

CURRICULUM FOR

THE TRADE OF

MATTRESS MANUFACTURING

OPERATOR

UNDER

APPRENTICESHIP TRAINING SCHEME



GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
DIRECTORATE GENERAL OF TRAINING

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1. BACKGROUND

1.1 Apprenticeship Training Scheme under Apprentice Act 1961

The Apprentices Act enacted in 1961 with the objective of regulating the program of training of apprentices in the industry by utilizing the facilities available therein for imparting on-the-job training. The Act makes it obligatory for employers in specified industries to engage apprentices in designated trades and in optional trades to impart Apprenticeship Training on the job in industry to school leavers, graduates/diploma and person having National Trade Certificate (ITI pass-outs) issued by National Council for Vocational Training (NCVT) to develop skilled manpower for the industry. There are five categories of apprentices namely; trade apprentice, graduate, technician, technician (vocational) apprentices and optional trade apprentice.

Qualifications and period of apprenticeship training of trade apprentices and optional trade apprentices vary from trade to trade. The apprenticeship training for trade apprentices and optional trade apprentices consists of basic training followed by practical training. At the end of the training, the apprentices are required to appear in a trade test conducted by NCVT and those successful in the trade tests are awarded the National Apprenticeship Certificate.

1.2 Changes in Industrial Scenario

Recently we have seen huge changes in the Indian industry. The Indian Industry registered an impressive growth during the last decade and half. The number of industries in India have increased manifold in the last fifteen years especially in services and manufacturing sectors. It has been realized that India would become a prosperous and a modern state by raising skill levels, including by engaging a larger proportion of apprentices, will be critical to success; as will stronger collaboration between industry and the trainees to ensure the supply of skilled workforce and drive development through employment. Various initiatives to build up an adequate infrastructure for rapid industrialization and improve the industrial scenario in India have been taken.

1.3 Reformation

The Apprentices Act, 1961 has been amended and brought into effect from 22nd December, 2014 to make it more responsive to industry and youth. Key amendments are as given below:

- Prescription of number of apprentices to be engaged at establishment level instead of trade-wise.

- Establishment can also engage apprentices in optional trades which are not designated, with the discretion of entry level qualification and syllabus.
- Scope has been extended also to non-engineering occupations.
- Establishments have been permitted to outsource basic training in an institute of their choice.
- The burden of compliance on industry has been reduced significantly.

2. RATIONALE

[Need for Apprenticeship in Mattress Manufacturing]

Modern mattresses have an inner core and the upholstery wrapped in a thick fabric. The upholstery layer consists of three parts: the insulator, the middle upholstery, and the quilt. India mattress market is growing on account of rising penetration of organized sector in mattresses segment, demand for good quality mattresses, rising health consciousness, increased income levels and also due to infrastructural development in terms of increased number of residential units and inflating number of hotels in the country. The Indian mattress market is predicted to reach INR 100 billion by 2020. Manufacturing starts from receiving chemicals, foam preparation & curing, block cutting, spring preparation, processing & dispatch of mattresses. At all stages, there is need for trained operators to ensure production of quality mattresses.

Therefore, it is imperative that the operator in mattress manufacturing unit,

- a. Communicates effectively
- b. Follows the rules and regulations to work on shop floor of a production unit
- c. Narrates the safety policy of the company
- d. Maintains health and safety at workplace and
- e. Understands and follow ISO the environmental policy of the company
- f. Identifies the materials used in mattress manufacturing and different types of mattresses
- g. Narrates the process of mattress manufacturing
- h. Understands the SOPs and Working Instructions
- i. Understands MSDS (Material Safety Data Sheet)
- j. Administers First Aid
- k. Wears appropriate PPE
- l. Operates a Fire Extinguisher
- m. Carries-out chemical loading, batch mixing and foaming as per SOP
- n. Carries-out curing as per SOP
- o. Carries-out cutting, sorting and dispatch of blocks to next operation as per SOP
- p. Carries-out peeling operations as per SOP
- q. Carries-out spring unit and core production
- r. Carries-out pasting, quilting and tape edging of mattresses as per SOP
- s. Carries-out identification of mattresses and dispatch
- t. Fills and maintains the documents and records as per SOP

3. JOB ROLES: REFERENCE NCO

Brief description of Job role:

Operator in mattress manufacturing unit is responsible for manufacturing of mattresses as per the standard operating practice, thereby meeting the quality standard and the production targets. He/she can carry out activities from receipt of chemicals to manufacturing of the finished mattresses, under the overall guidance of the reporting functionary.

Operator in mattress Apprentice -

He/she should be able to work in the shop floor of the unit, effectively in a team following the safety, health and environment regulations and conduct and discipline stipulated by the manufacturing unit. He/she should have knowledge about the raw materials, tools, equipment, machinery and processes used in production of mattresses. He/she should understand the standard operating practice, quality norms, productivity norms, working instructions and documentation connected to his role. He/she should be familiar with inspection and quality control aspects, material handling, storage, packing and dispatch of finished mattresses.

Reference NCO: NCO-

4. GENERAL INFORMATION

1. Name of the Trade : **Mattress Manufacturing Operator**
2. Duration of Apprenticeship Training : **15 months**
(Basic Training & Practical Training)
3. Duration of Basic Training : **3 months**
4. Duration of Practical Training : **12 months**
(On-the- job Training)
5. Educational Qualification : Passed 10th class examination
under 10+2 system of education or its
equivalent
6. Rebate in the period of : Nil
Apprenticeship Training
7. Selection of Apprentices : The apprentices will be selected as per
the guidelines specified in the
Apprenticeship Amended time to time.

Note: Industry may impart training as per above time schedule, however this is not fixed. The industry may adjust the duration of training considering the fact that all the component under the syllabus must be covered. However, the flexibility should be given keeping in view that no safety aspect is compromised and duration of industry training to be remain as 1 year

5. COURSESTRUCTURE

Training duration details: -

Time (in months)	3 months	12 months
Basic Training (Block I)	Block- I	-----
Apprenticeship Training (On-the- job training) (Block II)	-----	Block- II

Components of Training ↓	Duration of Training in Months →														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Basic Training (Block I)															
Apprenticeship Training (Block II)															

6. SYLLABUS

BASIC TRAINING – Mattress Manufacturing Operator **BLOCK I**

DURATION: 3 MONTHS

GENERAL INFORMATION

- | | | |
|-----------------------------|---|---|
| 1. Name of Trade | : | Mattress Manufacturing Operator |
| 2. Hours of Instruction | : | 390 Hrs. |
| 3. Batch size | : | 30 |
| 4. Space Norms | : | Lab size 200sq. ft.
Classroom size 300sq. ft. |
| 5. Examination | : | The examination/assessment will be held on completion of each block |
| 6. Instructor Qualification | : | Trainer pre-requisites for Mattress manufacturing Operator |

Minimum Educational Qualifications & Experience	:	Diploma in mechanical Engineering with 5 years' experience in mattress manufacturing OR graduate in Mechanical engineering with 2 years' experience in mattress manufacturing OR graduate with minimum 10 years of experience in mattress manufacturing.
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7. Tools, Equipment & Machinery required : As per Annexure-I

6.1 DETAILED SYLLABUS– Mattress Manufacturing Operator

6.1.1 DETAIL SYLLABUS OF BASIC TRAINING




BLOCK –I

Basic Training

This program is aimed at training candidates for the job of “Mattress Manufacturing Operator”, in the “Manufacturing” Sector/Industry and aims at building the following key competencies amongst the learner.

Basic Training	Mattress Manufacturing Operator
Training Outcomes	<p>After completing this programme, pertaining to mattress manufacturing the participants will be able to:</p> <ol style="list-style-type: none">1. Describe mattress manufacturing Industry in India2. Acquire workplace skills3. Describe safety, health and environment norms4. List different types of mattresses and their structure5. List the materials used and their application6. Describe the manufacturing process7. List the tools, equipment, machinery and their application8. Explain the way of receiving, handling and storage of materials/chemicals9. Describe the Inspection and quality control procedures and equipment used10. Identification, packing and dispatch of finished mattresses

Sr.	Key Learning Outcomes
1.	Mattress manufacturing Industry in India
	<p>The trainee will be able to:</p> <ul style="list-style-type: none">• Explain brief history of mattress manufacturing in India• Describe the growth of mattress manufacturing in India• List the popular companies manufacturing mattresses• Narrate the opportunities in mattress manufacturing sector
2.	Workplace skills
	<p>The trainee will be able to:</p> <ul style="list-style-type: none">• Communicate effectively

	<ul style="list-style-type: none"> • Work effectively in the team • Manage time • Practice work ethics • Explain the importance of cleanliness and hygiene (grooming) • Exhibit leadership qualities • Follow the rules and regulations at workplace • Practice good housekeeping (5S)
3.	<p>Safety, health and environmental</p> <p>The trainee will be able to:</p> <ul style="list-style-type: none"> • Explain the importance of occupational safety and health at workplace • Identify hazards and prevent accidents • Wear personal protective equipment properly • Explain the operation of a fire extinguisher • Explain application of first aid • Narrate safety guidelines • Understand Material Specification Data Sheet (MSDS) • Explain safe handling of chemicals • Explain safe handling/operation of tools, equipment and machinery • Follow the procedures pertaining to environmental protection • Describe the procedure of waste disposal • Follow guidelines for good health • Respond to emergencies examples power failure, fire and system failure • Explain how to act during medical emergencies
4.	<p>Types of mattresses and their structure</p> <ul style="list-style-type: none"> • PU Mattress of different densities • Coir Mattress • Spring Mattress <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>PU Mattress</p> </div> <div style="text-align: center;">  <p>Coir Mattress</p> </div> <div style="text-align: center;">  <p>Spring Mattress</p> </div> </div>
	<p>The trainee will be able to:</p> <ul style="list-style-type: none"> • Identify different types of mattresses • Explain the application of different types of mattresses • List the parts of mattress • Explain the function of parts of mattress

	<ul style="list-style-type: none"> List the standard sizes of mattresses
5.	Materials used in mattress manufacturing
	<p>The trainee will be able to:</p> <ul style="list-style-type: none"> Identify different materials used in mattress manufacturing Explain the properties of each type of material Explain the benefits of each type of material
6.	Mattress manufacturing process
	<p>The trainee will be able to:</p> <ul style="list-style-type: none"> Describe the following: <ul style="list-style-type: none"> Chemical loading in machine Chemical conditioning Recipe preparation Foam making Foam curing Foam block cutting Foam block peeling Spring and core production Pasting of core Quilting Tape-edging SOP
7.	Mattress manufacturing tools, equipment and machinery
	<p>The trainee will be able to identify, explain the application and describe the following tools, equipment and machinery:</p> <ul style="list-style-type: none"> Loading/ unloading Chemical mixing/ batching Foam making Foam curing Block cutting Block peeling Spring core making Glue dispensing Quilting Mattress Assembly Packing Explain SOP pertaining to tools, equipment and machinery
8.	Receiving Materials, Handling and Storage
	<p>The trainee will be able to:</p> <ul style="list-style-type: none"> Explain proper methodology for receiving chemicals Describe safe handling of chemicals Describe proper handling of all materials Explain proper stacking of materials Describe proper storage of each type of material

	<ul style="list-style-type: none"> • Explain SOP pertaining to materials, handling and storage
9.	Inspection and quality control in mattress manufacturing The trainee will be able to explain the inspection process in following: <ul style="list-style-type: none"> • Chemical Preparation • Foam making • Foam curing • Block cutting • Block peeling • Spring core making • Quilting • Mattress Assembly • Packing The trainee will be able to: <ul style="list-style-type: none"> • Describe the basics of inspection and quality control • Explain SOP pertaining to inspection and quality control
10.	Identification, packing and dispatch of mattresses The trainee will be able to: <ul style="list-style-type: none"> • Describe the identification of the product at all stages • Explain marking of product at each stage • Identify the right packing materials • Explain packing as per SOP at all stages of manufacturing • Explain the procedure for dispatching work in progress to the finished goods store • Describe final dispatch of product from the unit

6.1.2 **EMPLOYABILITY SKILLS**

GENERAL INFORMATION

- 1) **Name of the subject** : **EMPLOYABILITY SKILLS**
- 2) **Applicability** : Basic Training- Mandatory for fresher only
- 3) **Hours of Instruction** : **110 Hrs.**
- 4) **Examination** : The internal assessment will be held on completion of the Basic Training.
- 5) **Instructor Qualification** :

i) **MBA/BBA with two years' experience or graduate in commerce with two years' experience.**

And

Must have studied in English and Basic Computer at 12th /diploma level

6.1.2.1 SYLLABUS OF EMPLOYABILITY SKILLS

A. Block – I Employability Skills

Topic No.	Topic	Duration (in hours)
	English Literacy	15
1	Pronunciation : Accentuation (mode of pronunciation) on simple words, Diction (use of word and speech)	
2	Functional Grammar Transformation of sentences, Voice change, Change of tense, Spellings.	
3	Reading Reading and understanding simple sentences about self, work and environment	
4	Writing Construction of simple sentences Writing simple English	
5	Speaking / Spoken English Speaking with preparation on self, on family, on friends/ classmates, on know, picture reading gain confidence through role-playing and discussions on current happening job description, asking about someone's job habitual actions. Cardinal (fundamental) numbers ordinal numbers. Taking messages, passing messages on and filling in message forms Greeting and introductions office hospitality, Resumes or curriculum vita essential parts, letters of application reference to previous communication.	
	I.T. Literacy	15
1	Basics of Computer Introduction, Computer and its applications, Hardware and peripherals, Switching on-Starting and shutting down of computer.	
2	Computer Operating System Basics of Operating System, WINDOWS, The user interface of Windows OS, Create, Copy, Move and delete Files and Folders, Use of External memory like pen drive, CD, DVD etc., Use of Common applications.	
3	Word processing and Worksheet Basic operating of Word Processing, Creating, opening and closing Documents, use of shortcuts, Creating and Editing of Text, Formatting the Text, Insertion & creation of Tables. Printing document.	

	Basics of Excel worksheet, understanding basic commands, creating simple worksheets, understanding sample worksheets, use of simple formulas and functions, Printing of simple excel sheets	
4.	Computer Networking and INTERNET Basic of computer Networks (using real life examples), Definitions of Local Area Network (LAN), Wide Area Network (WAN), Internet, Concept of Internet (Network of Networks), Meaning of World Wide Web (WWW), Web Browser, Web Site, Web page and Search Engines. Accessing the Internet using Web Browser, Downloading and Printing Web Pages, Opening an email account and use of email. Social media sites and its implication. Information Security and antivirus tools, Do's and Don'ts in Information Security, Awareness of IT - ACT, types of cyber-crimes.	
	Communication Skill	25
1	Introduction to Communication Skills Communication and its importance Principles of Effective communication Types of communication - verbal, non-verbal, written, email, talking on phone. Nonverbal communication -characteristics, components-Para-language Body - language Barriers to communication and dealing with barriers. Handling nervousness/ discomfort. Case study/Exercise	
2	Listening Skills Listening-hearing and listening, effective listening, barriers to effective listening guidelines for effective listening. Triple- A Listening - Attitude, Attention & Adjustment. Active Listening Skills.	
3	Motivational Training Characteristics Essential to Achieving Success The Power of Positive Attitude Self-awareness Importance of Commitment Ethics and Values Ways to Motivate Oneself Personal Goal setting and Employability Planning. Case study/Exercise	
4	Facing Interviews Manners, Etiquettes, Dress code for an interview Do's & Don'ts for an interview	
5	Behavioral Skills Organizational Behavior Problem Solving Confidence Building Attitude	

	Decision making Case study/Exercise	
	Entrepreneurship skill	15
1	Concept of Entrepreneurship Entrepreneurship- Entrepreneurship - Enterprises:-Conceptual issue Entrepreneurship vs. Management, Entrepreneurial motivation. Performance & Record, Role & Function of entrepreneurs in relation to the enterprise & relation to the economy, Source of business ideas, Entrepreneurial opportunities, and The process of setting up a business.	
2	Project Preparation & Marketing analysis Qualities of a good Entrepreneur, SWOT and Risk Analysis. Concept & application of Product Life Cycle (PLC), Sales & distribution Management. Different Between Small Scale & Large Scale Business, Market Survey, Method of marketing, Publicity and advertisement, Marketing Mix.	
3	Institutions Support Preparation of Project. Role of Various Schemes and Institutes for self-employment i.e. DIC, SIDA, SISI, NSIC, SIDO, Idea for financing/ non-financing support agencies to familiarizes with the Policies /Programs& procedure & the available scheme.	
4	Investment Procurement Project formation, Feasibility, Legal formalities i.e., Shop Act, Estimation & Costing, Investment procedure - Loan procurement - Banking Processes.	
	Productivity	10
1	Productivity Definition, Necessity, Meaning of GDP.	
2	Affecting Factors Skills, Working Aids, Automation, Environment, Motivation How improves or slows down.	
3	Comparison with developed countries Comparative productivity in developed countries (viz. Germany, Japan and Australia) in selected industries e.g. Manufacturing, Steel, Mining, Construction etc. Living standards of those countries, wages.	
4	Personal Finance Management Banking processes, Handling ATM, KYC registration, safe cash handling, Personal risk and Insurance.	
	Occupational Safety, Health & Environment Education	15
1	Safety & Health Introduction to Occupational Safety and Health importance of safety and health at workplace.	
2	Occupational Hazards Basic Hazards, Chemical Hazards, Vibro-acoustic Hazards, Mechanical Hazards, Electrical Hazards, Thermal Hazards. Occupational health, Occupational hygienic, Occupational Diseases/ Disorders & its prevention.	
3	Accident & safety Basic principles for protective equipment. Accident Prevention techniques - control of accidents and safety measures.	

4	First Aid Care of injured & Sick at the workplaces, First-Aid & Transportation of sick person	
5	Basic Provisions Idea of basic provision of safety, health, welfare under legislation of India.	
6	Ecosystem Introduction to Environment. Relationship between Society and Environment, Ecosystem and Factors causing imbalance.	
7	Pollution Pollution and pollutants including liquid, gaseous, solid and hazardous waste.	
8	Energy Conservation Conservation of Energy, re-use and recycle.	
9	Global warming Global warming, climate change and Ozone layer depletion.	
10	Ground Water Hydrological cycle, ground and surface water, Conservation and Harvesting of water	
11	Environment Right attitude towards environment, Maintenance of in -house environment	
	Labour Welfare Legislation	5
1	Welfare Acts Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act.	
	Quality Tools	10
1	Quality Consciousness : Meaning of quality, Quality Characteristic	
2	Quality Circles : Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for continuation Quality Circles.	
3	Quality Management System : Idea of ISO 9000 and BIS systems and its importance in maintaining qualities.	
4	House Keeping : Purpose of Housekeeping, Practice of good Housekeeping.	
5	Quality Tools Basic quality tools with a few examples	

6.2 APPRENTICESHIP TRAINING (ON-THE-JOB TRAINING)
(BLOCK II)

DURATION: 12 MONTHS

- | | |
|---------------------------------------|---|
| 1. Name of Trade | : Mattress Manufacturing Operator |
| 2. Duration of On-Job Training | : 12Months |
| 3. Entry Qualification | : Passed 10 th class examination under 10+2 system
of education or its equivalent |
| 4. Examination | : NCVT exam will be conducted at the end of
Apprenticeship Training |
| 5. Selection of Apprentices | : The apprentices will be selected as per the guidelines
specified in the Apprentices Amended time to time |

6.2.1 BROAD SKILL COMPONENT TO BE COVERED DURING ON- THE- JOB TRAINING

DURATION 12 MONTHS (52 WEEKS)	
SL.NO	LIST OF PRACTICAL SKILLS TO BE COVERED DURING ON JOB TRAINING
1	<ul style="list-style-type: none">• Orientation to the manufacturing unit (OJT site)• Trip around the unit to identify various departments, facilities• Safety Training• Emergency response drill• Application of first aid• Operation of Fire Extinguisher• Wearing of PPC• 5S practice• ISO training• Following environmental guidelines
2	Receipt of chemicals <ul style="list-style-type: none">• Checking of documents• Incoming Inspection• Entry in register• Organizing Fixing of spark arrestor• Issue of driver and cleaner cards
3	Chemical Handling <ul style="list-style-type: none">• Chemical unloading• Chemical conditioning• Batch mixing
4	Foaming <ul style="list-style-type: none">• Machine Setting• Foaming• Machine Cleaning
5	Curing <ul style="list-style-type: none">• Curing• Long block storage
6	Block Cutting <ul style="list-style-type: none">• Indent material and packing material as per order from production• planning and control• Cutting blocks into sheets• Sorting• Hot stamping• Laser Checking• Inspecting, Identifying, Packing and transferring bundles to finished goods store
7	Block Peeling <ul style="list-style-type: none">• Indent material and packing material as per order from production• planning and control• Side trimming and pasting

	<ul style="list-style-type: none"> • Peeling of blocks • Inspecting, Identifying, packing and transferring rolls to finished goods store
8	Mattress Making <ul style="list-style-type: none"> • Indent material and packing material as per order from production • Cutting of blocks into sheets • Spring unit and core production • Pasting of core • Quilting • Tape edging • Inspection, Identifying, packing and transferring rolls to finished goods store
9	Dispatch <ul style="list-style-type: none"> • Organizing stacking of bundles • Organizing loading in vehicle • Generating documents • Guiding the vehicle to billing section

7. ASSESSMENT STANDARD

7.1 Assessment Guideline:

Appropriate arrangements should be made to ensure that there will be no artificial barriers to assessment. The nature of special needs should be taken in to account while undertaking assessment. Due consideration to be given while assessing for teamwork, avoidance/reduction of scrape/wastage and disposal of scarp/wastage as per procedure, behavioral attitude and regularity in training.

The following marking pattern to be adopted while assessing:

a) Weightage in the range of 60-75% to be allotted during assessment under following performance level:

For this grade, the candidate with occasional guidance and showing due regard for safety procedures and practices, has produced work which demonstrates attainment of an acceptable standard of craftsmanship.

In this work there is evidence of:

- Good skill levels in the use of hand tools, machine tools and workshop equipment
- Many tolerances while undertaking different work are in line with those demanded by the component/job
- A fairly good level of neatness and consistency in the finish
- Occasional support in completing the project/job

b) Weightage in the range of above 75%-90% to be allotted during assessment under following performance level:

For this grade, the candidate, with little guidance and showing due regard for safety procedures and practices, has produced work which demonstrates attainment of areas on able standard of craftsmanship.

In this work, there is evidence of:

- Good skill levels in the use of hand tools, machine tools and workshop equipment
- The majority of tolerances while undertaking different work are in line with those demanded by the component/job.
- A good level of neatness and consistency in the finish
- Little support in completing the project/job

c) Weightage in the range of above 90% to be allotted during assessment under following performance level:

For performance in this grade, the candidate, with minimal or no supporting organization and execution and with due regard for safety procedures and practices, have produced work which demonstrates attainment of a high standard of craftsmanship.

In this work, there is evidence of:

- High skill levels in the use of hand tools, machine tools and workshop equipment
- Tolerances while undertaking different work being substantially in line with those demanded by the component/job.
- A high level of neatness and consistency in the finish.
- Minimal or no support in completing the project


8. FURTHER LEARNING PATHWAYS

On successful completion of this course and gaining few years' experience in this role can take up courses for

- Mattress manufacturing supervisor
- Quality Inspector
- Maintenance Supervisor
- Self – employment (Mattress Outlet)

ANNEXURE – 1

Tools & Equipment for Basic Training

Equipment Name	Minimum Number of Equipment required (per batch of 30 trainees)	Unit Type	Is this a mandatory Equipment to be available at the Training Center (Yes/No)	Dimension/Specification/ Description of the Equipment
PPE	1 set	Set	Yes	Standard
Fire Extinguisher (Dummy)	1	Nos	Yes	Standard
Foam Samples	1 set	Nos	Yes	
Sample parts of a mattress	1set	Set	Yes	NA
Mattress types and construction chart	1	Nos	Yes	NA
Chemical Safety Chart	1	Nos	Yes	NA

Process Charts	10	Nos	Yes	NA
Tools and equipment charts	5	Nos	Yes	NA
Machinery Charts	5	Nos	Yes	NA
Inspection and quality equipment chart	5	Nos	Yes	NA

ANNEXURE – II

Tools & Equipment for On-the-Job Training

Equipment Name	Minimum Number of Equipment required (per batch of 30 trainees)	Unit Type	Is this a mandatory Equipment to be available at the Training Center (Yes/No)	Dimension/Specification/Description of the Equipment
PPE	30	Sets	Yes	As existing at the OJT unit
Fire Extinguisher	1	Nos	Yes	As existing at the OJT unit
Chemical Unloading Equipment	1	Nos	Yes	As existing at the OJT unit
Chemical conditioning	1	Nos	Yes	As existing at the OJT unit
Foaming Facility	1	Nos	Yes	As existing at the OJT unit
Curing Facility	1	Nos	Yes	As existing at the OJT unit
Block Cutting equipment and machinery	1	Nos	Yes	As existing at the OJT unit
Block peeling equipment and machinery	1	Nos	Yes	As existing at the OJT unit
Spring and core making equipment	1	Nos	Yes	As existing at the OJT unit
Pasting equipment	1	Nos	Yes	As existing at the OJT unit
Mattress making equipment and machinery	1	Nos	Yes	As existing at the OJT unit
Inspection and quality control equipment	1	Nos	Yes	As existing at the OJT unit

ANNEXURE III

INFRASTRUCTURE FOR APPRENTICESHIP TRAINING

TRADE: MATTRESS MANUFACTURING OPERATOR

For a Batch of 30 APPRENTICES

Actual training will depend on the existing facilities available in the establishments. However, the industry should ensure that the broad skills defined Apprenticeship Training part (i.e. 12 months) are imparted.

ANNEXURE IV

GUIDELINES FOR INSTRUCTORS AND PAPER SETTERS

Due care to be taken for proper & inclusive training delivery in the batch.

1. Some of the following method of delivery may be adopted:
 - a. LECTURE
 - b. LESSON
 - c. DEMONSTRATION
 - d. PRACTICAL
 - e. DISCUSSION WITH PEER GROUP
 - f. PROJECT WORK
 - g. STORE VISIT
2. Maximum utilization of latest form of training viz., audio visual aids, integration of IT, etc. may be adopted.
3. The total hours to be devoted against each topic may be decided with due diligence to safety & with prioritizing transfer of required skills.