Safety their 5 rolls :-

1) EDUCATION
2) ENGINEERING
3) ENFORCEMENT
4) ENTHUSIASM
5) EVALUATION

★ PPE → Personal protective equipment.
★ RPE → Respiratory protective equipment.

Accidents के 4 reasons ÷

i) MAN → Insaan कि गलती, लापरवाही, Training नही।

ii) MACHINE → Machine खराब, Guard नही।

iii) MATERIAL → गलत Material, Chemical Leak, Material को चेक करना QC का काम होता है।

iv) METHOD → गलत तरीका, बिना permit के काम

PPE vs RPE

↳ personal protective equipment.

• Body ko बचाने वाला सामान → Helmet, Safety shoes, Hand gloves, Belt, Googles.

RPE → साँस बचाने वाला सामान → Dust mask, Gas mask, SCBA set.

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=> SCBA : It is a probably safety device that supplies clean, breathable air to workers and firefighters in hazardous or oxygen-deficient environments.

In Hindi → यह एक portable सुरक्षा उपकरण है। जो खतरनाक या oxygen कि कमी वाले माहौल मे काम करने वाले और अगीशन workers को साँस लेने लायक साफ़ हवा पहुंचता है।

safety officers ke 5 tools

i> EDUCATION → Training dena → workers को tool Box talk देनाा, PPE देना ↓ training

ii> ENGINEERING → Machine safe बनाना → Guard लगाना, safety interlock

iii> ENFORCEMENT → RULe folloW करवाना → बिना Helmet के Entry बंदें।

iv> ENTHUSIAM → Interest जगाना → safety poster, reward denen.

v> EVALUATION → CHECK करना → safety audit, report

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SAFETY करने के 3 कारण है।
provide

There is a three reason to provide safety at work place.

i) LEGAL ii) MORAL iii) FINANCIAL

i) LEGAL REASONS:-

★ following Laws → Governments set Mandatory Safety rules that organization must obey.

- सरकार ने जरूरी सुरक्षा नियम बनाए है। जिनका संगठन को पालना करना होगा।

★ Avoiding penalties → Breaking safety laws leads to heavy fines, Lawsuits, or criminal charges for company leaders.

- सुरक्षा नियमों का गंभीर उल्लंघन करने पर company के अधिकारीयों पर भारी जुर्माना लग सकता है। उन पर मुकदमे हो सकते है।

ii) MORAL (HUMANITARIAN) REASONS:

★ Protecting Lives → Employers have an ethical duty to ensure workers return home safe and healthy every day.

- Employers का यह नैतिक कर्तव्य है कि वे सुनिश्चित करें कि कर्मचारी हर दिन

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★ Reducing suffering → Preventing injuries stops the physical pain, emotional stress, and hardship for workers, and their families.

→ चोटों को रोकने से श्रमिकों और उनके परिवारों को होने वाले शारीरिक दर्द, मानसिक तनाव और कठिनाइयों से बचाया जा सकता है।

iii) FINANCIAL REASONS ⇒

★ Reducing costs → Preventing accidents saves money, on workers, compensation, Medical bills, and equipments repairs.

– दुर्घटनाओ को रोकने से, कर्मचारियों के मुआवजे, Medical bill और उपकरणों की मरम्मत पर होने वाले खर्च कि बचत होती हैं।

COMMITTEE → There are two types of Committee.

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⋙ ARMS of SAFETY ↦

i) Boost productivity with safe performance.

ii) To reduce death permanent disability or occupational disease.

iii) Production quantity and quality with performance.

~~AMPUTATION~~ → To cut of limb or organ* शरीर से किसी अंग का अलग हो जाना ।

i) सुरक्षा तरिके से काम करने उत्पादन बढ़ाना ।

ii) मौत कम होना और काम की वजह से होने वाले बिमारी को काम करना ।

iii) सुरक्षीत काम करके उत्पादन (Product) की ... और quality को बनाए रखना ।

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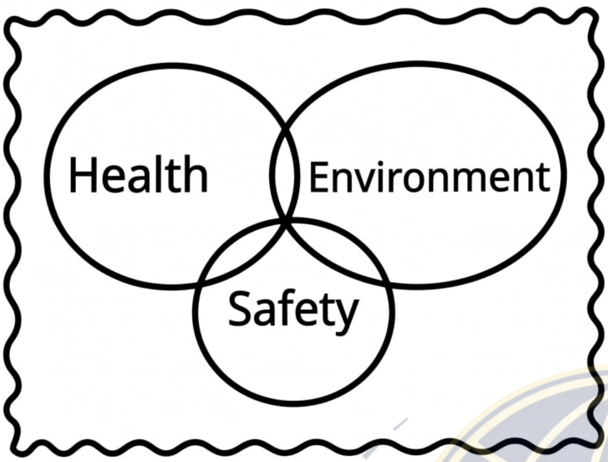
★ Safety == OHS == HSE

OHS → occupational Health and safety

HSE → Health Safety and Environment.



ILO → International Labour organization.

I.L.O. & W.H.O. (1950)

★ To protect Workers against health hazard.

★ To assure adequate Medical care and rehabilitation to the occupationally injured.

★ To encourage personal health maintenance.

1) Workers को स्वास्थ्य संबंधी खतरों से बचाने के लिए।

2) काम के दौरान घायल हुए लोगो को उचित चिकित्सा देखभाल और पुनर्वास सुनिश्चित करना...

3) व्यक्तिगत देखभाल को बढ़ावा देने के लिए।

Adequate → उचित

occupationally → व्यवसायिक

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* HAZARD → Hazard is a potential condition waiting to be converted into unwanted event accident.

* Hazard is an anything that might cause harm such as electricity , work at height and noise.

ex→ ElectricK shock, electric iron, Electric burn, (death by electric current)
(1.8m or 6 feet / 1.2m or 4feet)

#{FALL PROTECTION SYSTEM}→ अंचाई से गिरने से बचना

→ A F.P.S is a combination of equipment, devices, & procedures designed to prevent workers from falling from heights or safely catch them if a all occurs.

i) Guardrail system → Top rail → 42" ± 3" लगाना है
Mid rail → 21" ± 3" " "
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ii) full body harness.

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HAZARD
खतरा

Ex. open wire. like, Tex Machine, tripe chemical etc.

Accident
दुर्घटना

जब खतरे के कारण किसी व्यक्ति को चोट या नुकसान हो जाता है।

Near-Miss
करीबी घटना

* जब खतरा बहुत करीब आकर भी किसी को नुकसान नहीं पहुंचाता।

Material dangerous occurrence.
सामग्री में खतरनाक घटना

* जब खतरे के कारण Machine, उपकरण या सामग्री को नुकसान हो जाता है।

+ figure Means (step by step)

➢ HAZARD → काम कि जगह पर मौजूद वह स्थिति/वस्तु/कारक जो नुकसान का कारण बन सकता है।

* मुख्य बात

HAZARD → Accident / Near-miss / Material damage
(यह तिनो एक हि खतरे से हो सकते है।

INDUSTRY → Industry means a business or organization involved in producing or manufacturing goods.
{ उद्योग }

* INDUSTRY का मतलब ऐसी जगह है व्यवसाय है। जहां वस्तुओं का उत्पादन

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Ice Factory, Steel Plant, Cement Factory etc.

2) INDUSTRIAL SAFETY {औद्योगिक सुरक्षा}

→ The methods and pratices used to prevent ~~accidents~~ and reduce hazards in an industry.

→ I.S. का मतलब उद्योग में HAZARD और Accident को रोकने तथा जोखीम को कम करने के तरीके हैं।

<u>simple</u>

SAFETY = Accident को रोकना + HAZARD को control करना

3) {INDUSTRIAL SAFETY MANAGEMENT - ISM}

→ The branch of Management concerned with identifying, controlling & Eliminating HAZARDS in an industry.

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simple formula :

MANAGEMENT (प्रबंधन)

Management is the process of Plan, organizing, staffing, directing, participating, controlling resource to achieve organizational goals.

→ Management का मतलब planning, organizing, staffing, directing, controlling, के द्वारा संस्था के लक्ष्य को पूरा करना है।

EASY याद रखें:

Management = Plan → organize → Direct → control → Goal achieve

SAFETY - MEANINGS BY LETTERS

* S → Serious {गंभीरता}

→ serious about safety ~~rules~~ and ~~Methods~~ at work.

→ काम के दौरान safety ~~rules~~ और Safe methods को गंभीरता से follow करना।

* A → Alertness {सतर्कता}

→ Be alert during hazardous work.

→ Hazardous / ~~Dangerous~~ काम करते समय पूरी

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F→FAMILIAR {परिचित/जानकार}

⇒ Be familiar and competent with the job

→ जिस काम को कर रहे है |, पुराने, procedure Hazards, और safety precautions की जानकारी होना |

★ E→EXACT {सही/सटीक}

⇒ Perform the job correctly & Exactly.

→ काम को सही तरीके और दिए गए procedure के अनुसार करना |

★ T→ Training {प्रशिक्षण}

⇒ Get proper training before doing the job.

→ काम शुरू करने से पहले proper training लेना और जरुरत पड़ने पर दुसरो को training देना |

★ Y→ yourself {स्वयं}

⇒ Improve and protect yourself.

→ अपनी safety का ध्यान रखना | अपनी knowledge और skills को Improve करते रहना |

#

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Safety their 5 rolls÷

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Accidents के 4 reasons ÷

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PPE VS RPE

↳ personal protective equipment.

• Body Ko बचाने वाला सामान → Helmet, Safety shoes, Hand gloves, Belt, Googles.

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Safety officers ke 5 tools

i) EDUCATION → [Training dena] → workers को tool Box talk dena, PPE + training देना।

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SAFETY provide करने के 3 कारण है।

- There is a three reason to provide Safety at work place.

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i) LEGAL REASONS:->

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iii> सुरक्षित काम करके उत्पादन (Product) की

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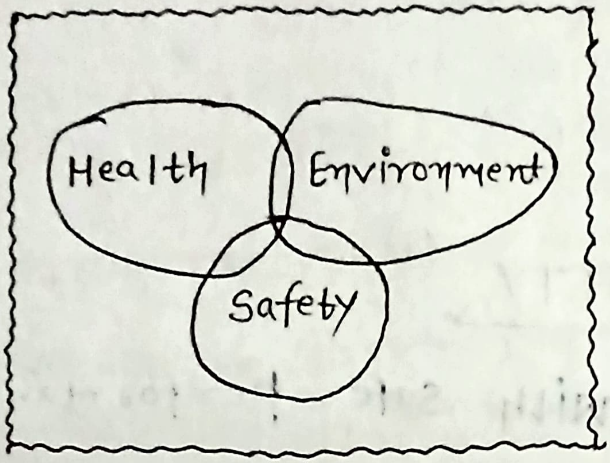

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HAZARD
खतरा

Ex→ open wire, fisian, Tez Machine, Height, chemical etc.

Accident
दुर्घटना

जब खतरे के कारण किसी व्यक्ति को चोट या नुकसान हो जाता है।

Near-Miss
करीबी घटना

* जब खतरा बहुत करीब आकर भी किसी को नुकसान नही पहुँचाता।

Material dangerous occurence.
सामग्री मे खतरनाक घटना।

* जब खतरे के कारण Machine, उपकरण या सामग्री को नुकसान हो जाता है।

figure Means (step by step)

→ HAZARD → काम कि जगह पर मौजुद वह स्थिती / वस्तु / कारक जो नुकसान का कारण बन सकता है।

मुख्य बात

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(यह तीनो एक ही खतरे से हो सकते है)

INDUSTRY → Industry Means a business or organization involved in producing or Manufacturing goods.
{ उद्योग }

· Industry का मतलब ऐसी जगह / है

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Ex→ factory, Steel plant, cement factory etc.

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→ Mangement का मतलब planning, organizing, staffing, directing, controlling के द्वारा संस्था के लक्ष्य को पूरा करना है।

EASY याद रखें:

Management = PLan → organize → Direct → control → Goal achieve

SAFETY - MEANINGS BY LETTERS

★ S → Serious {गंभीरता}

⇒ serious about safety rules and Methods at work.

→ काम के दौरान safety rules और Safe Methods को गंभिरता से follow करना।

★ A → ALertness {सतर्कता}

⇒ Be alert during hazardous work.

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★ F → FAMILIAR {परिचीत / जानकार}

⇒ Be familiar and competent with the Job.

→ जिस काम को कर रहे हैं। उसके procedure, Hazards, और safety precautions की जानकारी होना।

★ E → EXACT {सहि / सटीक}

⇒ Perform the Job correctly & Exactly.

→ काम को सहि तरीके और दिए गए procedure के अनुसार करना।

★ T → Training {प्रशिक्षण}

⇒ Get proper training before doing the Job.

→ काम शुरु करने से पहले proper training लेना और जरुरत पड़ने पर दुसरो को training देना।

★ Y → yourself {स्वयं}

⇒ Improve and protect yourself.

→ अपनी safety का ध्यान रखना। अपनी अपनी knowledge और skills को Improve करते रहना।

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