

Mushroom Growing Unit

Total Production 4 tonne/crop (2-3 crops in one season) using 2000 bags each of 10 kg (20 tonne compost/room)

S.No.	Name of component of Equipment/Machinery	No./Size	Cost (₹ in lakhs)	Remarks
1.	Land	4000 sq. ft.	-	No subsidy for the cost of land
2.	Construction of cropping rooms using bricks/ insulated bricks/ thermocol or PUF panels	2 rooms of 20 (w)x62.5 (L) x 13(ht)ft. (external dimensions) @ ₹ 600/sq. ft.	15.00	In case of bricks structure the walls may be insulated using 2" thermocol for round the year cultivation.
3.	Racks (5 shelves) for two rooms (two rows of racks in each room)	54' (length of rack) x4.5' (width of rack) x5 (shelves) x2 (rows) x2 (rooms) = 2430 sq. ft.	2.50	Iron racks
4.	Humidifiers, coolers, heaters (or AHU*) and other petty equipment/ implements	-	2.50	Lump sum
	Total		20.00	

* The cost of Air Handling Unit will be more and the grower will have to bear the additional cost. However, with this it may be possible to take 5-6 crops in a year.

** The cost estimates are tentative and the values and sizes may change. However, the subsidy will be available only on the total cost of 20 lakh or actual whichever is less.

Compost Tunnel

8 tonne wheat straw for 20 tonne final finished compost

a) Land

Sr.No.	Name of Component/Machinery/equipment	No.	Size	Remarks
1.	Compost yard and land for storage of raw materials	1	40'x60'	
2.	Pasteurization tunnel (insulated) External dimensions	1	11'x40'x13.5'	
3.	Casing pasteurization chamber	1	11'x20'x10'	
4.	Spawning room	1	11'x20'	
	Total Area approx. including open spaces		5000 sq. ft.	

Total cost of construction of compost yard, tunnel, spawning room= 15.00 lakhs

b) Equipment

S.No.	Name	Number	Remarks
1.	Centrifugal Blower of 6500 CHM	1	Backward curved/ inclined
2.	Boiler 200 kg capacity	1	Prefer baby boiler
3.	Ducting	1	Insulate ducting by thermocol
4.	Insulated doors	2	
5.	Hepa Filters, thermometers, etc.		At least 3 thermometers
6.	Miscellaneous equipment		

Total cost of equipments: ₹ 5.00 lakh

GRAND TOTAL (a+b)= 20 LAKH

Spawn Lab

30 tonnes capacity/year

a) Land

Sr.No.	Name of Component/Machinery/equipment	No.	Size	Remarks
1.	For office/packing/sale	1	10'x12'x12'	
2.	Store	1	10'x12'x12'	
3.	Boiler room	1	8'x10'x12'	
4.	Boiling, Mixing and Autoclaving Room	1	20'x25'x12'	
6.	Inoculation Room with double door/change room	1	10'x15'x12'	
7.	Incubation Room	1	20'x10'x12'	
8.	Cold room	1	10'x10'x12'	
	Total		1270 sqft	

Total Cost: ₹ 8.00 lakhs

b) Equipment

Sr.No.	Name of Component/Machinery/equipment	No.	Size	Remarks
1.	Boiler	1	200 kg	
2.	Boiling kettle	2	50 kg each	
3.	Oven	1		
4.	Balance	1		
5.	pH meter	1		
6.	UV tubes	2		
7.	Autoclave	1	3'x3'x4'	100 kg capacity
8.	Laminar flow	1	2'x6'	
9.	BOD & Refrigerator	-	-	
10.	AC 2 Ton	2	4 TR	
11.	Generator 10 KV	1	1	
12.	Racks		-	
13.	LPG cylinder and Miscellaneous			

Total Cost: ₹ 7.00 lakhs

Grand Total: A+B: ₹ 15.00 lakhs

Note: The costs are only indicative. The actual cost may vary as per size, location, make of equipment, etc. However, subsidy will be paid on ₹ 15.00 lakhs or the total cost of the project whichever is less.

Proforma for Registration for Spawn Laboratories in Haryana State

A	Profile of the Firm	
1	Name of the Spawn Lab	
2	Whether Registered (please attach certificate of incorporation)	Companies Act/ Co-operatives/Societies/ Proprietorship
3	Name of Owner	
4	TIN of Unit (please attach photocopy)	
5	PAN of Unit/Owner) (please attach photocopy)	
6	Name of Bank with Account No./IFSC Code	
7	Address of unit (please attach documentary proof of land allotment/revenue record)	
8	Correspondence address	
9	Landline No.	
10	Fax No.	
11	Mobile No.	
12	e-mail address	
13	Website address, if any	
14	Year of Establishment	
15	Annual Turn over	Rs.
16	Whether any assistance availed	Amount in Rs. (Yes/No)
17	Amount of assistance	
18	Source of assistance	
19	Date of assistance	

B. Details of the Infrastructure		
a)	Total area of Unit (Square metre)	Area in Square Metre
1	Office Room	
2	Store Room	
3	Boiler Room	
4	Mixture/Bag-bottle filling Room	
5	Autoclave Room	
6	Inoculation Room	
7	Incubation Room	
8	Cold Storage Room	
9	Wash Room	
10	Workers' Room	
11	Sales Room	
12	Transport Vehicle	Yes/No
b) Instruments available		
1	Laminar flow	
a	Size of one Laminar flow	
b	No. of Laminar flow	
2	BOD Incubator (No.)	
3	Fridge (No.)	
4	Air Conditioner Capacity in tons	
5	Generator (Capacity)	
6	Autoclave	
a	No. of Autoclaves	
b	Type of Autoclaves	
c	Total capacity of all Autoclaves	
7	pH Meter	
	Other instruments	Yes/No
	1) Air Curtains	Yes/No
	2) Ozone Generator	Yes/No
	3) Oven	Yes/No
	4) Weighing Balance	Yes/No
	5) UV Tubes (Nos.)	
	6) Any other, pl. specify	
8	Data loggers	
9	Display boards	
10	Packing & tagging facilities	

C Other Information		
1	Technical Experts	
	Name	Qualification/Training obtained/Certificate
	1	
	2	
	3	
	Other Workers (Nos.)	
2	Good Manufacturing Practices	
	1. Lab coat	
	2. Foot Wears	
	3. Gloves	
	4. Caps	
	5. First Aid Box	
	6. Fire Safety Equipments	
3	Raw Materials	
	1. Agar-agar	Yes/No
	2. Glucose	Yes/No
	3. Calcium sulphate	Yes/No
	4. Calcium Carbonate	Yes/No
	5. Malt Extract/PDA	Yes/No
	6. Any other chemical	Yes/No
	7. Grains	Yes/No
	a) Wheat	
	b) Bajra	
	c) Any other	
	8. Poly Propylene Bags	Yes/No
	9. Alcohol/Spirit	Yes/No
	10. Glass-wares	Yes/No
	11. Non-absorbent cotton	Yes/No
	12. PP Rings/Microbial Filter Bags	Yes/No
	13. Butter Papers/Tissue Papers	Yes/No
	14. LPG Cylinder/Burners	Yes/No

D	Detail of Cultures & Spawn	
a)	Information on Strains	
1	Button Mushroom	
	a) Source of Culture/Strains	
	b) Name of Culture/Strains	
	c) Date of Purchase	
2	Oyster Mushroom	
	a) Source of Culture/Strains	
	b) Name of Culture/Strains	
	c) Date of Purchase	
3	Milky Mushroom	
	a) Source of Culture/Strains	
	b) Name of Culture/Strains	
	c) Date of Purchase	
4	Paddy-straw Mushroom	
	a) Source of Culture/Strains	
	b) Name of Culture/Strains	
	c) Date of Purchase	
5	Shitake/Any other Mushroom	
	a) Source of Culture/Strains	
	b) Name of Culture/Strains	
	c) Date of Purchase	
6	Standard format for record-keeping for Culture & Spawn multiplication, maintained	Yes/No
7	Standard format of label available	Yes/No
b)	Spawn Production	
1	Installed capacity per annum (qtls.)	
2	Total Spawn produced (qtls.)	
3	Whether Spawn so produced tested or not.	Yes/No
c)	Any other information one wish to share	

Certified that the above information is true to the best of my knowledge and belief and nothing has been concealed there in.

Date:-

Name & Signature of unit holder
(Stamp)

E Inspection Team Report		
1	The information provided in the Proforma is available or not	Yes/No
	If no, the information no. which is lacking.	
2	Status of hygienic conditions	Excellent/Good/Poor
3	Quality of Spawn on visual assessment	Excellent/Good/Poor
4	Whether spawn is free from contaminants	Yes/No
5	Rating	Tick appropriate
	5 Star	
	4 Star	
	3 Star	
	2 Star	
	1 Star	
	Not recommended	
	Recommendation:	

(Member 1) Name: _____ Signatures: _____

(Member 2) Name: _____ Signatures: _____

(Member 3) Name: _____ Signatures: _____

(Member 4) Name: _____ Signatures: _____

(Member 5) Name: _____ Signatures: _____