



Gujarat Council of Vocational Training

Gandhinagar



1. Name of Course :

Mill Operator

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.



Mill Operator


PRINCIPAL
Industrial Training Institute
Bopal-Kutch, Gandhinagar



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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 Mill.
- Awareness of safety measures.

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

Rupee

INR 1.25 Cr

Reference Year

2015

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

100 Sq. Meter

13. Minimum Power connection required:

300 HP
225 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:

2

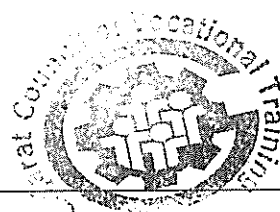
14.2.1 Page No. from 4 to 4

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

2

14.3.1 Page No. from: 4 to 4

Mill_operator





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Approved by GCVT on :

3-12-2015

Syllabus implemented w.e.f admission session

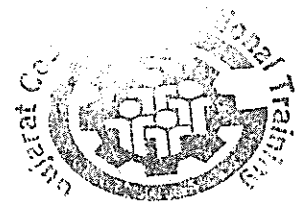
next session

Revision History:

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

(Handwritten Signature)

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Industrial Institute
Gandhinagar, Gandhinagar-382013



Mill Operator



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Standard List for Machinery - Equipment/Shop-outfit / or Trainee Toolkit for Trade of Mill 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	Mill	Equip.	1	0	1
2	Weighing Balance	Shopout kit	1	0	1
3	Test Sieve	Shopout kit	1	1	2
4	Safety Shoes	Toolkit	10	1	11
5	Safety Helmet	Toolkit	10	1	11

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Bhuj - Kutch, Gujarat-370





Gujarat Council of Vocational Training

Gandhinagar



Name of Syllabus: **Mill Operator**

Sector: mining

Terminal Competency:

→ The Successful Candidate Should be able to:-

1. Identify grinding machine
2. Know the process of grinding
3. Able to operate and control grinding equipment
4. Know environment impact of grinding
5. Know safety rules and regulations.

Theory	Practical
1. Background of Grinding Operation	1) Demonstrate need of grinding equipment with examples.
2. Fundamentals of Drying	2) i. Differentiate between open and closed circuit grinding operator by practical demo in plant. ii. Demonstrate why diff. types of grinding equipments are needed.
3. Operation and controls of Grinding equipments	3) Show diff. parts of mill and its function. Show controls requires for continuous milling operation.
4. Sieve Analysis	4) Demonstrate diff. types of Sieves. Calculation of Fineness oversize and undersize
5. Environmental Impact of grinding	5) Demonstrate diff. equipments' operation like bagfiller, cyclones.
6. Study of auxiliary equipments with mill	
7. Safety: <ul style="list-style-type: none">• Safety awareness• use of safety equipments	6) use of safety equipments 7) first aid.
8. Soft skill <ul style="list-style-type: none">• attitude development• discipline• Industrial common rules and regulations• basic english	

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Waj - Gandhinagar, Gandhinagar

Mill Operator

