

# Procurement Plan for CARLEP- July to December, 2025

Sl.No.	Item	Specifications	Unit	Qty	Rate	Amount	Remarks
1	Promotion of fruit orchard nettings for birds and insect protection						
a.	Onfarm promotion						
1	Insect proof net (10 m width)	40 mesh, 10m width, 30m length	Roll	8			F&N
2	Bird nets protection	10-15mm hole, 7mX54m,	Roll	13			F&N
	Sub-Total						
b	Hydroponics trial on nutrient formulation						
1	Pre-mix nutrient for fruiting vegetables	Fruiting A (500 g pkt)	Kg	25			F&N
2		Fruiting B (500 g pkt)	Kg	25			F&N
3		Leafy A (500 g pkt)	Kg	25			F&N
4	Pre-mix nutrient for Leafy vegetables	Leafy B (500 g pkt)	Kg	25			F&N
	Sub-Total						
c	Procurement of materials to conduct research on fruits and nuts						
1	Vernier calliper	Solar power, digital vernier calliper carbon fiber composite micrometer gauge white screen measuring 150mm 6 inch	no	1			F&N
2	Penetrometer	Range 0-20 kg/sq.cm, high precision sensor, Accuracy ±1%, application: applicable for soft fruits, little hard and hard fruits	Nos	1			F&N
3	Secatuer (Japanese made Otsukane with cover)	200mm, otsukane brand Japanese made	no	15			F&N
	Sub-Total						
D	Strengthening Mushroom Spawn Production Unit						



1	Horizontal Autoclave	Cylindrical/Rectangular design, Stainless steel interior and exterior, Working pressure 15psi to 30psi, Sterilization temperature 121°C, Digital temperature controller, Digital Timer and alarm (buzzer), Brass Safety valves, Automatic pressure control switch, Reliable steam pressure gauges, Vacuum breaker and steam trap valve, Brass Safety valves, Viewing glass water level check, Triple walled construction, Powder coated/chrome plated MS stand, Automatic water level cut-off, Chamber dimension and depth (mm): 740x1250, Frequency:				No	1			Mushroom
		Sub-Total								Mushroom
		Upscale Mushroom Intensification and Production in the Region								
		Plastic bags for saw dust mushroom production	Material: Polypropylene (PP), Color: White, Special feature: 0.5 micro filter, Planter form: bag, Autoclavable, Size: 10"x8"x35" 0.08mm	Kg	200					
		Metallic drum	Capacity: 200 litres, With lid, Heat Resistant	No	100					
		Flexible hose pipe 50 mtr length	20mm	No	15					
		Sub-Total								
F	Promotion of Innovation Technology									
1	5.5 feet Automatic heavy duty allgeared head Lathe machine, 54mm	Bed length – 5.5feet, Height of centre – 254mm, Swing over bed – 490mm, Spindle bore – 54mm, Machine type- All geared heavy duty lathe machine, Applicable – metal cutting, rolling, threading, Bed width – 325mm, No of spindle speeds- 8, Swing over cross slide - 290mm, Max swing in gap – 800mm, Lead screw diameter – 38mm, Lead screw pitch – 4 T.P.I., Tail stock spindle taper bore – MT-4, Motor power – 3hp, 3phase, 415 V, spare 4-jaw chuck, and drill bit chuck				No	1			TSS



2	Mix Tool Box set	1x Water pump pliers 250mm-1x Diagonal cutting pliers 150mm-1x Long 1/2 round nose pliers 150mm-1x Universal pliers 150mm-1x Cutter-1x Adjustable wrench 250mm-1x 6-compartment box. 1x Bi-material magnetic torpedo level 25cm - 1x Measure 5m X 19mm bi-material Tylon -8x Screwdriver: bit holder- PH1-PH2 – PZ1-PZ2 – Mechanic 6.5x150-5.5x100- 3x75 - 1x tester screwdriver-9x male keys ( 1.5-2-2.5-3-4-5-6-8-10), 1x hacksaw - 1x penlight (batteries not included) - 1x cutter 18mm - 1x wooden handle hammer 300g, 1x 72-tooth 1/4" ratchet -10x 1/4" sockets (6-point): 5.5 – 6 – 7 – 8 – 9 – 10 – 11 – 12 – 13 – 14 mm-2x Extensions 1/4": 75 mm – 150 mm -1x Bit holder 1/4"-1x Universal joint 1/4" -1x Ratchet 72 teeth 1/2" -16x Sockets 1/2" (6 sides): 10 – 11 – 12 – 13 – 14 – 15 – 16 – 17 – 18 – 19 – 21 – 22 – 24 – 27 – 30 - 32 mm-2x 1/2" extensions: 75 mm – 250 mm - 1x 1/2" universal joint -3x 1/2" spark plug sockets: 16 – 19 – 21 mm -12x Combination wrenches: 8 – 9 – 10 – 11 – 12 – 13 – 14 – 15 – 16 – 17 – 18 – 19 mm-1x 1/4" 25mm screwdriver bit set – 61 pcs in preformed foam	No	2			TSS
3	Redail drilling machine, distance between spindle and base plate	Drilling capacity – 40mm, Distance between spindle and base plate : 255x860, Drilling capacity (steel) – 40mm, Type of drilling machine – Radial, Spindle speed – 8, Spindle travel – 255, No of spindle speed – 8, With 2HP 3 phase motor, 1 HP, 3-ph motor, drill chuck, arbor, sleeve, V-belt, reverse forward switch complete set.	No	1	0		TSS
	Sub-Total						
G	Improved greenhouse construction for off season vegetable production						
	Chilli preservation on farm trial in cold store						
1	Insulation Foam	4 mm thick	Meter	360			Vegetable section

2	Cold storage AC with humidifier	Cooling capacity 1 Ton, Non-Inverter Temperature regulation 0-25 Degree Celcius, RH 0-100%. Control with IoT based Web and app control and monitoring system	set	2				Vegetable section
3	SMART Cold storage control and monitoring system	Web and mobile App based control and monitoring system with local and world wide access. Inbuilt temperature, humidity and CO2 sensors. Option to add other sensors and actuators for automation	set	2				Vegetable section
	<b>Grand Total</b>							