





# Market-Driven Skilling Initiatives for Employment and Linkage with National Vocational Qualification Framework

MAW Skills Academy
MAW Earthmovers Pvt. Ltd.

Peer-to-Peer Learning Series

**10 December 2020** 







In Collaboration with















### **The Partnership**

### In Association with:







### A Joint Initiative of:





Transnational Platform of Centres of Vocational Excellence for the Manufacturing Sector

















## **Skilling Approach**



- Investment model: Co-investment from Ukaid Skills for Employment Programme सीप
- Industry-led Skills Academy: JCB brand and ensuring industry collaboration for demand-driven training, successful placements and certification
- Fee based training: 100% fees contribution from individual trainees or sponsorship

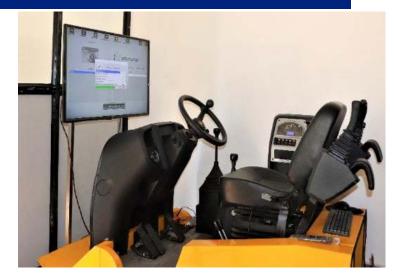






## **Training Delivery**

- Theory Sessions: Imparting knowledge to the trainees, on facts, concepts or principles, attitudes, theories, problem solving abilities, soft skills
- **Simulator Based Training:** The training demonstration to make training effective and enhance training delivery
- Practical Training: Imparting hands-on practical training on driving and general maintenance skills to the trainees for excavators and backhoe loaders to enhance their employability
- On-The-Job Training (Mechanics): Real work and learning at the heavy equipment/construction industries











## Industry aligned curriculum adapted to CTEVT

- JCB Content: JCB expert designed and industry aligned curriculum
- Competency Based CTEVT Curriculum: The curricula is adapted with CTEVT Competency Based Curriculum
- **Soft Skills:** Life skills (Communication, Self-Management, Safeguarding, Work Ethics, entrepreneurship skills, etc.)
- Traffic Rules and Signals/Signs: Collaboration with traffic police and sessions are delivered by traffic police on traffic rules, traffic signs and license trial information











### Industry aligned curriculum adapted to CTEVT - Curriculum

### **Curriculum contents**

1. Introduction

11. Trainees & Trainers Ratio

2. Objectives

12. Trainer's Qualification

3. Course Description

13. Training Methods

4. Course Structure

14. Training Materials

5. Training Duration

15. Trainees Evaluation

6. Target Group

16. Course Evaluation

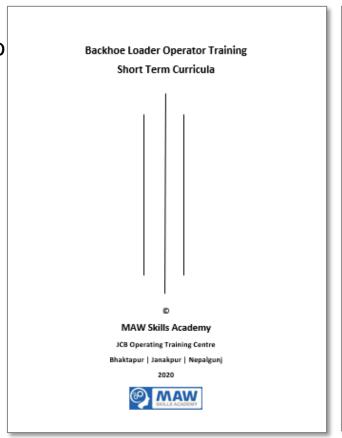
7. Number of Trainees

17. Certification

8. Training Language

9. Training Attendance

10. Entrance Criteria



#### Task Analysis:

Task 1: Use of Safety Jackets and working Dress.

5. N	Steps	Terminal Performance Objectives	Related Technical Knowledge			
1.	Choosing Safety Jacket, Working dress for your size.	equipment	*Occupational health care information *Machine operating safety related information			
2.	Check condition	*Shandard:  *Should be able to choose appropriate working dress from given dress.	Telated Information			
3.	Wearing Dress	*Inspect the condition of chosen dress to make sure that all the				
4.	Apply all Buttons, chains Correctly	tag button, zips are correct.  *After inspection, the dress was applied correctly with all the buttons, zips.				

Tools, Equipment & Materials: Different sizes of safety jackets and working dress. Safety and Precaution.

#### Task 2: Wearing Safety Helmet

5. N	Steps	Terminal Performance Objectives	Related Technical Knowledge		
1.	Choosing Safety Helmets for your size.	Given: Safety clothing and equipment	*Occupational health care information		
2.		Task: Wear safety Helmet	*Machine operating safety		
	Check condition of chosen Safety	Standard: *Should be able to choose appropriate Safety	related information		
3.	Helmets.	Helmet from given. *Inspect the condition of chosen Helmet to			
	Wearing Safety Helmets	make sure that all the tie Cables are correct.  *After inspection, the Helmet was applied correctly with all the Tie cables.			
4.	Apply Tie Cables Correctly	,			

Tools, Equipment and Materials: Different sizes of safety Helmets.

Safety and Precautions







## **Industry aligned curriculum adapted to CTEVT - Course Structure**

S. N	Module/Sub-Module	Nature	Theory (Hrs)	Practical (Hrs)	Total (Hrs)
1.	Introduction of Backhoe Loader	T+P	1	1	2
2.	Obeying Safety Measures	T+P	2	4	6
3.	Inspection of Machine				
	Sub-module 3.1 Daily Machine Inspection	T+P	2	10	12
	Sub-module 3.2 Machine Inspection After Engine Start	T+P	2	9	11
4.	Operating BHL	T+P			
	Sub-module 4.1 Operating Loader	T+P	3	45	48
	Sub-module 4.2 Operating Excavator	T+P	3	45	48
5.	Transporting of Machine	T+P	1	3	4
6.	General Maintenance of Machine	T+P	2	11	13
7.	Life Skills	T+P			
	Sub-module 7.1 Self-Management	Т	3		3
	Sub-module 7.2 Safeguarding (SEAH)	Т	3		3
	Sub-module 7.3 Communication Skills	Т	6		6
	Sub-Module 7.4. Professional Development	T+P	3	3	6
8.	Entrepreneurship Development	T+P	8	20	28
T=The	ory/P=Practical	T+P	37	153	190







### Industry aligned curriculum adapted to CTEVT - OP Structure

- Occupation Title:
- Sector:
- Sub Sector:
- Level:
- Job Roles:
- Worker traits:
- Entry Requirements:
- Examination Requirement:
- Recommended Group Size:
- Duration/Time:
- Related Technical Knowledge:
- Tools and Equipment:
- Career Path:



### Example of Job Role/Duty: Inspect Worksite

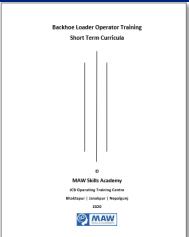
A1. Apply Personal		A2. Mark Worksite		A3. Indentify Potential			A4. Place Safety Symbol				
Protective Equipment						Site Hazards					
Task rating				Task rating		Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	3	3	2	1	3	3	1	3	2	2
A5. Perform Reporting											_
Task rating											
Importance	Difficulty	Frequency									
3	1	3									





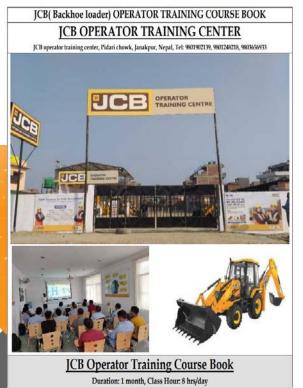


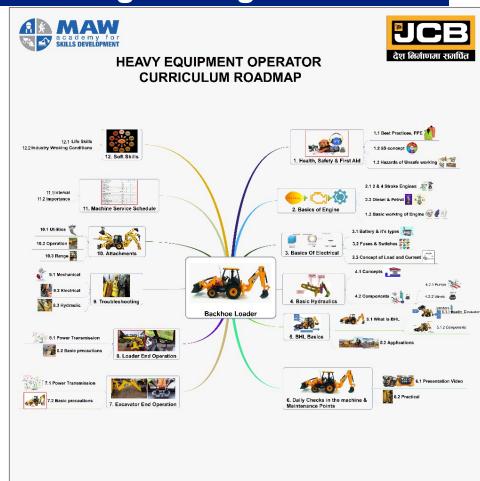
## Industry aligned curriculum adapted to CTEVT: Training Package

















### Industry aligned curriculum adapted to CTEVT – OP/NOSS L 1

- OP/NOSS of NSTB: Contents are aligned with OP/NOSS developed by NSTB/NVQF
- Synergy with NSTB-NVQS: Drafted MOU among NSTB-NVQS, MEPL and UKaid SEP for piloting in development functional analysis mapping, development of competency standard on Heavy Equipment trade linking with NVQF – Under discussion
- **Skill Test from NSTB:** Interested graduates can apply for skill test on Heavy Equipment trade of Level 1 from NSTB

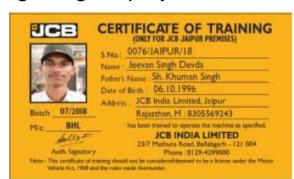






### **Evaluation & Certification**

- Regular observation by Trainers
- **Three** internal evaluation on each module and **one** final evaluation (both theory and practical)
- Trainee must obtain 40% and 60% in theory and practical in each module respectively
- Trainees are provided with International JCB Certificate and the MAW Skills Academy Certificate based on result of final evaluation
- It is pre-condition for the graduates to have **driving license** from Transport Management Office/Government of Nepal for getting employment.











### **Industry Collaboration–Industrial Advisory Committee**

MAW Skills Academy has formed an Industrial Advisory Committee; not only for the job placement of our graduates but also for:

- Placing our students for On-the-Job Training (OJT) and Apprenticeship Training
- Creating awareness of the skills in demand and new and emerging job roles
- Developing training labs, sharing knowledge, conducting training of trainers, industry visit of trainers, helping in creating curriculum as per job role and assessment of trainees



Chairperson

Vice President (Finance) - MAW

Group and CEO - MAW

Earhmovers



Chiranjibi Shah - Member

CEO - Yamaha



Engineering



Raunak Agarwal - Member

Executive Director - Skoda



CEO- MAW Skills Academy

### FOR ADDITIONAL INFORMATION ON MAW SKILLS ACADEMY ACTIVITIES







### **Thank You**

For more information:

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**MAW Skills Academy** 

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