



# Gujarat Council of Vocational Training Gandhinagar



1. Name of Course:

Onion Bulb Production And Seed Production  
Technology

N.C.O. No. for Skills Covered:  
(Please refer National Classification of  
Occupations -2004 available  
on www.dget.nic.in)


2. Engineering OR Non-engineering: Non-Engineering

3. No. of students per batch: 16

4. Duration in Hours. : 432 hours

5. Duration in Month: 6 months (18 hours per week)

5. Examination Scheme:

No.	Name of Subject	Teaching Hours during full course.	Maximum Marks. (Excluding Sessional)	Minimum Marks required for Passing (Excluding Sessional).	Sessional Marks if any.
Subject-1	Theory(to be conducted through viva)	210	100	40	-
Subject-2	Practical	222	100	60	-
	Extra Activities	-	-	-	-

7. Entry qualification for Trainee:

Minimum entry qualification (Essential):	Open for all (Illiterate/ Literate)
Desirable:	8th pass

3. Minimum qualification for Trainer:

Minimum qualification (Essential):	Bachelor's degree in agriculture/ITI degree with 2 yrs exp./ person having relevant expertise in this area.
Desirable:	Agriculture expertise.

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3. Syllabus Committee Member:

Sr. No.	Name	Organization	Designation	Technical Qualification	Experience in Years	Signature
1.	Dr.K.J.Srivastava	Ex.Joint Director, NHRF,Nasik	Advisor to Pidilite on Agriculture and Horticulture	PhD	30	
2.	Dr.Y.Trivedi	Horticulture and Agriculture, Pidilite Industries Limited	Scientist	PhD	5	
3.	Dr.P.K.Shukla	Pidilite Industries Limited	Head-Special Projects	PhD	20	
4.	Sayeree Das	Pidilite Industries Limited	Program Executive	PGDRM, IRMA	1.4	
5.	Mr.Ajit Jadav	Pidilite Industries Limited	CSR	BSc.	3	
6.	Mr.Mahendra Singh Gohil	Pidilite Industries Limited	CSR	BSc.	7.5	





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**10. Terminal Skills of trainee:** (Should be well defined and having reference to NCO):

After the training, the trainee will be skilled under the 'Level I' classification according to the NCO-2004 available on [www.det.nic.in](http://www.det.nic.in)

After successful completion of training, the trainee will have following skills,

1. Improved knowledge on soil, climate, land preparation and irrigation required for Onion cultivation.
2. Improved knowledge on pest management, disease management and weed management of onion cultivation
3. Improved knowledge on packing and storage of onion.

11. Approximate cost of Tools  
/ Equipments / Machinery for  
Starting one batch of the course:

Rupees:  
Rs860000/-

Reference Year

12. Area required for practical / Workshop for one batch.

2000 Sq. Meter

13. Minimum Power connection required

10 K.W.

14.1 No of items in Standard list of Machinery:

6

14.1.1. Page NO from 5 to 6.

14.2 No of items in Standard list of Shop outfit:

0

14.2.1. Page NO from     to    .

14.3 No of items in Standard list of Trainee Toll-Kit:

1

14.1.1. Page NO from 5 to 6.



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\*\*\*\*\* FOR OFFICIAL USE \*\*\*\*\*

Approved by GCVT in Governing Body meeting on

: 6.5.2016

Syllabus implemented w.e.f. admission session

: next session

Revision History

:

1. Revision No..... Revision Date.

2. Revision No..... Revision Date.

3. Revision No..... Revision Date.

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Standard List of Machinery - Equipment / Shop-outfit / or Trainee Toolkit  
For Trade of **Onion Bulb Production And Seed Production Technology**

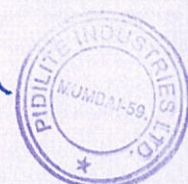
Sr. No.	Description of Item with detailed specifications	Item type i.e. Machinery / Equipment OR Shop Outfit OR Trainee Toolkit	Quantity Required per one Batch of Students	Quantity Required per one Batch of Students for Instructor	Total Quantity Required (Total of previous two columns)
1	Leveller	Machinery		1	1
2	Bund Former	Machinery		1	1
3	Oil Engine 10-15 HP	Machinery		1	1
4	Electric Motor 10HP	Machinery		1	1
5	Tractor 45HP	Machinery		1	1
6	Harvesting Tools	Machinery		1	1
7	Garden Tools (Sickle, Spade, axe etc.)	Trainee Toolkit	2		2

**List of Consumables for the Trade of Onion Bulb Production And Seed Production Technology**

Sl. No.	Consumables
1	Seeds
2	Fertilizers
3	FYM
4	Vermicompost
5	Bio-fertilizers
6	Bio-pesticides
7	Weedicides
8	Fungicides
9	Diesel/Oil
10	Electricity Bill
11	Miscellaneous



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(As many sheets as required should be used to accommodate all items)

## GUJARAT COUNCIL OF VOCATIONAL TRAINING GANDHINAGAR

Name of Syllabus: **Onion Bulb Production And Seed Production Technology**

Sector: Agriculture

Terminal Competency:

Session No.	Theory	Practical
1	Introduction	Demo of the whole process
2	Medicinal properties of onion	
3	Area and production of onion in India	
4	Seasons for onion production	
5	Varieties	
6	Soils and Climate	
7	Nursery raising	
8	Manures and Fertilizers	
9	Land Preparation	
10	Transplanting	
11	Irrigation	
12	Weed Management	
13	Growth Harmones	
14	Diseases and Insect Pests Management	
15	Harvesting	
16	Curing	
17	Sorting Grading And Storage	
18	Packing and Transport.	
19	Marketing and Export	





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20	Selection Of Bulbs For Seed Production	
21	Seed Production Methods	
22	Land Preparation	
23	Planting of bulbs for seed production	
24	Manures and Fertilizers	
25	Irrigation	
26	Isolation Distance and Rouging.	
27	Harvesting ,Threshing and Processing	
28	Seed Cleaning , seed drying ,and seed Treatments	
29	Packing and storage	
30	Marketing	
31	Seed Certification.	
32	Economics of Seed Production	

### Soft Skills Training Sessions

Training on soft skills, communication skills, basic etiquettes and good industry practice for team work would be taken up by the faculty along with the trade sessions at regular intervals and frequency.

Written Examination of the same is not necessary.



