml graduations
9	Adjustable Switch 250W Poultry Heat Incubator Lamp
10	Hen Pet Infrared Bulb Light Rearing for chick Warm
11	Gaz brooding system
12	Boxes for maggots
13	Card boards
14	Greenhouse sheds
15	Transparent Iron sheets
16	Hydrometer
17	Balometer
18	Bed roll tissue paper
19	Pondor in wood
20	Gaz brooder
21	Radiant brooder
22	Solar heating system
23	Pot charkoals brooder
24	Kerosene brooder
25	Charcoals



	ITEMS
26	Stove (Imbabura)
27	Carpentry (ibarizo)
28	Tanks for water storage
29	Pumping pump
	<b>2.39. Piggery Industry Equipment and Supply (SI)</b>
	<b>2.39.1. Farm equipment</b>
1	Piglets tooth clippers
2	Ear tag applicator
3	Infrared bulb lampshade
4	Pig weighing scales
5	Digital ultra sound
6	Swine Pen and Stall Equipment
	<b>2.39.2. Pig artificial insemination kit:</b>
1	Canvas dummy sow
2	Semen transfer window of AI Laboratory
3	Electronic scale
4	Digital microscope with video LCD screen
5	Digital microscope heating plate
6	Semen dilution agitator tank
7	Digital magnetic stirrer with hot plate
8	Digital thermostatic water bath
9	Electro-heating standing- temperature cultivator
10	Artificial insemination pig semen collection cup
11	Pig farm 17-degree constant temperature refrigerator for semen storage
12	Pig farm 17-degree constant temperature vehicle mounted refrigerator for semen storage
13	Kit catheter semen and bottle
14	Semen collection cap
	<b>2.39.3. Feeding and drink facilities</b>
1	Automatic pig nipples
2	Feed mixer
3	Feed line automatic control
4	Feeds silos
5	Nipple drinking line
6	Pressure regulator
7	Head water inlet system
8	Middle water inlet system



ITEMS	
9	End water outfall system
10	Winch
11	Winch shake
12	Filter
13	Medical pump
14	Water meter system
<b>2.39.4. Main feed line</b>	
1	Automatic control
2	Base hopper
3	Drive system
4	Feed sensor
5	Strobe with 3 outlets
6	Main feed line
7	Bent pipe
8	SiLo base part with 2 outlets (same direction)
9	Silo base part with 3
10	Outlets (opposite direction)
11	Accessories
<b>2.39.5. Animal feed and fodder production and processing equipment</b>	
1	Aluminum trays for the fodder production system
2	Automated misting irrigation system
3	Hydroponic driers
4	Mold guard materials
5	Fodder pelletizer machine
6	Hydroponic fodder incubators/chambers
7	All milling and grinding machines spare parts for animal feed manufacture
<b>2.39.6. Pork processing</b>	
1	Sausage making machine
2	Mobile slaughtering truck
3	Refrigerator truck
<b>2.40. Services in Animal Resources and Agriculture Insurance (SI)</b>	
<b>2.40.1. Fishing and Aquaculture equipment and materials:</b>	
1	Boats (made of fiberglass, made of plastic, made of wood, made of galvanized



ITEMS	
	materials,.. )
2	Outboard engines for boats,
3	Special fish transportation trucks, all spare parts to service the boat outboard engines
4	Crane equipment for boats, special vehicles for fish transportation
5	Diving equipment
6	Compressor to fill the air for diving tanks
7	Laboratory equipment for fish health
8	Hooks
9	Air pumps
10	Air cylinders
11	Stainless steel tables for fish display
12	Fridges and deep freezers
13	Insulated boxes (cool boxes
14	Ice boxes)
15	Crate
16	Crane
17	Life jackets
18	Boots
19	Pond liners (sheetings)
20	Fish feeding tables
21	Automatic fish feeders
22	Fingerlings counters (tables, machines and others)
23	Fish tags and accessories
24	Plastic tubes for floating cages establishment
25	Metallic tubes, timbers (1m to 4m)
26	Fishing nets, nets for cage construction
27	Live fish transportation tanks
28	Aquaculture tanks
29	Fish selling tanks and tables
30	Fishing lamps
31	Water parameters measurement kits (water parameters tools, water tester)
32	Aquarium
33	Plastic bags
34	Plastic rolls
35	Lime, Fish eggs incubators (fish hatcheries)
36	Water heaters



	ITEMS
37	Thermostats
38	Hapas
39	Seine nets
40	Plastic basins
41	Scales
42	Microscopes
43	Chest waders
44	Fish graders
45	water filters
46	Fish farm power supply materials
47	Gloves
48	Packaging materials
49	Fish farm surveillance cameras
50	Water resistant lamps to be fixed on cage fish culture farms
51	Fish farm fencing materials
52	Green houses
53	Generators
54	Fish elevators
<b>2.41. All types of irrigation materials, tools and equipment (they are similar as the irrigation materials, tools and equipment used in agriculture) (SI)</b>	
<b>2.42. NUSERY FIELD EQUIPMENT</b>	
1	Polythene bag
2	Grafting tapes
	Transparent white Nylon
3	Black Shade net
4	White net
5	Pruning shears
6	Pruning chisel
7	Water cane
8	Parafilm
9	Peatmoss
10	Seedling tray
11	Galvanized steel wires
12	Ropes for trellising
13	Ropes for trellising
14	Poles
15	Labels



ITEMS	
16	Ordinary sprayer
17	Motorized sprayer

**PART III: REAGENTS AND EQUIPMENTS FOR SOIL AND PLANT,  
BIOTECHNOLOGY, POTATO, SEEDS AND VETERINARY LABORATORY: (SI)**

No	ITEMS
1	Trowel (stainlesssteel ) and rules
2	Buchner funnel
3	Distillation equip Model No. 2301200 Rapid Digestor-25
4	Dropper pipettes
5	electronic Balance 510g
6	Funnel, plain 60-degree angle
7	Hand sprayer
8	Labelings
9	Moisture tins or flasks with lids
10	N6-(2-Isopentenyl)adenine (2IP )
11	NaEDTA
12	Oligonucleotides
13	Porcelain dish (100 and 150 mm)
14	Rubber stopper, No. 15 mm diameter
15	Rubber stopper, No. 18
16	Rubber stopper, No. 20
17	Rubber stopper, No. 25
18	Rubber stopper, No. 30
19	Test-tubes (with screw caps)
20	(KCN) Potassium cyanide
21	1-Naphthaleneacetic acid (NAA)
22	2 chloro-6-(trichloromethyl) pyridine (TCMP)
23	2,3,5-Triphenyl Tetrazolium Chloride C19H15N4CL (250gr)
24	2,4-Dichlorophenoxyacetic acid
25	2,4-Dinitrophenol indicator
26	2-ethoxy-ethanol
27	4 mesh sieve



No	ITEMS
28	4,4-tetramethyl diamino diphenyl methane
29	4-Nitrophenol
30	60 mesh sieve
31	6-Benzyl-Aminopurine BAP
32	8 mesh sieve
33	A. Maize Chlorotic Mottle Virus (MCMV)
34	ABI 7500 Real-Time PCR Machine
35	Absorbent protector sheets
36	Acetate/calcium/chloride/gluconate/magnesium/potassium/sodium
37	Acetate/calcium/chloride/gluconate/magnesium/potassium/sodium/sugar
38	Acetylene
39	Acetic acid
40	Acetic acid
41	Acetic acid (glacial)
42	Acetone
43	Acetone or alcohol based antiseptics
44	Activated carbon or activated charcoal for medical use
45	Activated charcoal – P-free
46	Activated P-free carbon.
47	Adenine sulphate
48	Adjustable micropipetors
49	Adsorbent papers
50	Agar-agar
51	Agarose
52	Air filter
53	AlCl <sub>3</sub> .6H <sub>2</sub> O Aluminium chloride
54	Alcohol/glycolic acid
55	Alcohols or its substitutes
56	Alizarin sodium monosulphonate(indicator)
57	Aluminium
58	Aluminium foil
59	Aluminium or aluminium alloy wire
60	Aluminum chloride/hydroxyquinoline sulfate/tetracaine
61	Aluminum cups for Pellet presses PP25 40mm
62	Aluminum cups for Pellet presses PP25, 32mm
63	Aluminum oxide



No	ITEMS
64	Aluminum/bentone/isobutane/isopropyl/menthol/undecylenic acid
65	Ammanium iron sulfate ( $\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ )
66	Ammonia (aqueous)
67	Ammonia solution (CP)
68	Ammonium acetate
69	Ammonium acetate
70	Ammonium acetate (CP)
71	Ammonium aurine tricarboxyllate
72	Ammonium bicarbamate (AR)
73	Ammonium chloride
74	AMMONIUM CHLORIDE EXTRA PURE
75	Ammonium chloride/antimony/guaiacolsulfonate/potassium tartrate
76	Ammonium ferrous sulphate (CP)
77	Ammonium fluoride
78	Ammonium fluoride, $\text{NH}_4\text{F}$ (IN)
79	ammonium hydrogen carbonate ( $(\text{NH}_4)\text{HCO}_3$ )
80	Ammonium hydroxide $\text{NH}_4\text{OH}$
81	Ammonium metavanadate (AR)
82	Ammonium molybdate
83	Ammonium molybdate
84	Ammonium molybdate (AR)
85	Ammonium monovanadate
86	Ammonium nitrate explosives
87	Ammonium oxalate acid
88	Ammonium purpurate indicator
89	Ammonium sulphate
90	Ammonium thiocyanate
91	Ammonium vanadate (AR)
92	Amyl alcohol
93	Ankom bags (pcs:10,000)
94	ANTIGEN H5N1 (Lyophilized and inactivated)
95	ANTIGEN H5N2 (Lyophilized and inactivated)
96	ANTIGEN H7N1 (Lyophilized and inactivated)
97	ANTIGEN H7N7 (Lyophilized and inactivated)
98	ANTIGEN H7N7 (Lyophilized and inactivated)
99	Antimicrobial discs



No	ITEMS
100	Antimicrobial discs/ Gentamycin
101	Antimicrobial discs/ Penicillin
102	Antimicrobial discs/ Tetracycline
103	Antimicrobial discs/Cephalexin
104	Antimicrobial discs/Streptomycin
105	Antimony potassium tartate
106	ANTISERA H5N1 (Lyophilized and inactivated)
107	ANTISERA H5N2 (Lyophilized and inactivated)
108	ANTISERA H5N3 (Lyophilized and inactivated)
109	ANTISERA H7N1 (Lyophilized and inactivated)
110	ANTISERA H7N7 (Lyophilized and inactivated)
111	API 20 kit
112	Ascorbic acid
113	Ascorbic acid
114	Ascorbic acid reducing agent
115	Ascorbic acid/cyanocobalamin/ferrous gluconate/folic acid/gold
116	Autoclavable Plastic Caps
117	Autoclavable test tubes
118	Autoclavable Test tubes
119	Autoclavable test tubes rack
120	Autoclavable waste plastic bags
121	Autoclave indicator strips/tape
122	Automatic Syringe
123	Automatic Syringe
124	Automatic Syringe
125	Automatic Syringe
126	Automatic Syringe
127	Automatic Syringe
128	B. Sugar Cane Mosaic Virus (SCMV)
129	BACITRACIN
130	Bacterial spreader
131	Bacteriological Agar
132	Bags (White plastic) 100kg
133	Bags (White plastic) 50kg
134	Balance electronic 210g
135	Barium chloride (CP and AR)



No	ITEMS
136	Barium sulfate
137	Beakers
138	Benzoic acid/salicylic acid
139	Benzoin
140	Benzylpenicillin or penicillin g
141	Biohazard bins
142	Biological Safety Cabinet
143	BioRanger
144	Black Plastic Mulch
145	Black Trellising Ropes
146	Bleaches
147	Blood agar
148	Blood collection syringe
149	Blood collection syringe
150	Blood collection syringe
151	Blood collection syringe
152	Blood collection syringe
153	Blood or blood forming veterinary products
154	Boots / Field shoes
155	Boric acid
156	Boric acid
157	Boric acid (CP)
158	Boric acid, 0.8M
159	Boric acid, analytical grade
160	Boric acid/lauramide dea/propylene glycol/tea-dodecylbenzenesulfonate
161	Boric acid/potassium chloride/sodium carbonate
162	Boric acid/potassium chloride/sodium carbonate
163	Boric acid/sodium borate
164	Boron standard
165	Bottles
166	Bovine serum albumin
167	Broad Spectrum potyvirus test
168	Bromocresol green
169	Bromophenol Bleu
170	Brucelisa M
171	Brushes



No	ITEMS
172	Buffer solutions (pH 4.0, 7.0 & 9.2)
173	Bunsen Burner
174	Bunsen Burner
175	Burette (automatic mounted on reservoir) 0.1 (50 ml)
176	C. Maize Dwarf Mottle Virus (MDMV)
177	Caffeine/sodium benzoate
178	Calcium acetate (CP)
179	Calcium carbonate
180	Calcium carbonate
181	Calcium carbonate (CP)
182	Calcium carbonate/magnesium hydroxide
183	Calcium chloride
184	Calcium chloride ( $\text{CaCl}_2$ )
185	calcium chloride ( $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ )
186	Calcium chloride (CP)
187	Calcium chloride 2-hydrate
188	Calcium chloride/dextrose/magnesium chloride/sodium chloride
189	calcium pantothenate
190	Calcium sulphate (CP)
191	Camphor/isopropanol/menthol/propylene glycol
192	Camphor/isopropanol/menthol/propylene glycol
193	Carbone tetrachloride( $\text{CCl}_4$ )
194	Cefadroxil
195	CELLOBIOSE
196	Centrifuge tube rack
197	Centrifuge tubes (500/box)
198	Cephapirin
199	Chemistry reagents or solutions
200	Chilli Veinal Mottle Virus Potyvirus(ChiVMV), complete kit, DAS ELISA
201	Chloramphenicol
202	Chloroform
203	Chloroform
204	Chlorothymol
205	Chlorpheniramine/dextromethorphan/guaifenesin/phenylephrine/sodium salicylate
206	Chrome yellow
207	Chromeazurol S



No	ITEMS
208	Citric acid
209	Citric acid/sodium laureth sulfate
210	CIVTEST® SUIS SE/MR
211	Coagulase reagent
212	Coagulation test kits or supplies
213	Cobalt chloride hexahydrate
214	Cobalt chloride hexahydrate
215	Cobalt II sulphate Heptahydrate
216	Colony counter
217	Compost
218	Conc Sulphuric acid (96%)
219	Conical flasks
220	Conical test tubes
221	Cool box
222	Copper II Sulphate Pentahydrate
223	Copper sulfate
224	Copper sulphate (AR)
225	Copper sulphate (CP)
226	Corn meal Agar, culture medium
227	Corn starch or corn flour
228	Cotton
229	Cotton Towels (cleaning purpose)
230	Cover slips (22x22mm)
231	Cover slips (24x24mm)
232	Crucibe (silica) 30 ml
233	Crystal Violet
234	Cucumber mosaic virus (CMV), complete kit ,DAS ELISA 384 tests
235	Curcumin
236	Curcumine
237	Cuvettes
238	CYCTOHEXAMIDE,
239	Cysteine hydrochloride
240	D(+)-GLUCOSE MONOHYDRATE
241	DAS-ELISA Plate Reader
242	Defibrinated bovine blood
243	Desloratadine



No	ITEMS
244	Devarda's alloy(500g)
245	DEXTROSE
246	Dichlorophenol- Indophenol
247	Didecyldimethylammonium chloride
248	Didecyldimethylammonium chloride
249	Diethyl ether or ether
250	Diethylene triamine Penta acetic acid
251	Di-ethylic ether
252	Difco gelatin
253	Digestion mixture containing potassium sulphate and copper sulphate
254	Digestion tubes- Straight tubes No 2304005
255	Digestion tubes- volumetric No. 2303025
256	Digestor Block
257	Digital Micropipettes
258	Digital Thermometre
259	Dimethyl sulfoxide
260	Di-methylglyoxime
261	Dimroth condensers
262	Diphenyl amine indicator
263	Diphenylpyraline
264	Di-Potassium hydrogen phosphate
265	Di-sodiumpentacyano nitrosylferrate (III)
266	Disposable masks(N95)
267	Distilling/Kjeldahl round-bottomed, long neck
268	DNA ladder
269	DNA ladder
270	DNAse I Kit
271	Dosage syringes sterile
272	Dropping pipettes
273	DTPA(Di-ethylen triamine pentaacetic acid
274	Dulcitol
275	EDTA – disodium salt
276	Edta disodium aqueous solution reagents
277	Edta/sodium chloride/sodium lauryl sulfate/sodium phosphate
278	ELISA (NCM)Kits for Sweet Potato Viruses
279	ELISA Antibody of African Swine Fever Virus kit



No	ITEMS
280	ELISA Brucellosis kit
281	ELISA kit Foot Mouth Disease ;
282	ELISA for parvovirus kit
283	ELISA kit for Cowpea Aphid Borne Mosaic Virus ( CABMV)
284	ELISA kit for Cucumber Mosaic Virus (CMV )
285	ELISA kits for Banana Streak Mosaic Virus
286	ELISA kits for citrus
287	ELISA kits for Tamarillo (Tree tomato)
288	ELISA Tuberculosis kit
289	ELISA kit leptospirosis
290	ELISA(DAS) Kits for BANANA Bunchy Top virus (BBTV) screening
291	Emergency medical services first aid kits
292	Enrichment cultures
293	Enzyme immunoassay for the quantitative determination of antibodies to New Castle Disease Virus in chicken sera and eggs
294	Enzymes
295	Eriochrome black - T
296	Erythromycin
297	ETHANOL
298	Ethanol
299	Ethanol or methanol or derivatives production services
300	Ethidium bromide stock solution
301	Ethyl alcohol
302	Ethylenediaminetetraacetic acid (EDTA)
303	Ethylenediaminetetraacetic acid disodium salt dihydrate
304	Evaporating flat-bottomed dishes with pour out
305	Ferric ammonium citrate
306	Ferric citrate (III) CITRATE
307	Ferrous ammonium sulphate
308	Ferrous sulfate
309	Ferrous sulphate (AR)
310	Ferrous sulphate (CP)
311	Fiber mesh bag
312	Filter paper
313	Filter paper, 110 mm, grade 4
314	Filter paper, 150 mm, grade 4



No	ITEMS
315	Filter paper, grade 1 (460 mm × 570 mm) pack 0f100
316	Filter papers- Whatmann No 1
317	Filter papers- Whatmann No 42
318	First strand cDNA synthesis kit
319	Flame photometer
320	Foot Mouth Disease Virus Antigen test
321	Food cans
322	Forceps
323	Formaldehyde
324	Formaldehyde/isopropyl alcohol/sodium nitrite
325	Fourier Transform Infra-Red (FTIR) Milk Analyzer
326	Frosted microscope slides
327	Frosted microscope slides
328	Frosted microscope slides
329	Fructose/glucose/phosphoric acid
330	FTA Purification Reagent
331	Fume hoods
332	Fume removal System -25; No. 2350025
333	Galactose/lactose/lactulose
334	Gel loading dyes (6x)
335	Gel red stain
336	Gelatin or jelly crystals
337	General Potyviruses, Broad-spectrum reagent for detection of potyviruses, complete kit, ACP/PTA-ELISA
338	Gentamicin
339	Gibberellic acid(GA <sub>3</sub> )
340	Giemsa Stain kits
341	GIEMSA'S Azure eosin methylene for microscopy
342	Glacial acid
343	Glass stirring rod
344	Gloves
345	Gloves
346	Glutamic acid
347	Glycine
348	Glycine
349	Graduated pipettes-Droppers



No	ITEMS
350	Grafting Tape
351	Gram staining kit
352	Gram staining reagents
353	Greenhouse pots
354	Growth light timer
355	Growth light timer
356	Growth light timer
357	Growth light timer
358	Gum acacia
359	Gum acacia (Arabica)
360	Gums
361	Haematocrit capillary tubes
362	Haemocytometer
363	Hemocytometers
364	Heparin/sodium chloride
365	Hydrazine sulfate
366	Hydrazine sulphate
367	Hydrochloric acid
368	Hydrochloric acid
369	Hydrochloric acid
370	Hydrochloric acid 36%
371	Hydrochloric acid 37%
372	Hydrochloric acid, HCl (0.5N)
373	Hydrogen peroxide 30%
374	Hydrogen peroxide 30%
375	Hydrogen peroxide/sodium bicarbonate
376	Hydrogen peroxide/sodium bicarbonate
377	Hydrometer kit
378	Hydroxylamine Hydrochloride
379	Hydroxylamine hydrochloride
380	Hydroxylamine hydrochloride 500gr
381	Hydroxylammonium chloride
382	Ice packs
383	ImmunoStrip kits for Cassava Mosaic virus detection (Kits of 25Strips + Samples Extract Pouch contains BEB I)
384	ImmunoStrip kits for Banana Bacterial wilt detection (Kits of 25Strips + Samples



No	ITEMS
	Extract Pouch contains BEB I)
385	ImmunoStrip kits for Banana bunchy top virus detection (Kits of 25Strips + Samples Extract Pouch contains BEB I)
386	ImmunoStrip kits for cassava brown streak virus detection (Kits of 25Strips + Samples Extract Pouch contains BEB I)
387	ImmunoStrip kits for Potato Bacteria wilt detection (Kits of 25Strips + Samples Extract Pouch contains BEB I)
388	ImmunoStrip kits Irish Potato Bacteria (Kits of 25Strips + Samples Extract Pouch contains BEB I)
389	ImmunoStrip kits Potato feathery mottle virus detection (Kits of 25Strips + Samples Extract Pouch contains BEB I)
390	ImmunoStrip kits Sweet potato chlorotic stunt virus detection (Kits of 25Strips + Samples Extract Pouch contains BEB I)
391	ImmunoStrip kits Sweet Potato virus (Kits of 25Strips + Samples Extract Pouch contains BEB I)
392	ImmunoStrip kits Sweet Potato virus (Kits of 25Strips + Samples Extract Pouch contains BEB I)
393	Immunostrips for Maize chlorotic mottle virus (Kits of 25Strips + Samples Extract Pouch contains BEB I)
394	Immunostrips for maize potyviruses (SCMV, MDMV, WSMV, MCMV), Kits of 25Strips + Samples Extract Pouch contains BEB I)
395	Indigo carmine or indigotindisulfonate sodium
396	Indol acetic acid (IAA)
397	Indole-3-butyric acid (IBA)
398	Inlet filters
399	Inorganic acids
400	Inorganic acids
401	Inorganic metal salts
402	Inorganic oxides
403	Inositol
404	Insulating fabrics (toiles isolantes)
405	Iodine trichloride
406	Iron chloride anhydrous
407	Iron chloride hexahydrate
408	Isoamylalcohol
409	Jars
410	Jaw Crushers
411	Kinetin
412	Kit DAS-ELISA,Potygroup Test(Polyclonal antibodies)



No	ITEMS
413	Kit NCM-ELISA Potato Virus(PVY, PVX, PVA, PVS, PVM, and PLRV)
414	Kit Potato Virus,DAS-ELISA,Alkaline phosphatase Label,Potato Virus Y, X, A, M, S, PLRV
415	Lab shoes
416	Labels
417	Laboratory coat
418	Laboratory flasks
419	Laboratory forceps
420	Laboratory forceps
421	Laboratory funnels
422	Laboratory incubator
423	Laboratory spatulas
424	L-alanine
425	Lanthanum La
426	L-Arginine
427	Laser Lamp for FTIR
428	Lead
429	Mac conkey agar
430	Magnesium acetate
431	Magnesium chloride (AR)
432	Magnesium chloride/sodium chloride
433	Magnesium oxide
434	Magnesium oxide
435	Magnesium oxide (AR)
436	Magnesium oxide(500g)
437	Magnesium sulphate heptahydrate ( $MgSO_4 \cdot 7H_2O$ ) analytical grade
438	magnetic stir bar
439	Magnetic stir bar
440	MALT EXTRACT AGAR, culture medium
441	Maltose
442	Manganese chloride
443	Manganese chloride
444	Manganese chloride (CP)
445	Manganese sulphate (AR) 1kg
446	Manganese Sulphate Tetra hydrate
447	Mannitol



No	ITEMS
448	Mannitol
449	Marker pens
450	Marker pens
451	Measuring cylinder
452	Measuring cylinder
453	Measuring cylinder
454	Measuring cylinder
455	Measuring cylinder
456	Measuring cylinder
457	Measuring cylinder
458	Medicated applicators or absorbents
459	Mercury medical thermometers
460	Metallic Tables (for selection)
461	Methanol
462	Methaphosphoric acid
463	Methyl orange
464	Methyl red
465	Methylene blue 25g
466	Methylene blue or methylthioninium chloride
467	Microbiology inoculation loops or needles
468	Microcentrifuge tubes
469	Micropipettes
470	Microscope
471	Microscope Cover Glass
477	Microscope glass slides
478	Microscope immersion oil
479	Microscope lenses eyepieces cleaning solution
480	Microscopic slides holder trays
481	Milk ring test
482	Milking salve
483	Milking salve
484	Molecular biology reagents or solutions or stains
485	Monocalcium phosphate (AR)
486	Mortar and pestle
487	Mortar with pestle
488	Mosquito nets



No	ITEMS
489	Mueller Hinton agar
490	Multipurpose paper
491	Multipurpose tissues
492	Murashige and Skook medium including vitamins, (Original concentration, 1962)
493	Mureoxide indicator 25g
494	NaOH pellets,
495	Naphtaleic acetic Acid (NAA)
496	Natamycin/Pimaricin
497	NCM-ELISA Kit for Bacterial Wilt
498	NEGATIVE SERUM (Lyophilized and inactivated)
499	Neomycin
500	Nessler's reagent (Potassium tetraiodomercurate)
501	Net
502	Neutral buffers
503	Neutral buffers
504	Nicotinic acid
505	Nitric acid
506	Nitric acid (AR)
507	Nitric acid ( $\text{HNO}_3$ )
508	Nitric acid 70% 1L
509	Nitrile gloves
510	Nitrile gloves
511	Nitrile gloves
512	Nitrophenol (CP)
513	Nozzle
514	Nozzles
515	Nutrient agar
516	Nutrient broth agar
517	Oat Agar
518	Oligo DT(18),
519	Oligonucleotides
520	Omeprazole/sodium bicarbonate
521	Option : Betidrop oxydase (50x0.75 / Oxoide)
522	Option : Oxidase test kit (50 strips / Oxoide)
523	Option : oxydase / catalase test (30 tubes)
524	Option: ITEM A (367723)



No	ITEMS
529	Ordinary tips
530	Organic acids or its substitutes
531	Organic hydroxides
532	Organic salts or its substitutes
533	Orthophenanthroline
534	Other enzymes
535	Other enzymes
536	Overall/ Salopettes
537	Overall/Salopettes
538	Oxalic acid
539	Oxidase reagent
540	Oxidase test kit (30 discs)
541	Packaging boxes
545	Paper bags
548	Parafilm
549	Parafilm Paper
551	Paranitrophenol (CP)
552	Peristatic pump filter
553	PCR Pre-mix (GE Illustra) beads
554	Pellet Presses PP 25
555	Penicillin o
556	Pepper Veinal Mottle Virus Potyvirus (PVMV), complete kit, DAS ELISA 384tests
557	Pepper Mild Mottle Tobamovirus (PMMoV), complete kit , DAS ELISA
558	Pepper Mottle Potyvirus (PepMoV), complete kit.
559	PEPTONE
560	Peptone water
561	Perchloric acid
562	Perchloric acid 70% (CP)
563	Peristatic pump filter for FTIR
564	Pest de Petits Ruminants (PPR)
565	Pestle or mortars
567	Petri dishes
571	Petri Dishes with Clear Lid
573	Petroleum jelly
574	pH indicator papers (full pH range)



No	ITEMS
575	pH meter
576	Phenobarbital/sodium nitrite
577	Phenol solution
578	Phenolphthalein indicator
579	Phosphoric acid (LR)
580	Phytigel
581	Piperonal
582	Pipette Filler Bulb
583	Pipette from 5-10ml
584	Pipette racks or stands
586	Pipette-dropper
587	Pipettor
588	Plant Agar
589	Plant tissue culture containers (Sterivent High Containers)
590	Plastic bags
592	Plastic bags for sampling
594	Plastic boxes
595	Plastic cups Accessories for (XRF) spectrometer
596	Plastic Harvesting Crates
597	Plastic Pots
598	Plastic sheet
599	Plastic tape measure
602	Plates for brucella screening
603	Platinum loop
605	Polyethylene
606	Polyethylene sheets Accessories for (XRF) spectrometer
607	Polymerase Chain Reaction (PCR) kit
608	Polymerase Chain Reaction (PCR)kit
609	Polypropylene funnels
610	Potassium acetate
611	Potassium chloride (AR)
612	Potassium chloride (KCl )
613	Potassium chloride/sodium bicarbonate
614	Potassium chloride/sodium chloride
615	Potassium chloride/sodium chloride/tromethamine
616	Potassium Chromate



No	ITEMS
617	Potassium chromate (CP)
618	Potassium cyanide
619	Potassium di hydrogen phosphate ( $\text{KH}_2\text{PO}_4$ )
620	Potassium dichromate
621	Potassium dichromate (AR)
622	Potassium dihydrogen phosphate ( $\text{KH}_2\text{PO}_4$ ) (AR)
623	Potassium hexacyanoferrate(II) $\text{K}_4(\text{Fe}(\text{CN})_6).3\text{H}_2\text{O}$
624	Potassium hydrogen Phosphate
625	Potassium hydrogen phosphate
626	Potassium Hydrogen Phthalate
627	Potassium hydrogen phthalate
628	Potassium hydroxide
629	Potassium hydroxide
630	Potassium hydroxide
631	Potassium Iodide (KI)
632	Potassium nitrate( $\text{KNO}_3$ )
633	Potassium nitrate/sodium fluoride
634	Potassium nitrate-8g
635	Potassium oxalate
636	Potassium periodate ( $\text{KIO}_4$ )
637	Potassium permanganate
638	Potassium permanganate ( $\text{KMnO}_4$ )
639	Potassium peroxodisulfate
640	Potassium phosphate
641	Potassium phosphate, $\text{KH}_2\text{PO}_4$ (AR)
642	Potassium sodium tartrate
643	Potassium sodium tartrate
644	Potassium sulphate
645	Potassium sulphate-100ml; 0.5M
646	Potassium thiocyanate
647	Potassium thiocynate
648	Potato Carrot Agar (PCA)
649	POTATO DEXTROSE AGAR
650	Potato Glucose Agar
651	Pots
652	Print assay Laser Detector-PCB for FTIR



No	ITEMS
653	Proteinase K
654	Pumice stone
655	Pyridoxine-HCl
656	Pyrrolidone
657	Quinolone
658	Ralstonia Solanacearum PathoScreen Kit,DAS-ELISA,Peroxidase label,Potato-Bacteria
659	Rapid antibiotic residue detection strips/Aflatoxin
660	Rapid antibiotic residue detection strips/Gentamycin
661	Rapid antibiotic residue detection strips/Oxytetracycline
662	Rapid drug residues test kit
663	Rapid test kits
664	Reagent kits
665	Reagent kits
666	Resazurin
667	Resistance for Water distiller
668	Rifampicinn or rifampin
669	Rifamycin
670	Rift Valley Fever
671	Rift Valley Fever ELISA
672	RNAse A
673	Rosa antibiotic strips
674	Rose Bengal
675	S-470 Cleaning
676	S-6060 Zero liquid concentrate
677	Sabouraud agar
678	Safranin
679	Salicyclic acid
680	Sample divider PT 100
681	Sample ring kit model C, Ø 53 mm
682	Sand
683	Scalpel blades
684	Scalpel blades / Bistouri
685	Scapa Greenhouse Patching Tape
686	Silica
687	Silicates



No	ITEMS
688	Silicon manganese alloy
689	Silver nitrate (25gr)
690	Silver sulphate
691	Slide holder
692	slides holder
693	Small plate (holder of seed during sowing)
694	Sodium acetate
695	Sodium acetate
696	Sodium acetate
697	Sodium acetate( $\text{Na}_2\text{H}_3\text{O}_2 \cdot 3\text{H}_2\text{O}$ )
698	Sodium Azide
699	Sodium azide
700	Sodium bicarbonate
701	Sodium bicarbonate extractant 42g in 1 litre
702	Sodium bicarbonate/tartaric acid
703	Sodium chloride
704	Sodium Chloride, analytical grade
705	Sodium chloride/sodium sulfite/sodium thiosulfate
706	Sodium chloride/sodium sulfite/sodium thiosulfate
707	Sodium citrate
710	Sodium cobaltinitrite
711	Sodium cyanide
712	Sodium dichloroisocyanurate
713	Sodium dihydrogen phosphate dihydrate
714	Sodium diphenyl dithiocarbazone
715	Sodium Fluoride
717	Sodium hydrogen carbonate
718	Sodium hydroxide
721	Sodium hydroxide(500g)
722	Sodium hydroxide-160g; 4M
723	Sodium hypochlorite
725	sodium lauryl sulphate(=dodecyl-Na-sulphate)
726	Sodium molybdate dihydrate
727	Sodium nitroprusside
728	Sodium phosphate
731	Sodium phosphate monobasic



No	ITEMS
732	Sodium pyrophosphate dibasic
733	Sodium pyrophosphate tetrabasic
734	Sodium salicylate
735	Sodium sulfate
736	Sodium tartate
737	Sodium tetra borate Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> .10H <sub>2</sub> O.
738	Sodium thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> .5H <sub>2</sub> O)
739	Sodium thiosulfate or thiosulfate or thiosulphate
740	Sodium thiosulphate
741	Sodium tungstate
742	Sodium tungstate
743	Soil
744	Spatula
745	Spatula (spons)
746	Spring hooks
747	Stannous chloride
748	Std 0.1667M potassium dichromate, K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>
749	Sterile disposable sample collection bags
750	Sterile filter tips
751	Sterile gloves
752	Sterile inoculating loops
753	Sterile plastic inoculating loops
754	Sterile plastic inoculating loops
755	Sterile plastic test tubes
757	Sterile swab application
758	Sterile swab applicator
759	Sterilization instruments or sterilization cases inserts
760	Sterilizer, dry bead, bead sterilizer, glass bead sterilizer, Steri (bead sterilizer)
761	Stop watch
762	Streptomycin
763	Streptomycin sulfate
764	Sucrose
765	Sucrose (1KG)
766	Sucrose (AR-grade)
767	Sulfamethoxazole/trimethoprim
768	Sulphur



No	ITEMS
769	Sulphuric acid
772	Surgical blade
773	Surgical blade
774	Syringe
775	TAE Buffer, 50x, ultrapure grade
776	Tap sieve shaker AS 200
777	TBE Buffer,
778	TE Buffer(1X)pH 8.0
779	Teat dip cup
780	Teat dip reagent
781	Test tube racks
782	Test Tubes
787	Tetracycline
788	Thermometer
789	Thermometer max/ min
790	Thiamine-HCL
791	Thidiazuron (TDZ)
792	Thioglycolic acid
793	Thumb Forceps
794	Tip trays
795	Tissue papers
796	Tobacco etch virus (TEV), complete kit , DAS ELISA
797	Tomato Spotted Wilt Tospovirus (TSWV), complete kit . DAS ELISA
798	Transport Medium EMEM
799	Trehalose
800	Triethanolamine
801	TRizol® Reagent kit for RNA Extraction
802	Trypan Blue Stain
803	Tylosin
804	Udder check mastitis kit / Porta check
805	Unslaked lime
806	UV/VIS cuvettes, disposable
807	V-8 agar medium
808	Vaseline
809	Vegetable flour
810	Venoject dry tubes 5 mL



No	ITEMS
811	Venoject needles dry tubes 5 ml
812	Vermiculite
813	Veterinary injection or suction units or accessories
814	Volcanic soil
815	Wash bottle
820	Waste containers or rigid liners
821	Watch glass
822	Water bath
823	White Delta Trap, top up plates and Pheromone
824	Wire gauze with asbestos centre 150 x 150 mm
825	X-RAY film polyester-PETP 3.6µm précoupé pour cellule liquide (1000 pcs)
826	X-ray Fluorescence (XRF) spectrometer
827	YEAST EXTRACT powder
828	Yeast mannitol broth
829	Zeatin
830	Zinc acetate dehydrate
831	Zinc sulfate( ZnSO <sub>4</sub> )
832	α-Amylase
833	Venoject EDTA tubes 5 mL
834	Venoject Heparin tubes 5 mL
835	ELISA CBBP kit
836	ELISA PPR kit
837	Modified blood azide agar (MBA)
838	Erysipelothrix Selective Broth
839	Nutrient gelatin medium
840	Bile Esculin Agar
841	Rolling adsorbent papers
842	Undiluted acetone acetone
843	Fluorescent conjugate (Lyophilised, absorbed anti-rabies nucleocapsid conjugate)
844	Glycerol
845	Evan's blue
846	PBS
847	Cleaning brushes packet
848	Autoclavable red plastic bags with biohazard mark
849	Liquid soap
850	Powder soap



No	ITEMS
851	ELISA kit for IBD and ELISA kit for IB
852	ELISA kit for Salmonellosis
853	ELISA kit for Marek
854	ELISA kit for Typhose aviaire
855	Surgical masks box
856	N95 or KN95 facial mask
857	ELISA kit for Cysticercosis
858	Parafilm
859	Ordinary tips
860	Lab marker pens
861	Ziehl Nielsen stain kit
862	Reagents to adjust PH
863	Cryogenic vials
864	Sterile applicator
865	Absorbent protector sheets
866	superscript III Reverse transcriptase
867	3M B-mecraptoethanol (B-ME)
868	GelRed
869	Tween 20
870	Nitrile gloves
871	Hand sprayer
872	Ethanol Absolut for molecular biology grade
873	Ordinal tips
874	Instant hand sanitizer (fresh scent)
875	Needles for the automatic syringe
876	Sterile applicator packet
877	Surgical masks box
878	Disinfectant gel for hydrochloric hand rubbing
879	RNeasy Mini kit
880	Potassium hydroxide
881	Coagulase test
882	Trypicase soy agar
883	Saline solution
884	Ethyl alcohol
885	3M B-mecraptoethanol (B-ME)
886	Molecular laboratory tips



No	ITEMS
887	Potassium hydroxide
888	Disinfectant gel for hydrochloric hand rubbing
889	Oxidase reagent
890	Giemsa stain kits
891	Carrier RNA
892	Virkon
893	Ethanol absolute 99.8%
894	Salopettes/Overall
895	Hand sprayer
896	Magnetic stir bar
897	Bunsen Burner
898	Water bath
899	Digital seed counter machine
900	Distilator
901	Sealer
902	Seed germinator
903	Fridge
904	Laminar flow
905	PH Meter
906	Voltage regulator
907	Ice maker machine
908	Incubator
909	Thermotherapy
910	Refrigerated benchtop Centrifuge
911	Benchtop Centrifuge
912	Freezer (-20 <sup>0</sup> c)
913	Refrigerator
914	Microwave
915	Thermocycler (PCR machine)
916	Electrophoresis set
917	Gel doc
918	Balance
919	Vortex
920	Steri
921	Desiccators
922	Microscope



No	ITEMS
923	Elisa plate reader
924	Thermocycler Eppendorf
925	Elisa Plate Analysis
926	Gel D Bio-Print
927	Precision & Analytical Balance
928	Small Water Bath
929	Centrifuge Eppendorf
930	Vortex
931	Power supply Cleaver
932	STICK Aspirateur
933	Dessicator
934	Diaphonoscope
935	Electric divider
936	Electronic scalpel
937	Electronic divider
938	Laboratory milling machine
939	Laboratory seed dryer
940	Mechanic divider machine
941	Moisture analyzer
942	Moisture meter
943	Seed blower
944	Seed counter machine
945	Seiveshacker
946	Oven machine
947	Talecounter
948	Molybdenum green grade
949	Mono Potassium Phosphate, green house grade
950	Calcium Nitrate
951	JIK
952	Rose Bengal kit
953	Brucella Ring Test kit
954	California Mastitis Test
955	Antimicrobial discs
956	Rosa antibiotic strips
957	Defibrinated bovine blood
958	Oxidase reagent



No	ITEMS
959	Coagulase reagent
960	Gram staining kit
961	Giemsa Stain kits
962	Kit for monitoring SCC
963	Immersion oil
964	Microscope lenses/ eyepieces cleaning solution
965	Tuberculin (Bovis & Avian)
966	Disinfectant
967	Personal Protective Equipment
968	API 20 kit
969	Kit for monitoring SCC
970	Instant hand sanitizer
971	Biological shipping boxes
972	Vaseline
973	JIK solution
974	Sodium Hypochlorite 3,5 % m/v
975	Milking salve
976	Teat dip disinfectant
977	Formalin
978	Sodium Chloride
979	NaCl solution
980	Acetic acid
981	Sodium hydroxide
982	Ultra Pure Agarose 500g
983	100mM dNTP Set
984	Methyl Alcohol (Analar )
985	Glycerol
986	H2O2
987	KH2PO4 potassium dihydrogen
988	Potassium hydroxide
989	Na2HPO4.12H2O disodium
990	Methlyne blue Sodium Chloride
991	Carrier RNA
992	Buffer AVL
993	Buffer AW1,AW2
994	Sulfuric Acid



No	ITEMS
995	Xylene
996	Water Molecular grade
997	Sterile petri dishes
998	Autoclavable Petridishes
999	Petri dishes rack
1000	Frosted microscope slides
1001	Slide holder
1002	Syringe
1003	Sterile inoculating loops
1004	Sterile disposable sample collection bags
1005	Autoclavable waste plastic bags
1006	Autoclave indicator strips/tape
1007	Tissue papers
1008	Udder check mastitis kit / Porta check
1009	Scalpel blades / Bistouri
1010	Graduated pipettes-Droppers
1011	Pipette-dropper
1012	Ice packs
1013	Aluminum foil
1014	Boots / Field shoes
1015	Digital Thermometer
1016	Thermometer
1017	Thermometer max/ min
1018	Micropipettes
1019	Plates for brucella screening
1020	Sterile filter tips
1021	Tip trays
1022	Scalpel blades
1023	Microscope cover glasses
1024	Autoclavable Test tubes
1025	Conical test tubes
1026	Microcentrifuge tubes
1027	Autoclavable test tubes rack
1028	Filter paper
1029	Stop watch
1030	Teat dip cup



No	ITEMS
1031	Cotton
1032	Labels
1033	Lab shoes
1034	Sterile gloves
1035	Laboratory coat
1036	Sterile swab applicator
1037	Cool box
1038	Spatula (spons)
1039	Pipette from 5-10ml
1040	Pipettor
1041	Brushes
1042	Bottles
1043	Conical flasks
1044	Beakers
1045	Glasswares all types & Size
1046	Filter paper all size
1047	Spectrophotometer (UV-visible)
1048	Atomic absorption spectrophotometer (normal flame)
1049	pH meter
1050	Conductivity meter
1051	Balance scales(one in ten thousand)
1052	Balance scales(one percent)
1053	Oven
1054	Water bath oscillator with digital constant temperature
1055	Digital oil bath
1056	Fully automatic Kjeldahl analyzer
1057	Temperature controlled far infrared digestion furnace
1058	Control system for soil testing formula
1059	Special automatic pipetting and diluting instrument
1060	Pump suction system
1061	Automatic scrubber
1062	Soil sample pretreatment and measurement series equipment
1063	Drying oven for constant temperature soil
1064	Dosing device / dilution dosing device
1065	Automatic dispenser
1066	FT-IR Spectrometer



No	ITEMS
1067	pXRF Tracer Vi
1068	Sample Mill
1069	Additionnal apparatus
1070	Barcode system
1071	Soil archive system and installation
1072	8x12 water proof bags
1073	2x3 water proof bags
1074	sturday plastics bags
1075	Thick PVC gauge 1000
1076	Non fluffy towels
1077	Non fluffy towels
1078	Halide Dector Lamps Biorange + tablettes
1079	RETSCH all types (in clunding as 200 tap)
1080	Spectrometer X Ray Fluorescence
1081	DAS ELISA PLATE READER LT 45000
1082	Resistance Thermometer

**NOTE:**

Inputs, materials and equipment on this list which are rabbled wit (SI)- meaning Sensitive Item(s) which may be used in other sectors other than agriculture, will be exempted from VAT upon obtaining a recommendation (clearance) from Ministry of Agriculture and Animal Resources or its agencies certifying that such goods are being purchased for use on agricultural production.

