



**Gujarat Council of Vocational Training
Gandhinagar**



4/311
4/291

1. Name of Course :

Aquaculture Processing Operator

Centre :

ITI Bilimora or KVK Bigri

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

8271	8271.10		

2. Engineering OR Non-engineering:
& Course objective.....

Non-engineering
For the flourishing industry of Aquaculture in the region, there is an acute shortage of skilled manpower for Aquaculture processing. The course will cater to the needs of the industry.

3. No. of students per batch

20

4. Duration in hours

92

5. Duration in Month

1 Month @ 23 hours per week.

6. 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	25	As per GCVT syllabus		
Subject-2	Practical	67	As per GCVT syllabus		





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६/३/३

Sl.No.	Theory	Practical
1	<ul style="list-style-type: none">-From where raw material is acquired?-Kind of Raw material (stock)-Unloading of raw material-Raw material's limitation & drawbacks	<ul style="list-style-type: none">- Types of Raw material- Techniques of unloading- Limitations of raw material
2	<ul style="list-style-type: none">-cleaning & weighing of raw material-Precautions taken in analysis of weight	<ul style="list-style-type: none">-cleaning of raw material-Use of chlorine water-Method of removing mud & dirt from the raw material-Detailed inspection of each prawn or shrimp-draining the water and again weighing the raw material-Precaution taken while removal of ice & other things from the raw material
3	<ul style="list-style-type: none">-Prawn classification & identification-Tiger Prawn-White Prawn-Bahana Prawn-Local breed prawn-Precaution taken while classification	<ul style="list-style-type: none">-Breed-wise classification-Size-wise classification-weight-wise classification
4	<ul style="list-style-type: none">-Processing & its precautions	<ul style="list-style-type: none">- Organising the classified raw material according to size.-Organising on the processing table-Headless Processing-PND wes procedure-PUT procedure
5	<ul style="list-style-type: none">-what is washing ?-Methods of washing & precautions-Use of Chlorine-Types of Water	<ul style="list-style-type: none">-Washing practical-draining(removing) the water
6	<ul style="list-style-type: none">-What is frozen procedure & its method- Time & Temperature-Use of frozen gas & its precautions	<ul style="list-style-type: none">-Frozen procedure practical
7	<ul style="list-style-type: none">-Packing & its methods-Temperature & Time duration of storage	<ul style="list-style-type: none">-Organising according to weight & size-Use of corrugated box & polythene bags-Precautions taken in Keeping in Cold storage
8	<ul style="list-style-type: none">What is loading?	<ul style="list-style-type: none">Loading practical
9	<ul style="list-style-type: none">-Type of waste material obtained from Aquacultural Processing Unit & its usage-Packing of waste material-collection of waste material	<ul style="list-style-type: none">-waste material classification & packing
10	<ul style="list-style-type: none">-Precaution taken by Operator.-Identification of different types of gases used-Limitation & usage-Proper use of mask , apron, gum-boots, socks , ice & water etc.-Disaster management	





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7. Entry qualification for Trainee:

Minimum entry qualification (Essential):	7 th pass (min.)
Desirable:	

8. Minimum qualification for Trainer:

Minimum qualification (Essential):	B.Sc. Fisheries / Experienced
Desirable:	

9. Syllabus Committee Member:

Sr. No.	Name	Organization	Designation	Technical Qualification	Experience in Years	Signature
1.	Mr. V.V. Joshi.	I.T.I. Bilimora	Principal (Class C-I)		20	
1.	Mr. Dattu Tandel	Datt Aquaculture Farm Pvt. Ltd	owner	Experience in Aquaculture processing	20	
2.	Shri K.G. Shaikh	District Employment Exchange, Navsari	Employment officer			
3.	Mr. K.M. Chaudhary	P.A.B. Bilimora	Placement Adviser			

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

The trainee, after successful completion of training, will have following skills...	
1	Skill Development
2	Speedy Classification skills
3	Knowledge in Prawn Industries
4	Environmental Awareness
5	Growth in Employment
6	Skilled worker certificate
7	Motivated in Self Employment
(please attach separate sheet, if more space is required)	





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

App. Rs.15 lakh

Reference Year
2012-13

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

1500 sq.ft.....

13. Minimum Power connection required

..... 3-phase.....

14.1 No of items in Standard list of Machinery :

14.1.1. Page NO from ___ to ___

14.2 No of items in Standard list of Shop outfit :

14.2.1. Page NO from ___ to ___

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

14.1.1. Page NO from ___ to ___

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

Approved by GCVT in ~~Governing Body meeting~~ on

19/01/2012

Syllabus implemented w.e.f. admission session

with immediate effect

Revision History :

1. Revision No..... Revision Date.
2. Revision No..... Revision Date.
3. Revision No..... Revision Date.





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1229

Standard List of Machinery - Equipment / Shop-outfit / or Trainee Toolkit
for Trade of Aquaculture Processing Operator

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.	Gum-boots		20	1	21
2.	Apron with cap & mask		20	1	21
3.	Dress		20	1	21
4.	Head-less cutter		20	1	21
5.	Cutting table 25ft X 5 ft stainless steel		2		2
6.	Carrat (with & without net)		20		20
7.	Storage room entry dress (Frozen dress of woollen cloth)		5	1	6
8.	Different types of packing machines		4		4
9.	Washing Tank (Plastic material)		4		4
10.	Weighing machine (limit 100kg)		2		2
11.	Trolley		2		2

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

