Time .	<u>Lesson Plan</u> OHSE - HAZARD IDENTIFICATION AND RISK ASSESSMENT						
	1	Princ	ciple. Follare the principles of hazard identification and risk				
	assessment •						
		a	Identification of Hazards	1			
	<ol> <li>Deciding Who Might Be Harmed and How</li> </ol>						
		c	Evaluation of <b>R</b> isk	ļ			
		đ	Record the Findings				
:		ė.	Review the Risk Assessment	į			
į	2	Cons	sequence and Severity of Hazard. Once all hazards				
•	аге	identılı	ied, the consequences/ severity (i.e. harm which could	ļ			
	pas	sibly ac	cour in term of personal injury or ill-health or material losses).	i i			
	shal	l be id	dentified and recorded in Hazard Identification and Risk				
	Ass	essmen	nt Form	!			

Severity/ Consequences	Rating	Rating Severity/ Impact of incident				
Catastrophic	5	Permanent disability, death, loss of more people & materials (amputation, blindness, lung cancer)				
Major	4	Hospitalization and medical treatment for longer period of time (Fractures, burns, mental ill-nearth)				
Mccerate	3	Hospitalization or sick leave over three days (certain fevers, Musculoskeleial Disorder( MSD), certain injuries)				
Minor	2	Medical care given in any hospital cutdoor (Dermatilis, Allergic Asthma, minor injuries, eyes redness, etc.)				

<u>Time</u>	<u>Lesson Plan</u>				
			Near Miss. First aid only where no		
	Negliaible	i 1   ' ' '	medical attention is required (Eye		
İ	Negligible		wash, abrasion or slight burn to		
	İ		palm or upper skin)		

3. <u>Assessing Hazard by Probability</u>. Extent to which an event is likely to occur and how often will a certain hazard lead to an incident?

Likelihood Rating		Description	Frequency
A!most cedain	5	Almost certain (certain in most of the cases, Equipment aging, presence of any hazardous material which has greater chance to get out of control e.g. toxic or fammable gases/ liquid, violations.	Likely to occur more than once per year in the organization
Likely	     	Likely (certain unsafe conditions and acts poor control or commitment which can result in any unwanted event, e.g. slippery surface or working without PPE.)	Likely to occur approximately once per year in the organization
Possible	3	Possible (can occur under some situations it has occurred in workshop before once in every 5 years.)	Likely to occur approximately once every 5 years
Unlikely	2	Unlikely (Not expected to occur, rarely occur, once in 5 to 10 years, good controls are in place)  Rare (Likely to occur with	Likely to occur  approximately  once every five  to 10 years  Likely to occur
i Rare	1	less frequency than once every 10 years Exceptional circumstances only)	with less frequency than once every ten years

Risk = Probability/ Likelihood x Saverity / Consequence

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- 5 <u>Risk Evaluation</u>. Risk evaluation of any hazard which is identified can be carried out by taking few actions. Those actions along with the seventy of hazard is as follows:
  - a Extreme risk is highly unacceptable, stop work, immediate action required to mitigate the risk (elimination, substitution, engineering control measures, close supervision is required).
  - In high risk improvement is required in specified time (intervention either through elimination, engineering or management action).
  - Medium risk is to look for further improvement to prevent even minor risk.
  - Acceptable risk level, regular review is required.
- Risk Control

  Measures for the management of risk should areflect the principle of eliminating hazards where practicable, followed in a turn by hisk reduction with the adoption of personnel protective equipment as a last resort. This shall be applicable to all existing and further control measures required to minimize the risk level.

<u>Time</u>		Lesson Plan	Trg Aid
	7. <u>Hie</u>	rarchy of Control. Control can be done as:-	·
	a.	Elimination	į .
	D	Substitution	
ļ	c	Engineering confrols	
!	đ	Administrative controls	!
i	€.	Personal protective equipment	
	f.	Management action for risk control	
	g	Action plan for recommended control measures	į l
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