

STANDARD LIST

AGRICULTURE MACHINERY OPERATOR

SECTOR: AGRICULTURE

SUB-SECTOR: AGRICULTURE CROP PRODUCTION

REFERENCE ID: AGR/Q1103



State Council of Educational Research and Training (SCERT)

Vidyabhavan, Poojappura, Thiruvananthapuram - 695 012

www.scert.kerala.gov.in

1AGRICULTURE MACHINERY OPERATOR

This list of equipment, tool, furniture & consumables are prepared for a batch of 30 students

Part A - EQUIPMENTS			
Sl.No	Equipment	Specification	Quantity
1	Open end spanner set	6 to 32 mm	05 set
2	Ring end spanner set	6 to 32 mm	05 set
3	Socket spanner set	6 to 32",32(13 piece with Ratchet, sliding T head and Extension rod	05 set
4	Allen key set	2mm-10mm	03
5	Wrenches	21 to 70 mm	03
6	Plier	Medium size	03
7	Screw driver set	Standard	03
8	Hammer	Ball peen(500Gms,800Gms)	15 each
9	Punches	1/8",5/32",3/16",1/4",5/16"(hallow set with 3.5 length)	10
10	File set	Flat 6" smooth	05 set
11	Combination set	6mm to 32mm	01
12	Steel rule	12"	15
13	Measuring tape	5m,steel measuring tape, retractable	15
14	Torque wrench	1-7mkg,3-14 mkg and 5-23mkg	01
15	Wheel jack	3 Ton Trolley type/ bottle type	02
16	Tachometer	2.5 to 50000 rpm (r/min)	01
17	Multi Meter	Amp:200micro amp to 10amp,200ohm to 2000K ohm,200mV to 1000V DC and 200mV to 750V AC with accuracy 0.01mm	02
18	Stop watch	12hrs.timing capacity	02
19	Battery charger	12V,7amp charging capacity ,7AH to 220AH	01
20	Oil cane	200ml capacity	03
21	Grease gun	120gms,4"extension (Hand operated)	01
22	Hydrometer	To read up to 1.280,1.300	02
23	Battery	12V 5A	02
24	Tyre pressure gauge	Up to 50psi	01
25	Cell tester	12 W	01
26	Line tester	Iron material, Multi Purpose	05
27	Soldering iron	35 W	05
28	Circle pliers	7 inch	03
29	Chain wrench	4 inch	03
30	Pipe wrench	8 inch , 18 inch	03 each
31	Pressure gauge	10psi	03
32	Chisel set Drop forge	16x22x20	10 set
33	First Aid kit	Gauze pad (at least4 buy 4inches) two large gauze pad(at least 8 by10 inches) A box of adhesive bandage, roll of bandage, triangular bandage, cleaning agent, scissors, one banquet, Tweezers, Adhesive tape , Latex Gloves, Two elastic wraps, Splint	02

PART B – AGRICULTURE MACHINE EQUIPMENTS			
Sl. No	Equipment	Specification	Quantity
1	Tractor	40HP With cultivator (Category 1)	01
2	MB Plough	1-2 bottom,45cm	01
3	Disc plough	2 Disc, 60-90 cm (category.1)	01
4	Cultivator	9 finger, spring tynd (Category 1)	01
5	Disc harrow	1.0-1.5m 6 nos	01
6	Rotavator	1.2-3.0, 36 nos blade	01
7	Seed cum fertilizer	9-11, Tractor drawn	01
8	Power tiller	7 – 12 HP	01
9	Battery operated sprayer	10-15 lit, 12v - 32Ah	01
10	Manual fertilizer broadcaster	2-5 kg, hand crank	01
11	Manual Transplanter	Root washed, 2-4 rows, 20-30cm	01
12	Manual dibbler	Single, 1.5 kg	01

Part C - AGRICULTURE TOOLS AND ACCESSORIES			
Sl. No	Equipment	Specification	Quantity
1	Grass cutter	1-2 HP, 2 or 4 stroke Petrol	01
2	Sickle	Standard with wooden handle	06
3	Spade	1.6 Kg with handle	06
4	Hand hoe (Khurpi)	Standard	03
5	Axe	2 kg with handle	03
6	Trowel	Standard garden trowel	03
7	Pickaxe	3.0 Kg with Handle	06
8	Manual Weeder	Single / 2 Row	02

Part D - CONSUMEBLES			
Sl No	Equipment	Specification	Quantity
1	Hacksaw blade	300mm	100 nos
2	Soldering led		1\2kg
3	Diesel		25 lit
4	Petrol		5 ltr
5	Cotton waste		10 kg
6	Washing soap		5 bar
7	Grease		3 kg
8	Insulation tape		5 role
9	Kerosene		10 ltr
10	lubricating oil	SAE 40	10 ltr
11	lubricating oil	SAE 60	10 ltr
12	lubricating oil	SAE 90	10 ltr
13	Screws		100 nos
14	Rivets		2kg

15	Gloves	Synthetic leather construction with breathable micro fiber	15 sets
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PART E- FURNITURE			
Sl.No	Equipment	Specification	Quantity
1	Work Bench Wooden	3ft height x 6ft lengthX4ft breadth X2.5" thickness	5
2	Almirah for keeping Tools	6feet Height 3 feetwidth 1.75"Depth and 18Gauge	3

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