



Gujarat Council of Vocational Training

Gandhinagar



1. Name of Course :

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

2. Engineering or Non-engineering: **Engineering**
3. No. of Students per Batch: **10**
4. Duration in Hours: **100 Hours**
5. Duration in Month: **one month/4 Week**
- Practical: **15 hours/Week**
- Theory: **10 hours/Week**

6. Examination Scheme:

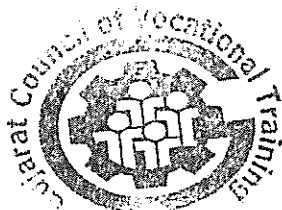
No.	Name of Subject	Teaching Hours during full course	Maximum Marks (Excluding sessional)	Maximum Marks required for Passing (excluding sessional)	Sessional Marks if any
1	Theory	30	50	20	
2	Practical	70	100	60	

7. Entry Qualification for Trainee:

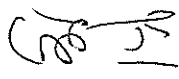
Minimum entry qualification (Essential):	3 rd Passed
Desirable :	8 th Passed

8. Minimum Qualification for Trainer:

Minimum entry qualification (Essential):	Diploma in Mechanical/chemical Engg.
Desirable :	Diploma in Mechanical/chemical Engg.



Kiln Operator


PRINCIPAL
Industrial Training Institute
Braj - Kutch, Code No. 134



Gujarat Council of Vocational Training

Gandhinagar



9. Syllabus Committee Members:

SN	Name	Organization	Designation	Technical Qualification	Experience in Year	Signature
1	D S Tripathi	APL	Sr.Mgr	PGDBA	16	
2	SaurabhJani	APL	Mgr	BE,Diploma	15	
3	MohinBayad	APL	Dy. Mgr	BE Chemical	8	
4	J P Chotai	ITI Bhuj	Principal	DME	32	
5	H S Dharaviya Parmar	ITI Bhuj	Foreman	BE,Mechanical	4	

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

Trainee after successful completion of training, will have following skills...

- Ability to operate Kilan Machine.
- Work With Personal Safety.

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

Rupee

INR 1 Cr

Reference Year

2015

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

100 Sq. Meter

13. Minimum Power connection required:

35 KW

14.1 No. of items in Standard List of Machinery:

1

14.1.1 Page No. From: 4 to 4

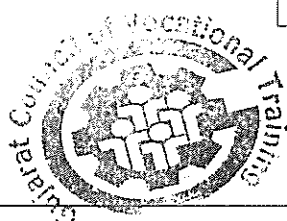
14.2 No. of items in Standard List of Shop outfit:

N/A

14.2.1 Page No. from 4 to 4

14.3 No. of items in Standard List of Trainee Tool-Kit:

3





Gujarat Council of Vocational Training

Gandhinagar



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

Approved by GCVT on :

3-12-2015

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

[Handwritten Signature]

PRINCIPAL
Industrial Training Institute
Gandhinagar, Gandhinagar



Kiln Operator

Page 3 | 5



Gujarat Council of Vocational Training

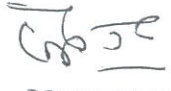
Gandhinagar



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

Sr. No.	Description of Item with detailed specifications	Item type i.e. Machinery / Equipment OR Shop Uptfit 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	Dryer	Equip.	1	0	1
2	Moisture Balance	Toolkit	1	0	1
3	Safety Shoes	Toolkit	10	1	11
4	Safety Halmet	Toolkit	10	1	11

Kilan Operator


PRINCIPAL
Industrial Training Institute
Bhuj - Kutch, Code No. 134





Gujarat Council of Vocational Training

Gandhinagar



Name of Syllabus: Killan Operator

Sector: Mining

Terminal Competency:

The successful candidate should be able to identify drying machine.


The successful candidate should be able to know the process of drying.

The successful candidate should be able to operate and control drying equipment.

The successful candidate should be able to know safety rules and regulations.

Theory	Practical
1. Background of Drying Operation	1) i. Drying Curve demonstration ii. Determination of moisture content
2. Fundamentals of Drying	2) i. Demonstration of rotary vacuum & fluidized bed dryer in industry ii. How to calculate quantity of water removal? iii. Sydy of drying system including pre-drying systems, exhaust gas cleaning product collection iv. study of conveying equipments after drying. 3) Demonstration diff application of drying 4) i. Different fuel used for drying process. ii. Demonstrate temperature measurement of hot air, product & exhaust air. iii. Demonstrate different instrument used in drying system
3. Safety: • Safety awarness • use of safety equipments	5) use of safety equipments 6) first aid.
4. Soft skill • attitude development • discipline • Industrial common rules and regulations • basic english	

Kilan Operator


PRINCIPAL
Industrial Training Institute
Bhop - Kachh, Code No. 134

Page 5 | 5

