



CIAE Equipment / Technologies Ready for licensing (128 Nos.)

[For further enquiries on license fee and license agreement proforma,
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Recently Developed Technologies [2014-2018]

Sr. No	Name of /Equipment/ Technology/Product
Farm Machinery	
1.	ICAR-CIAE manual stalk uprooter
2.	ICAR-CIAE hand held vegetable transplanter, Model –I (Single Row)
3.	ICAR-CIAE hand held vegetable transplanter, Model –II (Two row)
4.	ICAR-CIAE manually operated portray type nursery seeder
5.	ICAR-CIAE manually operated push type single row vertical plate planter with fertilizer drill
6.	ICAR-CIAE manually operated pull type three row planter for millets – multi-crops Model I –(Inclined plate Type)
7.	ICAR-CIAE Manually operated pull type three row planter for millets – multi-crops Model-II-(Vertical plate type)
8.	ICAR-CIAE bullock drawn three row planter with fertilizer drill for millets - multi-crop Model I –(Inclined plate type)
9.	ICAR-CIAE bullock drawn three row planter with fertilizer drill for millets - multi-crop Model-II- (Vertical plate type)
10.	ICAR-CIAE Power tiller attachment to six row planter with fertilizer drill
11.	ICAR-CIAE tractor drawn six row planter with fertilizer drill for millets/multi-crop Model I –(Inclined plate Type)
12.	ICAR-CIAE tractor drawn six row planter with fertilizer drill for millets/multi-crop Model-II- (Vertical plate type)
13.	ICAR-CIAE animal lifting device for bullock and equines
14.	ICAR-CIAE tractor drawn rotary assisted broad bed former-cum-seeder
15.	ICAR-CIAE motorized multi millet thresher
16.	ICAR-CIAE tractor drawn seed-cum-Fertilizer drill with two stage fertilizer application system
17.	ICAR-CIAE SPAD- meter
18.	ICAR-CIAE tractor drawn pre-emergence herbicide strip applicator-cum-planter

Processing Equipment / Technology	
19.	ICAR-CIAE power operated expanding flap type fruit grader
20.	ICAR-CIAE power cum manual operated Fruit &Vegetable Grader
21.	ICAR-CIAE power operated millet flaking machine
22.	ICAR-CIAE ripening chamber for horticultural crops
Food Products	
23.	ICAR-CIAE soy fortified nutritious healthy noodles
24.	Extruded functional snacks food
25.	ICAR-CIAE Nutri-bar
26.	ICAR-CIAE Gluten Free Eggless Cake
27.	ICAR-CIAE Multi Nutrient <i>Ladoo</i>

Earlier Developed Technologies [Prior to 2014]

Sr. No.	Technology / Equipment
Farm Machinery & Power	
Manually Operated	
1.	Manual Rice Transplanter (2 row / 4 row)
2.	Dry land weeder / Peg type weeder
3.	Manually operated cono weeder- plastic moulded cones
4.	Improved manual metallic cono weeder
5.	Manual 4 row / 8 row rice seeder
6.	Rotary dibbler
7.	Grubber weeder
8.	Tubular maize sheller
9.	CIAE dynapod
10.	CIAE Serrated Sickle
11.	Naveen Dibbler
12.	Hand Rider for Women
13.	Safety attachment with champeri model coconut climber
Animal Operated	
14.	Three row seed drill
15.	Three row seed cum fertilizer drill
16.	Two row seed drill
17.	Two row seed cum fertilizer drill
18.	Two/three row Inclined Plate Planter
19.	Multipurpose Tool Frame
20.	Patela Harrow
21.	Improved Bhakhar
22.	Lugged Wheel Puddler
23.	Multirow rice seeder
24.	Groundnut Digger
Power Tiller Operated	

25.	Power tiller operated reaper
26.	Power tiller drawn seed cum fertilizer drill
27.	Power tiller operated till plant machine
28.	Power tiller drawn seed drill
29.	Power tiller drawn sweep cultivator
30.	Treated rotavator blade
31.	Light weight power tiller
32.	CIAE Power weeder
33.	Pigeon pea Thresher
34.	Multi crop plot thresher (7.5 hp)
35.	Semi-Axial flow thresher
36.	High capacity multi-crop thresher
37.	CIAE multicrop thresher (5 hp)

Tractor Operated

38.	Peg type puddler
39.	Tractor Drawn Mole Plough
40.	Tractor Drawn Six Row Precision Plot Drill
41.	Tractor Drawn vegetable transplanter
42.	Tractor Operated Punch Planter
43.	Tractor operated Inclined plate planter
44.	Power tiller drawn auger digger
45.	Tractor Operated Groundnut Digger
46.	Straw reaper with built-in trailer
47.	CIAE Aero blast sprayer
48.	Precision Pneumatic Planter
49.	Tractor Operated Raised bed seeder cum bed shaper

Electrically (Power Operated)

50.	Motorized Single Ear Head Thresher
51.	Portable Weighing Machine and systems for animals
52.	Tread Mill for Animal
53.	Animal Loading Car

Self propelled

54.	Self-Propelled Hydraulic Multipurpose System for Orchard Operations
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Processing Equipment / Technology

Manually Operated

55.	CIAE Pedal cum Power Operated Grain Cleaner cum Grader with and without motor
56.	Groundnut decorticator (sitting type)
57.	Groundnut cum castor decorticator (standing type)
58.	Groundnut/ sunflower decorticator with feeder and separator
59.	Manual soybean dehuller
60.	Hand operated potato peeler
61.	Pedal operated potato peeler
62.	Pedal operated potato slicer
63.	Hanging Screen Grain Cleaner and Sack Holder

Power Operated

64.	Vegetable Dryer
65.	Paneer Pressing Device
66.	Soy-Milk Filtration Unit
67.	Grain flour separator
68.	CIAE Dal Mill
69.	Tray drier for Fruits & Vegetables
70.	Soybean blanching unit
71.	Soybean flaking machine
72.	Motorized soybean dehuller
73.	Multi-purpose grain mill
74.	CIAE Millet Mill
75.	Cottage scale soy paneer plant
76.	Multi Purpose TRAY / LSU dryer
77.	Arecanut Sheath-Shredder
78.	Moringa Leaf Stripper
79.	Multi-Nutrient Biscuit
80.	CIAE Soy-Butter

Agro-Energy Equipment / Technology

81.	Charring Kiln-Portable
82.	Briquetting Machine
83.	Natural Draft Gasifier with Hand blower
84.	Portable Up Draft Gasifier
85.	CIAE Solar Cabinet Dryer
86.	Multi Fuel Cooking Stove
87.	Solar Cocoon Dryer (1 hp)
88.	Solar assisted dehumidifier based electric dryer (2 hp)
89.	Bio-Diesel Plant
90.	Solar Cocoon stifier
91.	CIAE Double Reflector Type Solar Cooker
92.	Solar tracking Device

ICAR-CIAE-Regional Centre, Coimbatore developed technologies

Farm Machinery & Power

93.	Manually operated walking type three row rice transplanter
94.	Pedal operated sugarcane bud chipping equipment
95.	Power weeder for narrow spaced crop
96.	Pneumatically operated sugarcane bud chipping equipment
97.	Power Operated model of sugarcane bud chipping equipment
98.	Back pack model of oil palm harvesting equipment

Processing Equipment / Technology

99.	Aonla Deseeding Segmentation Unit
100.	Power operated Curry leaf stripper
101.	Multiplier Onion peeler