

Syllabus

For the trade of

HOSPITAL WASTE MANAGEMENT ASSISTANT

Under ATS

**DESIGNED IN
2010**

by

Government of India

Ministry of Labour & Employment (D.G.E.&T.)

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

EN – Block, Sector – V, Salt Lake,
Kolkata-700091.

List of members attended the Trade Committee Meeting for designing the course curriculum Under Apprenticeship Training Scheme on **Hospital Waste Management Assistant** held on 05/04/2010 At Conference Hall, Rajkot Engineering Association, Rajkot.

Shri S.D. Lahiri, Director, C.S.T.A.R.I., Kolkata

Sr.No.	Name and Designation.	Organization.	
01	Shri V.G.Mavani. M.D. & Chairman	Trumax Machine Tools, Rajkot. And Chairman, IMC of ITI Rajkot.	Chairman.
02	Dr.S.J.Rathi, Asst. Professor,	Department of Community Medicine,SBKS Medical Institute & Research Centre, Pipaliya,Di.Vadodara	Member
03	Dr.Niraj Pandit. Associate Professor	Department of Community Medicine, SBKS Medical Institute & Research Centre, Pipaliya,Di.Vadodara.	Member
04	Shri N.K.Bhadradia. Sanitary Inspector	C.U.Shah Medical Colledge,Surendranagar	Member
05	Shri V.H.Rana. Principal	Gujarat Training Centre Vadhavan, Di. Surendranagar.	Member
06	Shri Bhavin N.Rathod. Director,	Gujarat Training Centre Vadhavan, Di. Surendranagar.	Member
07	Shri Pankaj M.Yadav. Consultant	Gujarat Training Centre Vadhavan, Di. Surendranagar.	Member
08	Dr.H.M.Jam. Sr. Medical Officer	S.M.O. Uraban, Vadhavan.	Member
09	Dr.Meera D.Ghoricha. Dental Surgen	Swami Gurukul Hospital, Rajkot.	Member
10	Shri S.S.Lakhani. Health Inspector	C.U.Shah Medical College, Surendranagar	Member
11	Shri M.K.Parmar.	MSW.caritas India,Surendranagar.	Member
12	Shri S.A.Pandav. Regional Deputy Director	Regional Office (Training),Rajkot.	Member
13	Shri P.R.Prajapati Training cum Placement Officer	Regional Office (Training),Rajkot.	Member
14	Shri L.K.Mukheree. Deputy Director	C.S.T.A.R.I., Kolkata.	Member

General Information.

1. Name of the Trade :- Hospital Waste Management Assistant
2. N.C.O. Code No. :- 3222.10
3. Entry qualification :- :- 10 +2 Class Passed in any Stream.
4. Duration of Craftsman Training :- Six month
5. Duration of Apprenticeship Training :- One year.
6. Rebate to Ex- ITI Trainees : - Six month for ITI/ITC passed out trainees in the trade of **HOSPITAL WASTE MANAGEMENT**
7. Ratio of Apprentice to Workers : 1 : 4

Syllabus for the Trade of **“Hospital Waste Management Assistant ”**
under Apprenticeship Training Scheme (ATS).

Duration of Training : One Year

First six month : - During first six month the apprentices will undergo the Same syllabus of Hospital Waste Management Assistant under CTS.

Next six month : - The apprentice will undergo shop floor training in the related Establishment /Industry as per the under mentioned syllabus

SL NO	PRACTICAL
1	Instruction in safety precaution as applicable to the trade. Awareness of environmental pollution, occupational health hazards, its causes, consequences, mitigation and remedies. Health impacts of bio chemical waste.
2	Practice on disease epidemiology. Vaccination and prevention of various diseases
3	Waste survey in hospital practice on categorization of hospital waste
4	Practice on segregation, Polly bags collection, bin, autoclaving, labeling. Use, care and maintenance of autoclave, Incinerator, Microwave Hydro pulping. Plasma Touch.
5	Practice on collection and handling of waste. Pretreatment.
6	Demonstration on hazards of various chemicals use in hospital Pathological, Microbiological and radiological waste.
7	Infection control system in hospital. Visit to ideal waste management site.
8	Record keeping and various form to be submitted to the government and waste auditing.
9	Practice on digging, vats, Pits, Trenches. Practice on composting, Vermi composting
10	Demonstration in recycling.
11	Demonstration on pretreatment of linen, Laundry. Central sterilization
12	Mechanical treatment and chemical disinfections store and off site transportation.
13	Liquid waste treatment using different technologies. Conventional treatment technologies. Alternative treatment technologies, Microwave, Rota clave, Hydro clave, ETP, Electron beam technology.

14	Occupational health programmers and safety practices
15	Preparation of paper for legal proceeding.
16	Estimate of various items of waste management based on No. of wards, No. of beds in each ward,

RELATED INSTRUCTION.

- 1 Study of Science of food, Introduction to Nutrition, Health and Disease. Knowledge on environment pollution, occupational health hazards related to the trade.
- 2 Family assessment-Clinical examination, Balanced diet, Nutrition education.
- 3 Definition of environmental sanitation, various uses of water and its need. Water borne diseases, conservation source of water.
- 4 Basic information about health and disease..
- 5 Health care delivery system in country.
- 6 Policies and law regarding environment
- 7 International scenario “WHO’s” guidelines
- 8 Infection control system in hospital.
- 9 Basic steps in health care waste management
- 10 Collection and handling of waste on steeper treatment of waste,
- 11 Mechanical treatment and chemical disinfection store and off-site transportation.
- 12 Treatment in-site and off site, Liquid waste treatment.
- 13 Conventional treatment technologies
- 14 Treatment of general/ Non infectious waste.
- 15 Disposal technologies
- 16 Waste minimization, Recycling and Reuse
- 17 Health and safety practice
- 18 Estimate of various items of waste management based on no. of wards, No. of beds in each ward, other units like laboratory, Kitchen-waste audit.
- 19 Hospital budget allocation for hospital waste management.