



# **SAFETY POSTER**

**PROTECT YOUR LIFE WITH PROTECTOR**

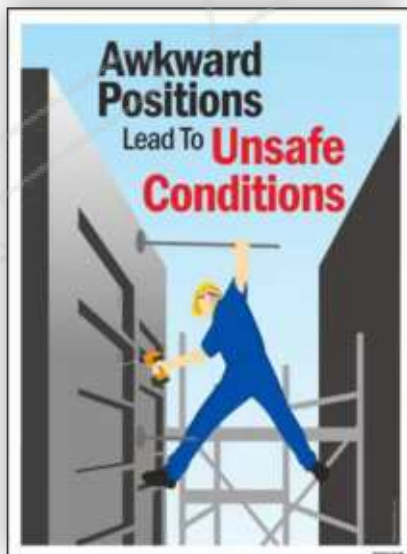
**PART- 2**

**2025**

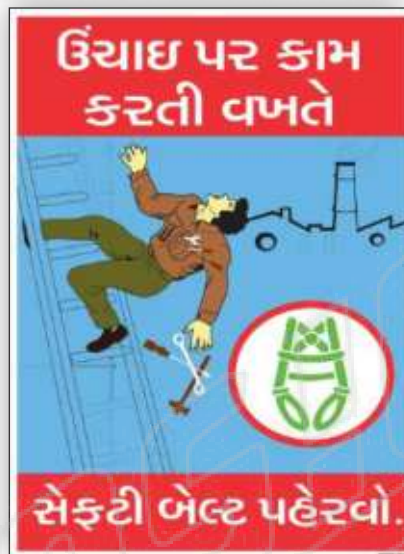
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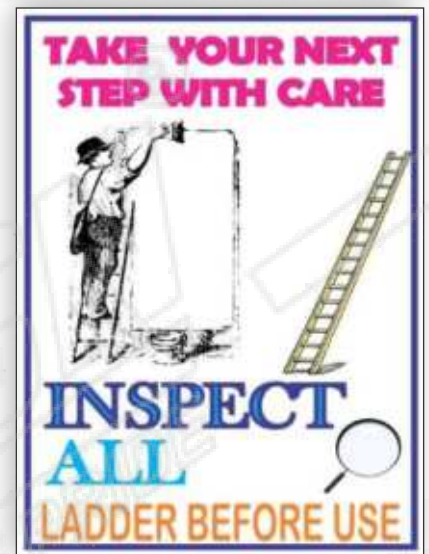
## FALL PROTECTION POSTERS



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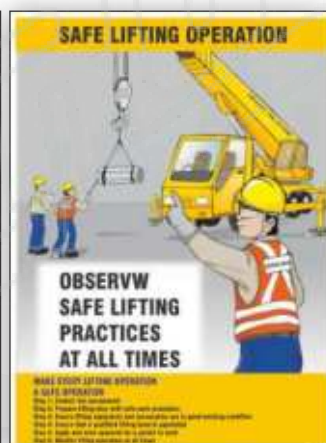
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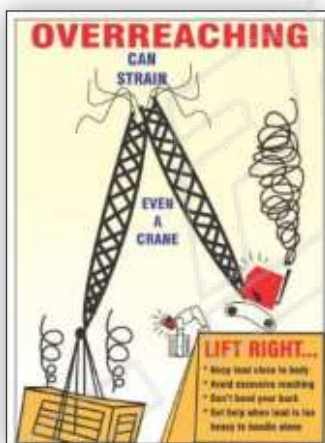
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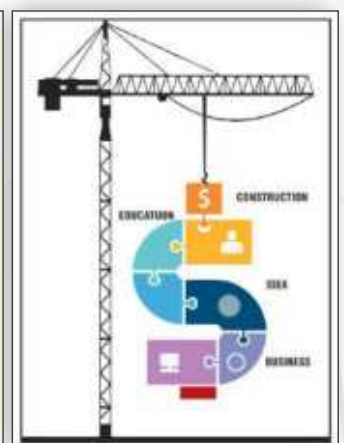
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## FALL PROTECTION POSTERS



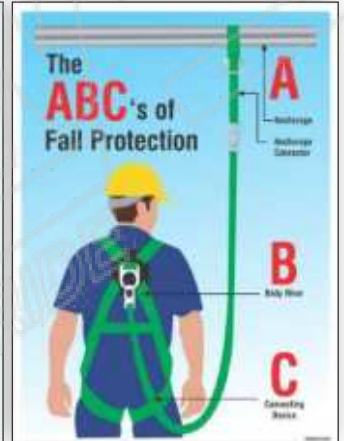
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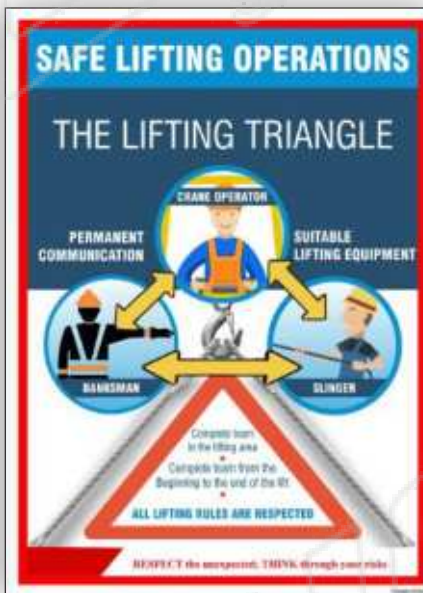
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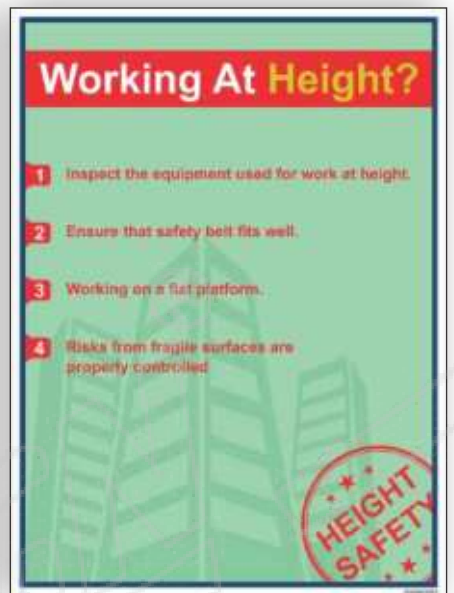
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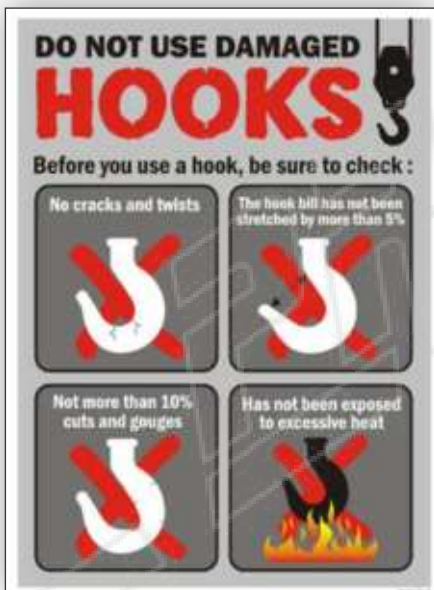
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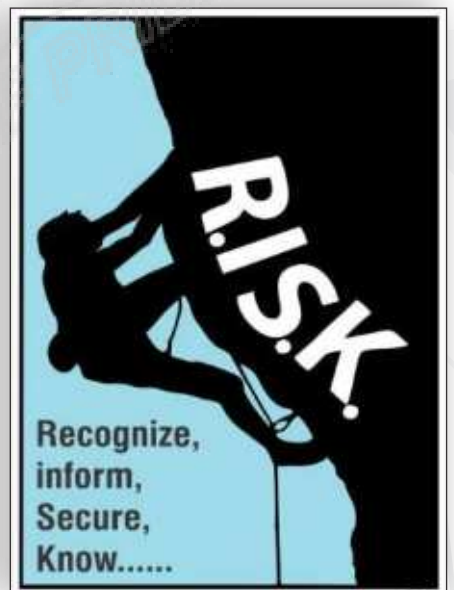
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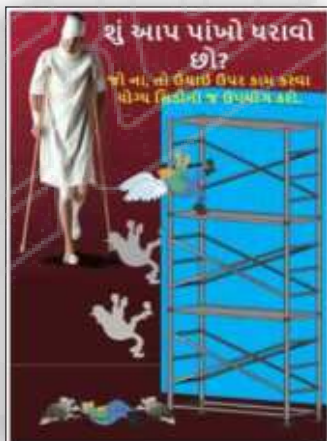
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# FIRE SAFETY POSTERS



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# FIRE SAFETY POSTERS

**आग रोकने के उपाय**

**सावधानियाँ**

- कार्यालय से जाते समय एसी, पंखे, कम्प्यूटर्स, आदि विद्युत उपकरणों को बंद कर दें।
- यदि अत्यंत आवश्यक हो तो ही केबिन को लोक करें और ड्यूटीकेट चाबी अग्नि नियंत्रण कक्ष को दे दें।
- कार्यालय परिसर में धूम्रपान न करें।
- हमेशा साफ-सफाई बनाए रखें।
- संकट के समय बाहर निकलने के रास्ते या सीढ़ियों को अवरुद्ध न करें।

**आग लगने पर**

- ईमरकाम नंबर 3052 & 3053 या 079-27583052 & 079-27583053 पर सूचित करें या निकटतम फायर अलार्म बॉक्स (Manual Call Point) के कॉच को तोड़ दें।
- सहायता आने तक अपने फ्लोर पर रखे गए अग्निशामक पत्र से आग बुझाने की कोशिश करें।
- अपने फ्लोरमार्शल से मार्गदर्शन लें, फ्लोरमार्शल कहें तो तुरंत स्थान खाली कर दें।
- अगर अपना स्थान छोड़ने के अनुरोध मिलें तो तत्काल अपनी मजिल छोड़कर सीढ़ियों से नीचे आ जाए, लिफ्ट का प्रयोग न करें।
- भवन के बाहर, पहले से निर्धारित एसेम्बली स्थान पर अपने फ्लोरमार्शल को रिपोर्ट करें।
- भागदौड़ न करें, घबराए नहीं और निजी सामान लेने के लिए न रुकें।

**IN CASE OF FIRE / EMERGENCY DIAL**  
FIRE : 101, Central Fire Station Durgamcherry over 079-22148466-68,  
Ambulance : 108, POLICE : 100

PSP425

**HOW TO USE DIFFERENT TYPE OF FIRE EXTINGUISHER**

**HOW TO OPERATE CLEAN AGENT TYPE FIRE EXTINGUISHER**  
सिलेन प्रोपेलर अग्निशामक उपकरण का उपयोग करने का तरीका  
STORED PRESSURE TYPE 3 NO.

**HOW TO OPERATE CARBON DIOXIDE TYPE FIRE EXTINGUISHER**  
कार्बनडाइऑक्साइड (CO2) अग्निशामक उपकरण का उपयोग करने का तरीका

**HOW TO OPERATE "ABC" TYPE FIRE EXTINGUISHER**  
"एबीसी" अग्निशामक उपकरण का उपयोग करने का तरीका

**HOW TO USE DCP FIRE EXTINGUISHER**  
ड्रूय केमिकल पावडर अग्निशामक उपकरण का उपयोग करने का तरीका

PSP447

Fire Extinguisher Chart						
Extinguisher		Type of Fire				
Color	Type	Solids (Wood, Paper, Cloth, etc.)	Flammable Liquids	Flammable Gases	Electrical Equipment	Cooking oils & Fats
	ABC TYPE	Yes	Yes	Yes	Yes	No
	Foam 'AB Type'	Yes	Yes	No	No	Yes
	Dry Chemical Powder (DCP) 'BC Type'	No	Yes	Yes	Yes	No
	Carbon Dioxide (CO2) 'BC Type'	No	Yes	Yes	Yes	Yes

PSP088

**Fire action**  
If you discover or suspect a fire

- 1** Sound the alarm by operating the nearest fire alarm call point
- 2** Dial \_\_\_\_\_ to call the fire brigade
- 3** If possible tackle the fire with the appropriate fire fighting equipment. Do not endanger yourself or others in doing so
- 4** Leave the building by the nearest available exit
- 5** Close all doors and windows to contain the smoke and fire
- 6** Report to person in charge of Assembly point at: \_\_\_\_\_
- 7** Do not take risk. Do not stop to collect personal belongings. Do not use lifts. Do not re-enter the building for any reason unless authorised to do so

PFS094

**⚠ DANGER**

**DO NOT ENTER. AUTHORISED PERSONNEL ONLY.**

प्रवेश न करें। केवल अधिकृत कर्मचारियों के लिए

PSP512

**PASS सिस्टम जल्दी**

पिन खींचें।  
भाईप को आगनी भाइर पर लावें।  
भाईप भुझीने हेन्डल को दबावें।  
भाइर को खोजा पर लावें।

PSP468

**Know The "PASS" System**

**P** PULL THE PIN.  
**A** AIM AT THE BASE OF THE FIRE.  
**S** SQUEEZE THE TRIGGER.  
**S** SWEEP SIDE TO SIDE.

PSP055

**BE AWARE KNOW WHERE**

**FIRE ALARM**

**FIRE EXIT**

PSP252



# FIRE SAFETY POSTERS



FIRE FACTS YOU MUST KNOW					
Type of Extinguisher	Class	Cause of Fire	Hazards Areas	Extinguishing Methods	Warning
Water CO2	A	Due to burning of organic solids e.g. Wood, Paper Cloth etc.	Offices, Shops, Theaters, Banks, Restaurant etc.	Penetrates & cools even deep seated 'A' Class Fires.	Do not use on live electrical equipments.
Mechanical Foam	B	Due to burning of inflammable liquids.	Petrol storage depots manufacturing units of paints, inflammable liquids.	Forms a thick foam blanket over the burning liquids, cut off oxygen supply.	Do not use on live electrical equipments.
Dry Chemical Powder (DCP)	B & C	Due to burning of inflammable liquids & gases.	Storage of LPG, acetylene, Petrol, Industrial solvent & electrical equipment.	Chemically interferes with combustion chain.	Do not use in very confined spaces as cloud of powder reduces visibility.
ABC Powder	A & B & C	Due to burning of organic solids, inflammable liquids & gases.	Hand hazard areas like open storages, generator rooms, heat treatment shop.	Chemically interferes with combustion chain.	Do not use in very confined spaces as cloud of powder reduces visibility.
Carbon Dioxide (CO2)	B & C	Due to burning of inflammable liquids, gases & electrical hazards.	Motor pump rooms, laboratories, museums and process control areas.	Aim at the base of fire from close range. CO2 being heavier settles below air & cuts off oxygen supply.	CO2 can cause asphyxiation in a confined space. ventilate area after extinguishing fire.

PSP114

### LIFE SAVINGS RULES

जीवन रक्षक नियम

जीवन रक्षक नियम

Smoking is strictly prohibited in all areas.

No open flames or candles are allowed.

No hot liquids or steam are allowed near flammable materials.

No obstruction of fire exits and escape routes.

No tampering with fire alarm systems and equipment.

PSP514

### What To Do if Your Clothes Catch Fire

- STOP**  
Stop where you are
- DROP**  
Drop To The Ground
- ROLL**  
Cover your face with hands, and roll over and over until the fire is out.

PSP268

### क्या करें अगर आपके कपड़े आग पकड़ते हैं

- रुकें**  
आग जहाँ से चली जाये
- गिर जाओ**  
जमीन पर गिर जाओ
- घुमीई**  
आपने चेहरे को हाथों से ढके, और अपने शरीर को रोल करके आग बुझाने कि कोशिश कीजिए

PSP089

### SAFETY FIRST...

सुनिश्चित कर लें आग बुझाने के उपकरण तक पहुंच सुलभ है...

... और आवश्यकता पड़ने पर वे प्रयोगशील हैं।

PSP093



# FIRE SAFETY POSTERS



PSP080



PSP218



PSP219



PSP937



PSP606



PSP839



PSP882



PSP883



PSP938



## **FIRE ORDER** **IN CASE OF FIRE**

- A) ALERT THE SECURITY AT SECURITY ROOM BY ACTUATING MANUAL CALL POINT LOCATED AT STRATEGIC LOCATION,**
- B) EVACUATE THE OCCUPANTS BY USING THE STAIR CASE ONLY AND ASSEMBLE AT GATHERING POINT, (DO NOT USE VRC)**
- C) BE CALM AND DO NOT GIVE ANY ROOM FOR PANIC, WALK, DO NOT RUN.**
- D) IF YOU ENCOUNTER SERIOUS DIFFICULTY IN EVACUATION, STAY IN YOUR PLACE AND TRY TO ATTRACT ATTENTION OF RESCUE TEAM**

## **ACTION BY SECURITY**

**UPON RECEIPT OF INFORMATION THROUGH FIRE ALARM OR FIRE DETECTOR OR SPRINKLERS OR BY ANY OTHER SAFETY MEANS,**

- A) ALERT THE OCCUPANTS BY USING PUBLIC ADDRESS SYSTEM,**
- B) INFORM FIRE CONTROL THROUGH ANY ONE OF THE FOLLOWING PHONE No. : 101/27905931 (HOSAKOTE FIRE STATION)**
- C) GUIDE THE FIRE FORCE ON THEIR ARRIVAL TO THE SEAT OF FIRE**
- D) IN CASE OF CASUALTIES, CALL AMBULANCE BY DIALING NUMBER : 102**

PROSIGN-PSP421

PSP421



PSP337



PFS156



PSP448



# FIRE SAFETY POSTERS



PSP447



PSP039



PSP024



PSP469



PSP470





# FIRE SAFETY POSTERS

SELECT THE SUITABLE TYPE OF FIRE EXTINGUISHER					Your Logo		
अग्निशामक यंत्र का सही उपयोग कीजिए							
TYPE OF FIRE EXTINGUISHER	अग्निशामक यंत्र के प्रकार	WATER CO. पानी ( कार्बन डाइऑक्साइड )	MECHANICAL FOAM फॉमिक झाग	DRY CHEMICAL POWDER सूखा रासायनिक पावडर	ABC DRY CHEMICAL POWDER एबीसी, सूखा रासायनिक पावडर	CARBON DIOXIDE कार्बन डाइऑक्साइड	CLEAN AGENT/FM-200 (Hexafluoropropane) क्लीन डेजेंट / एफ-एम-200
CAPACITY & IS SPECIFICATION		9 Ltrs. - 15683 50 Ltrs. - 13385 150 Ltrs. - 13385	9 Ltrs. - 16683 50 Ltrs. - 13385 150 Ltrs. - 13385	4 Kg. - 15683 8 Kg. - 15683 9 Kg. - 15683 25/50/75 Kg. - 18658	1 Kg. - 15683 2 Kg. - 15683 4 Kg. - 15683 6 Kg. - 15683 8 Kg. - 15683	2 Kg. - 15683 3 Kg. - 15683 4.5 Kg. - 15683 6.5 Kg. - 2878 9 Kg. - 2878 32.9 Kg. - 2878	1 Kg. - 15683 2 Kg. - 15683 4 Kg. - 15683 6 Kg. - 15683 9 Kg. - 15683
METHOD OF OPERATION	प्रयोग करने का तरीका						
EXTINGUISHING AGENT	PRINCIPLE OF EXTINGUISHING	WATER COOLING	FOAM BLANKETING	DRY CHEMICAL POWDER BLANKETING	ABC POWDER BLANKETING	CARBON DIOXIDE GAS BLANKETING	hexafluoropropane Fm 200 Gas Blanketing
Class of Fire	Suitable in Fire Involving अग्नि के लिए उपयुक्त है।						
A	Paper, Wood, Clothes, Plastics etc. केसर, लकड़ी, कपड़ा, प्लास्टिक, ( सहज ) अग्नि को जलाने के लिए उपयुक्त है।	✓ SUITABLE सही	✓ SUITABLE सही	✗ UNSUITABLE गलत	✓ SUITABLE सही	✗ UNSUITABLE गलत	✓ SUITABLE सही
B	Petrol, Oil, Paints, Thinners, Sprites etc. पेट्रोल, तेल, रंग, थिनर, स्प्रेटर, अग्नि को जलाने के लिए उपयुक्त है।	✗ UNSUITABLE गलत	✓ SUITABLE सही	✓ SUITABLE सही	✓ SUITABLE सही	✓ SUITABLE सही	✓ SUITABLE सही
C	Flammable Gases & Electrical Fire etc. ज्वलनशील गैसों और बिजली के अग्नि को जलाने के लिए उपयुक्त है।	✗ UNSUITABLE गलत	✗ UNSUITABLE गलत	✓ SUITABLE सही	✓ SUITABLE सही	✓ SUITABLE सही	✓ SUITABLE सही
D	Magnesium, Sodium, Potassium etc. मैग्नेशियम, सोडियम, पोटैशियम, अग्नि को जलाने के लिए उपयुक्त है।	✗ UNSUITABLE गलत	✗ UNSUITABLE गलत	✓ SUITABLE सही	✗ UNSUITABLE गलत	✗ UNSUITABLE गलत	✗ UNSUITABLE गलत
	Electricity & Electrical Appliances बिजली के उपकरणों के लिए उपयुक्त है।	✗ UNSUITABLE गलत	✗ UNSUITABLE गलत	✓ SUITABLE सही	✓ SUITABLE सही	✓ SUITABLE सही	✓ SUITABLE सही

PSP555



PSP567



PSP568



PSP569



PSP580

Note:- You can also customize the design and layout to match your brand's aesthetics





PSP090

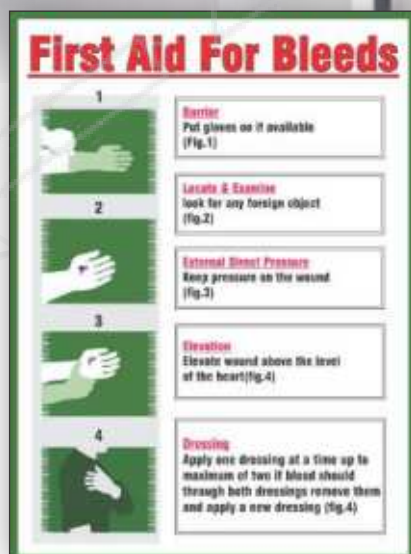


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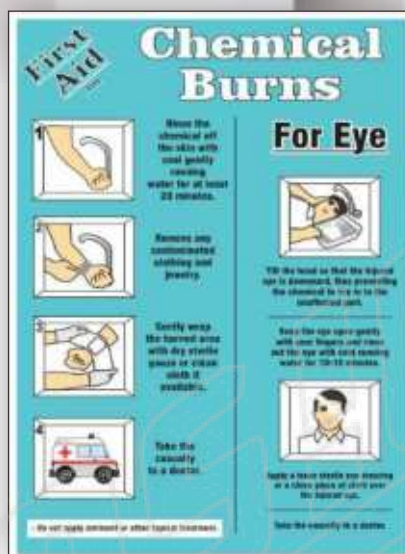


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PSP012



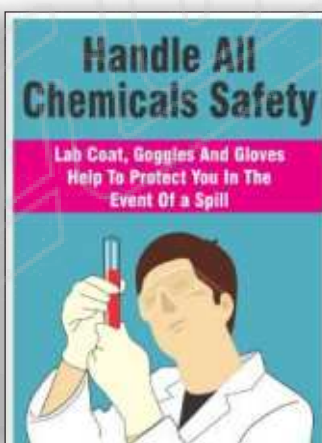
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PSP890



PSP061



PSP228



PSP223



PSP411









## FIRST AID



**You Could  
Be First  
On The  
Scene...**

**Would You Know  
What To Do?**

### RESUSCITATION

**1 Danger**  
Check for Danger to You, the casualty, and the scene.

**2 Response**  
Tap & Shout.  
Response: Verbal, Physical, or No Response.

**3 Send For Help**  
Call for help. Send for help. Send for help.

**4 Airway**  
Open Airway.  
If blocked, tilt head back. If still blocked, use airway adjunct.

**5 Breathing**  
Check for Breathing.  
If not breathing, give rescue breaths.

**6 CPR**  
If not breathing, start CPR. 30 compressions to 2 breaths.

**7 Defibrillation**  
Check for a pulse. If no pulse, start CPR. If a pulse is found, stop CPR.

PSP321

### Basic Life Support Chart

**D**ANGER: Ensure the area is safe for yourself, others, and the patient.

**R**ESPONSE: Check for response and vital signs. If no response, shout for help.

**S**END HELP: Call for an ambulance or send someone to call for help.

**A**IRWAY: Open mouth of casualty. If blocked, use airway adjunct.

**B**REATHING: Check for breathing. If not breathing, give rescue breaths.

**C**PR: Start CPR. 30 chest compressions to 2 breaths.

**D**EFIBRILLATION: Apply defibrillator if available and follow voice prompts.

PSP216

### CPR FOR ADULTS (AGED 18 AND OVER)

**1** Check for Danger: Ensure the area is safe for yourself, others, and the patient.

**2** Check for Response: Tap & shout. If no response, shout for help.

**3** Open Airway: Tilt head back. If blocked, use airway adjunct.

**4** Check for Breathing: Look, listen, and feel for breathing. If not breathing, give rescue breaths.

**5** Start CPR: 30 chest compressions to 2 breaths.

**6** Defibrillation: Apply defibrillator if available and follow voice prompts.

PSP531

### First Aid Managing Bleeds

**BLEED**

**1** Stop the Bleed: Apply direct pressure to the wound.

**2** Elevate the Limb: Elevate the limb above the level of the heart.

**3** Apply Pressure: Apply pressure to the wound.

**4** Cover the Wound: Cover the wound with a sterile dressing.

**5** Seek Medical Help: Seek medical help if the bleed does not stop.

PSP637

### FIRST AID FOR ARC EYE

'Arc welding' can cause a painful condition known as 'ARC EYE' or 'WELDING FLASH'.

**SIGN & SYMPTOMS:**

- 1. Pain in the eyes.
- 2. Redness and swelling.
- 3. Light and dark spots.
- 4. Pain when you open your eyes.
- 5. Temporary blindness.

**TREATMENT:**

- 1. Rinse the eyes.
- 2. Remove contact lenses.
- 3. Apply cold compresses.
- 4. Do not rub the eyes.
- 5. Seek medical help if the pain does not go away within 24 hours.

**WELDING ARC EYE PROTECTION REQUIRED**

PSP281

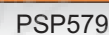
### हमारे ग्राहकों और कर्मचारियों की सुरक्षा के लिए

**बुखार** **कफ** **सांस लेने में कठिनाई**

यदि आपको बुखार है, या हाल ही में कभी बुखार, कफ, या सांस लेने में कठिनाई हो तो कृपया प्रवेश न करें

PSP763









PSP766



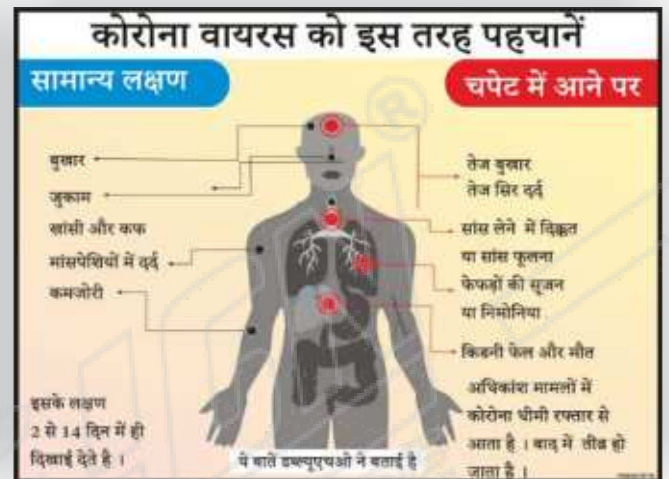
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PSP769



PSP761



PSP762



PSP764



PSP765



## Be PREPARED



KEEP THE  
FIRST AID KIT  
STOCKED  
AND HANDY

## FIRST AID IS BETTER THAN LAST!



PSP321



PSP216



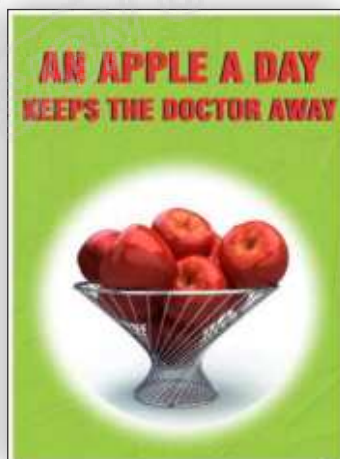
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# WORK SAFETY POSTERS



PSP116



PSP117



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PSP116



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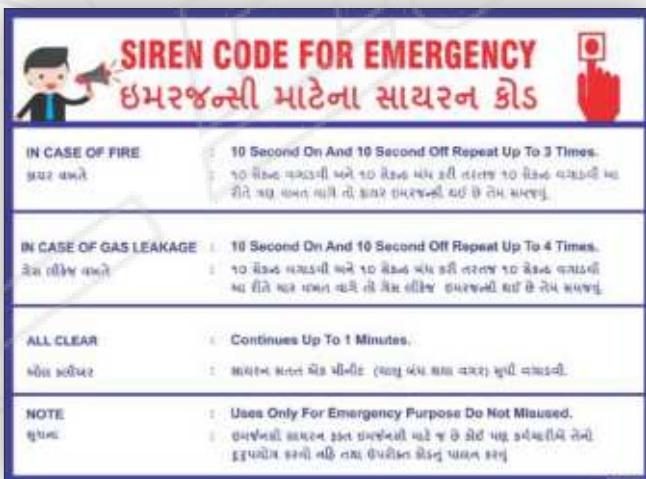




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PSP109



PSP119



PSP426



PSP434



PSP456



PSP103



ઓલીયમ ૬૫% વાપરતી વખતે ધ્યાનમાં  
લેવાના સૂચનો

### ભૌતિક અને રસાયણીક ગુણધર્મો :

- ઓલીવમ એક રંગવિહીન, કાટ સાવનાર ઝેરી રસાયણ છે. ચીકણું પ્રવાહી છે.

**સ્વાસ્થ્ય પર અસર :**

- બોધિયમ્ સ્થાનમાં જવાથી જુલેલેલ અમથા ધાનિકારક લોઈ કો છે. બોધિયમની અંતર થવાથી ફેફસાનું ખજવાળ, છાતી પીડા, તીવ્ર ખાંસી આવવાથી, બળતરા થવી, આવામાંથી પાણી આવવું, તથા તતડી થવી, સ્થાનમાં રહેવાથી, મોં માં જવાની ચાંદા પાડવા અને સંખત દાગી જવાય.

**હેર-હેર અને સંગ્રહ :**

- સમર લાઠીનીચે સ્થાપના એક. બાર. પી. લાઠીનીચેવાળા સ્ટીલ ટેકે કે એચ. ડી. પી. ટે. કેસનામાં સંકલ્પ સરવે જોઈએ. પાવડર પાનુઓ અને જવમનસીમાં સ્થાપનાઓથી દૂર રાખવું જોઈએ. મુસલપાત્રે બંધ રાખવી તરબીથી દૂર રાખવી.

**स्थिति :**

- સુકી રેતી અથવા નમ્બ ગ્રિન જણા. સ્પર્ક સામગ્રી સાથે સિમેન્ટ કન્ટેઇનર કરવું. સિમેન્ટ કન્ટેઇનર કરવા માટે સ્વચ્છ ગ્રિન. સ્પર્ક સામગ્રીનો ઉપયોગ કરવો.

**રક્ષાણુઆત્મક સાધનો :**

- पीपीसी ज्ञान भोजन, इन फ़ेस मासक रेसिपिरेटर, पीपीसी ओटोमन अणुवा सुट, गम भुट पोरवा

**કુલ અંક ૬ થી ૮ મેન્ટ :**

- આંધ્રોને અસર થાય તો ૧૫ મીનિટ ખુબ પ્રમાણમાં પાણીથી સારું કરી,ત્યારબાદ અસર થાય તો તાત્કાલીક બમડેવા ઉપરનો દૂર કરી લખા ખુબ પાણીથીસારું કરે. બાહ્યોજીવજાતમાં તકનીક પડે તો કુલિમ માત્રોઅચ્છાત્રા અલગથી જો એસીક પેટમાં ગયો હોય તો ઈમડી થયા દેવી નહી. પહેલુ પાણી વધારે પડેતરેથી જો એસીક પેટમાં ગયો હોય તો ઈમડી થવા દેવી નહી. પહેલુ પાણી વધારે પડેતરેથી નીચડાગે ડીકડાગે સંપર્ક કરવો.

**એસીડની ટાંકી કન્ડેન્સરમાં કામ દરમિયાન જરૂરી સુરક્ષા**

**ભય :**

- ટાંકીમાં ઓક્સિજનના અભાવ કારણે છે. ટાંકીમાં કેમિકલની વેપર / ફ્યુમ્સ સોઈ શકે જેનાથી અળતરા થાય અથવા ચક્કર આવે, શ્વાસ પણ બંધ થઈ શકે છે. ટાંકીમાં સુખ્યાતમાં વેપર ન થાને પરંતુ સાફસફી કરતાં થાઈવાર ફ્યુમ્સ / ડાઈઝીન અવજનક સીતે ઉદભવે છે.

**सुरक्षा :**

- હાંકીમાં અંદર જતાં પાંચમાં હાંકીને બસાબર બાહ્યનોમિટ કરી, તથા અંદરનું કેમિકલ સંપૂર્ણ પાકે ખાલી કરી.
- વિદ્યેશન માટે યોગ્ય કાકડાં અને ગેર હોબ ને ખુલ્લા રાખો.
- હાંકીની અંદર જથાકે કોઈ કામ કરનું લોખ ત્યારે તેની માટે એક માણસને બહાર જરૂર ઉભો રાખો.
- હાંકીમાં ઉતરવાના માણસે ચેકુટી બેન્ડ કે દોરડું ખાંચીને જ અંદર ઉતરવું કે જેથી કોઈ તકલીફ થાય તો બહારની વ્યક્તિ મદદ કરી શકે.
- હાંકીમાં લૂથ થવાનું પ્રમાણ જળવાઈ શકે તે માટે હાથની એર લોઝ અંદર રાખો.
- હાંકીમાં અંદર બાઈકલિંગ માટે ડ્રેમશ રજ વોલ્ટનો સત્વણ અથવા ટોચનો ઉપયોગ કરવો.

**પ્રાથમિક સારવાર :**

- ટાંકીમાં કામ કરતા જો વ્યક્તિને ચક્કર આવે તો ખુલ્લી હવામાં લઈ જાય.
  - બેભાન વ્યક્તિને મોં વડે કાંઈ જ આપવું નહીં.
  - શ્વાસ બંધ થઈ જાય તો કુનિય શ્વાસોચ્છવાસ આપો.
  - ફરીથી કોઈ જાગ્રદમાં ઉત્તિકલની અસર થાય તો મગજ પાટીથી સંભળ ધુવો.
- કોઈ પ્રયત્ન કે ટ્રેપન લગાવશો નહીં.

PSP518



PSP940



PSP941

PSP519



PSP918



PSP779



PSP720



PSP343



PSP224





PSP501



PSP867





PSP556



PSP557



PSP607



PSP900



PSP902



PSP898



PSP506



PSP508





PSP926



PSP860



PSP861



PSP722



PSP787



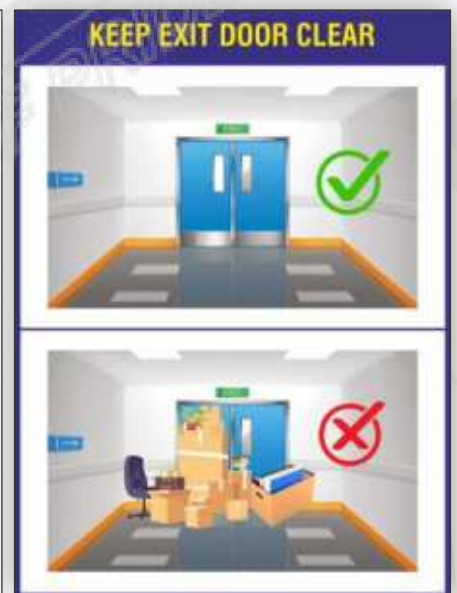
PSP536



PSP723

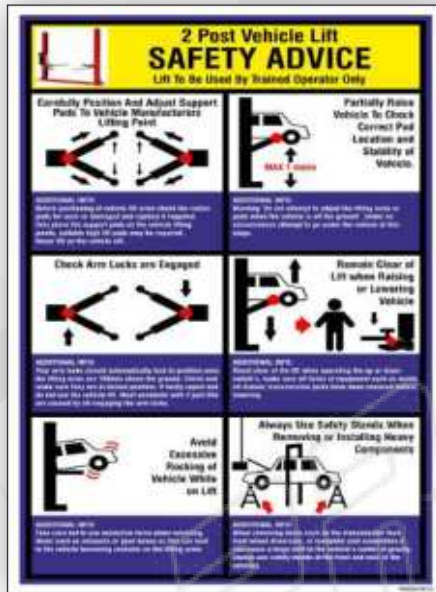


PSP652



PSP772





PSP774



PSP775



PSP760





PCU018



PSP127



PSP381



PSP383



PSP165





PSP206



PSP909



PSP315



PSP314



PSP204



PSP264



PSP316



PSP317



## HOUSE KEEPING POSTERS



PCU048



PSP175



PSP187



PCU843



PSP450



PSP574



PSP025



PSP026



PSP852



PSP685



## HOUSE KEEPING POSTERS



PSP213



PSP314



PSP570



PSP571



PSP690



PSP716



PCU211



PSP375



PSP822





PSP248



PSP191



PSP208





PSP241



PSP529



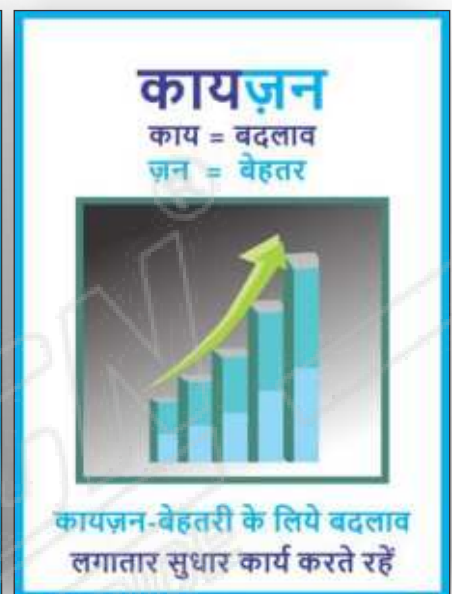
PSP530



PSP534



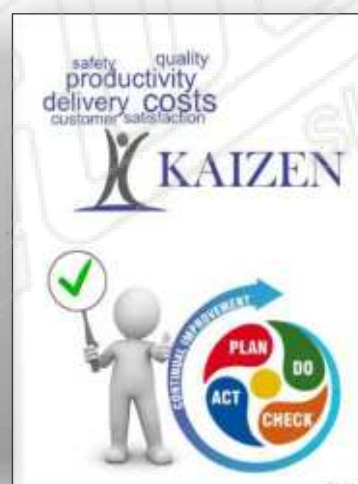
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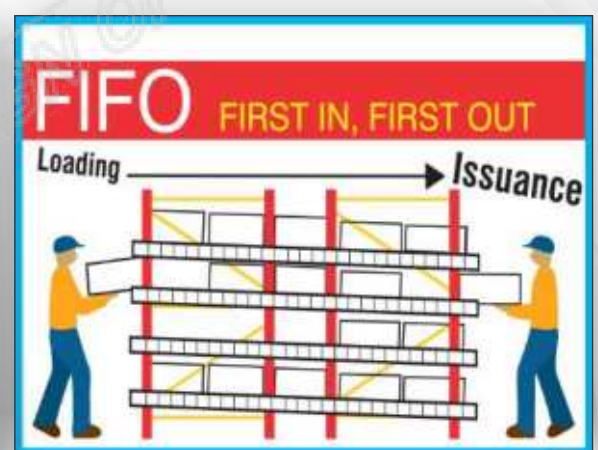
PSP533



PSP537



PSP240



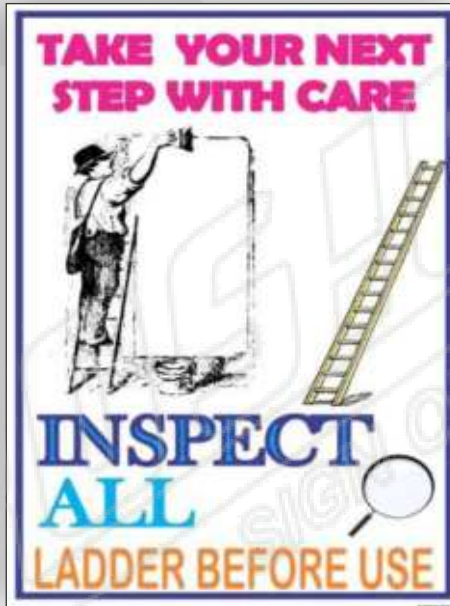
PSP538



# LADDER SAFETY POSTERS



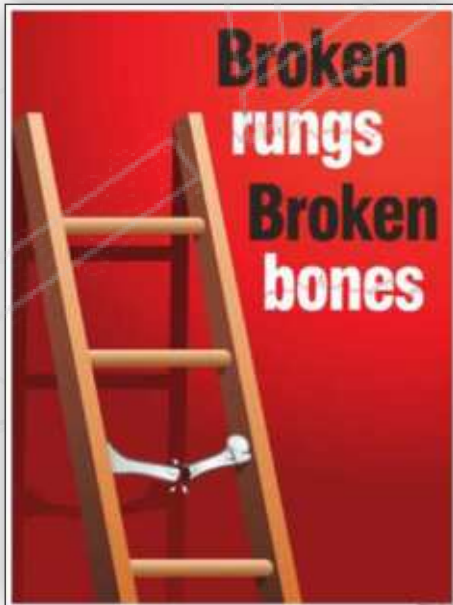
PSP021



PSP022



PSP412



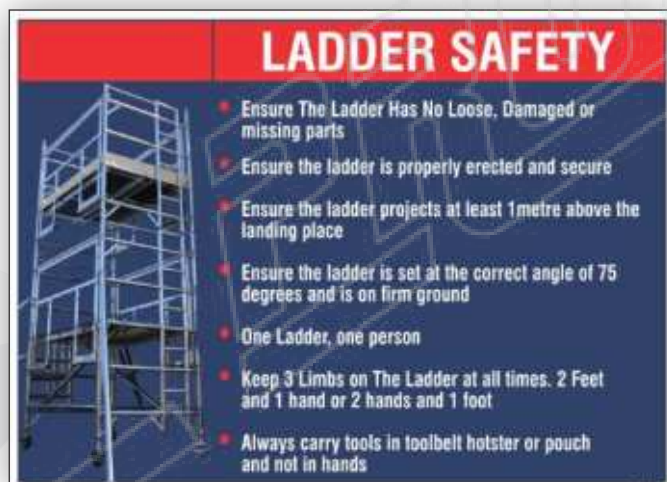
PSP446



PSP830



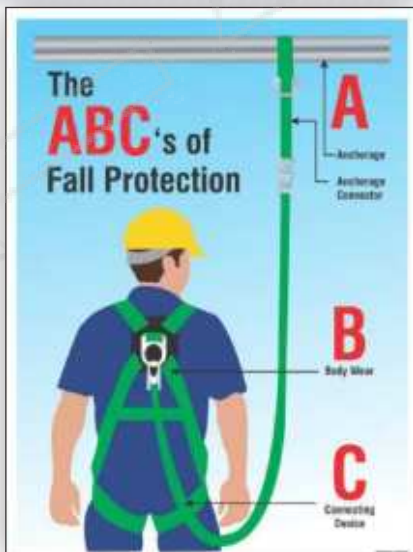
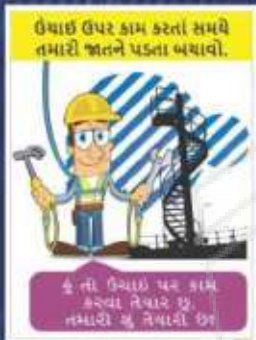
PSP885



PSP394



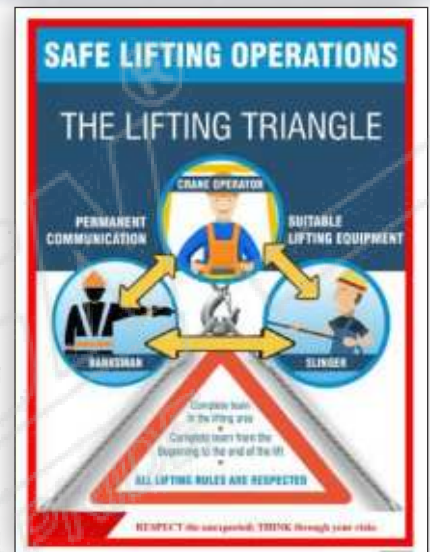
## LIFTING & FORKLIFT POSTERS



PSP485



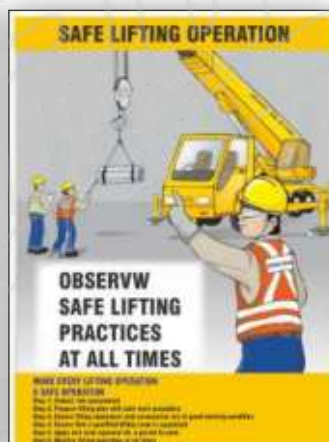
PSP836



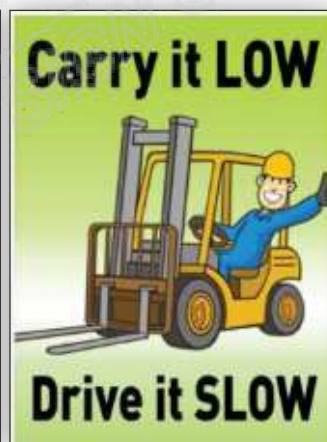
PSP528



PSP401



PSP400



PSP032



PSP179





PSP176



PSP301



PSP197



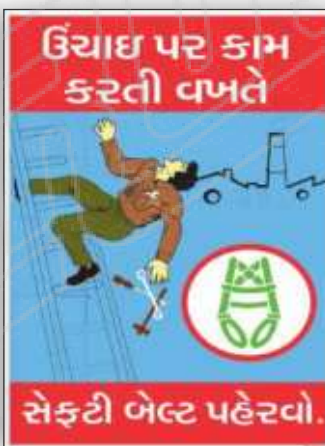
PSP124



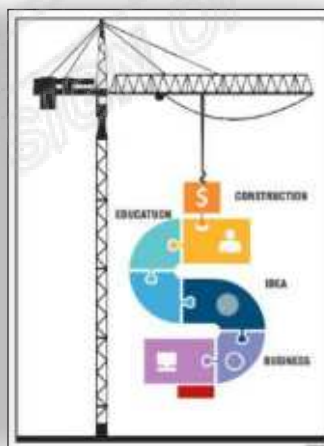
PSP382



PSP303



PSP431



PSP399



PSP922



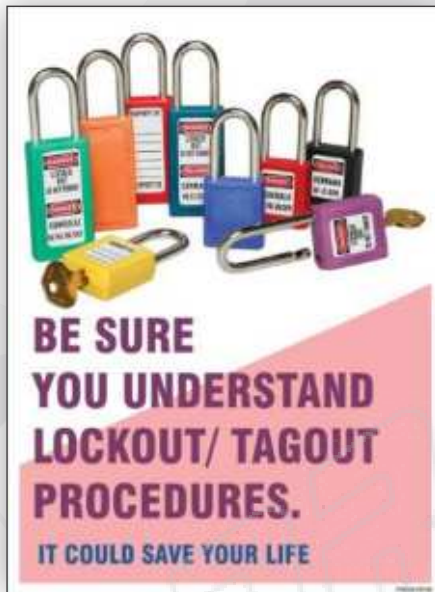


PSP419



PSP423

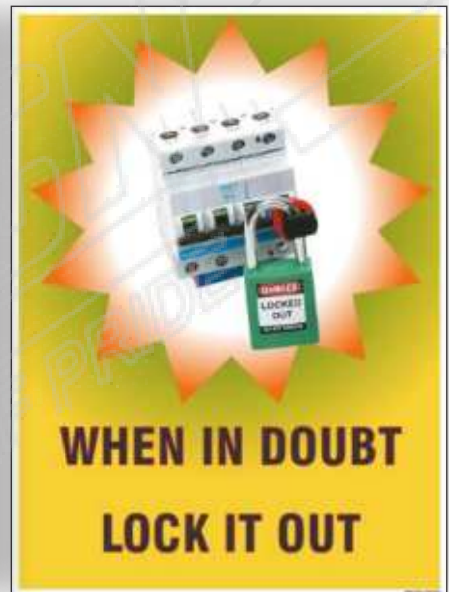
## LOCKOUT TAGOUT POSTERS



PSP308



PSP305



PSP306



PSP403



PSP417



PSP304



PSP239



## Do Not Operate Any Machinery Unless All Guards Are In Place And In Good Working Order



## It Could Come Back To Bite You

### SAFETY PRECAUTIONS IN WORKSHOP

#### WARNING!

DO NOT USE ANY TOOL OR MACHINE WITHOUT THE SUPERVISION OR GUIDANCE OF A TEACHER

- Cutting guards must be used at all times in work areas.
- Clarity: Footwear must be worn at all times in work areas.
- Rings and jewelry should not be worn.
- Long and loose hair be contained.
- Loose fitting protective clothing must be worn.
- Don't eat while working in the workshop.
- Always listen carefully to the teacher and follow instructions.
- Do not run in the workshop, you could bump into another pupil and cause an accident.
- Know where the emergency stop button is located in the workshop. If you are in accident at the other side of the workshop you can use the emergency stop button to turn off all electrical power to machines.
- Always wear an apron and will protect your clothes and hand lower clothing such as ties in place.
- Wear good fitting shoes, trailing shoes are not suitable.
- When attempting practical work all steps should be put away.
- Goggles should not be brought into a workshop as pupils can trip over them.
- When learning how to use a machine, listen very carefully to all the instructions given by the teacher. Ask questions, especially if you do not fully understand.
- Do not use the machine if you have not been shown how to operate it safely by the teacher.
- Always be patient, never rush in the workshop.
- Always use a guard when working on a machine.
- Keep hands away from moving, rotating machinery.
- Use hand tools carefully keeping both hands behind the cutting edge.
- Report any damage to machinery/equipment as this could cause an accident.

PSP585

### QUALITY MANAGEMENT SYSTEM POLICY

BSI - Assurance  
 Issue Date: 15/07/2021  
 Model:  
 Model:

BSI Drilling Equipments (India) LLP is committed to meet and achieve the customer satisfaction, legal and other applicable requirements in all its activities and operations. We are committed to have an on-going improvement in quality and delivery of all our activities and operations.

#### We Committed to achieve this by:

1. Directing all the activities of BSI Drilling Equipment (India) LLP in such manner that our activities and operations meet the quality requirements as specified in relevant standards and customer requirements.
2. Increasing the quality of operations in BSI Drilling Equipment (India) LLP is enable us to achieve new levels of productivity, quality and safety that are significantly above industry standards.
3. Investing in training and increasing the knowledge and experience of its employees
4. Committing to continual improvement effectiveness of QMS by our employees will lead to improved productivity and increased customer satisfaction.
5. Quality in every level of the business will become a process factor that will not be compromised.

BSI Drilling Equipments (India) LLP believes that quality values must be internalized for all levels of the BSI Drilling Equipments (India) LLP and shall be rewarded for its continuing reliability.

#### Approved by:-

Shikhar Mathur  
 Managing Director

BSI DRILLING EQUIPMENTS (INDIA) LLP

PSP589

**BSI**  
 BSI DRILLING EQUIPMENTS

**ગુણવત્તા વ્યવસ્થાપન સિસ્ટમ નીતિ**

BSI - Assurance  
 Issue Date: 15/07/2021  
 Model:  
 Model:

શ્રી બીએસ ડ્રિલિંગ ઇક્વિપમેન્ટ્સ (ઇન્ડિયા) એસએલપી, તેની તમામ પ્રવૃત્તિઓ અને કાર્યકારીઓ માટે સુરક્ષા, કાર્યકારી અને અન્ય વાસ્તવિકતાઓને પૂર્ણ કરવા અને પ્રાપ્ત કરવા માટે પ્રતિબદ્ધ છે. અમે આપણી તમામ પ્રવૃત્તિઓ અને કાર્યકારીઓની ગુણવત્તા અને વિશ્વકોષમાં સહાય સુધારી કરવા માટે પ્રતિબદ્ધ છીએ.

અમે આના દ્વારા આ પ્રાપ્ત કરવા માટે પ્રતિબદ્ધ છીએ:

1. શ્રી બીએસ ડ્રિલિંગ ઇક્વિપમેન્ટ્સ (ઇન્ડિયા) એસએલપી ની તમામ પ્રવૃત્તિઓને એવી રીતે નિયંત્રિત કરવી કે અમારી પ્રવૃત્તિઓ અને કાર્યકારી સુરક્ષા અને ગુણવત્તાના ઉચ્ચત સ્તરે ગ્રાહકોની જરૂરિયાતોને પૂર્ણ કરે.
2. શ્રી બીએસ ડ્રિલિંગ ઇક્વિપમેન્ટ્સ (ઇન્ડિયા) એસએલપી ની ગુણવત્તામાં વધારો કરીને અને વિશ્વકોષમાં, ગુણવત્તા અને સુરક્ષાના નવા સ્તરે સુધારો કરી ગ્રાહકોની જરૂરિયાતોને પૂર્ણ કરે.
3. તમામ કાર્યકારીઓને તમામ કાર્યકારીઓને શ્રેણી અને અનુભવમાં વધારો કરવી.
4. અમારા કાર્યકારીઓ દ્વારા ગુણવત્તા સુધારણા સિસ્ટમ ની સહાય સુધારી આપણને પ્રતિબદ્ધ કરવામાં ઉપકારોમાં વધારો કરી અને ગુણવત્તા સુધારી વધારી શકીએ.
5. ગુણવત્તાના સ્તરે આપણને ગુણવત્તા માટે પ્રતિબદ્ધ અને સુધારી કરવી તમામ કાર્યકારીઓમાં આવી શકે.

શ્રી બીએસ ડ્રિલિંગ ઇક્વિપમેન્ટ્સ (ઇન્ડિયા) એસએલપી અને તેના શ્રી બીએસ ડ્રિલિંગ ઇક્વિપમેન્ટ્સ (ઇન્ડિયા) એસએલપી ના તમામ કાર્યકારીઓ માટે ગુણવત્તા સુધારી સુધારી કરવી અને તેની સહાય સુધારી માટે સહાય કરવામાં આવશે.

ગ્રાહક સુધારા:  
 (1) સહાય સુધારા  
 (2) સહાય સુધારા  
 શ્રી બીએસ ડ્રિલિંગ ઇક્વિપમેન્ટ્સ (ઇન્ડિયા) એસએલપી

PSP590

# MACHINE SAFETY POSTERS

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Drilling Operation

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. Switch on the machine and confirm drilling machines control is working.  
2. Drilling machine is a machine tool which is used to drill the work piece.  
3. Check Drill bit for various operation and work placed in the machine before starting the process.  
4. Drilling to a material removing or cutting process in which the tool uses a drill bit to bore at circular cross-section in solid work piece.  
5. The table height is adjustable and power speed and feeds are available.  
6. Dress the work piece to be placed in the appropriate position then the operator will provide the operation as per the drawing / work card.  
7. Drilling machine has various types of operations like Drilling, Reaming, Boring, counter boring, Counter sinking, spot facing & tapping.

**C) Machine Parameters:-**  
The Drilling machine parameters are,  
1. Base  
2. Column or Pillar  
3. Arm  
4. Worktable  
5. Drill head  
6. Speed Mechanism  
7. Spindle  
8. Drill Jig  
9. Chuck

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Scrap to be dispose in scrap area only.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP593

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Cutting

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. Switch on the machine and confirm control is working.  
2. Check Cutting blade condition and work place in the machine before starting the process.  
3. Operator should verify the coolant level.  
4. Prepare the work piece, and feed into the machine and fit it to align the centre with the help of Switch button.  
5. Once the work piece is placed in the appropriate position then the operator will proceed the operation as per the drawing / work card.

**C) Machine Parameters:-**  
The Cutting machine parameters are,  
1. Subject correct blade for work piece being cut.  
2. Keep blade tight.  
3. Keep blade frame properly aligned.

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Scrap to be dispose in scrap area only.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP594

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Honing Machine

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. Turn Main Power Switch ON.  
2. Press green Start Button.  
3. Turn speed switch to drive.  
4. Visually inspect that dot on dresser advancement handle are at same position.  
5. Round all honing wheel edges with cleaning stick.  
6. Run pump switch on.  
7. Press & hold in either Left or Right honer dresser until the dresser run ascending stage in forward position.  
8. Turn the Dresser Advancement back clockwise one click and release dresser button.  
IMPORANT:- Repeat Steps 7 & 8 until honing wheels round smooth.  
9. Repeat Steps 7 & 8 other honing wheels round smooth.  
IMPORANT:- Visually inspect that dots on dresser Advancement handle are at same position.  
10. Turn hand wheel clockwise until you cannot see honing wheels.  
11. Turn hand wheel clockwise two or three complete turns.  
12. Turn speed switch to stopper.

**C) Machine Parameters:-**  
The Honing machine parameters are,  
1. Spindle work piece  
2. Honing tool  
3. Rotating and reciprocating shaft  
4. Coolant supply where over it required

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Scrap to be dispose in scrap area only.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP595

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Hydro Test

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Use PPE's like welding Shield, Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. Subject pressure gauge to per pressure measurement specified in Client PIR.  
2. System collection of pressure gauge before carrying hydro testing.  
3. Start the water filling its switching on water filling pump/minimal.  
4. When air comes out through, close the vent valve.  
5. When high pressure pump to get specified pressure and hold it for minimum holding time as per Client PIR.  
6. Pressure drop should not be there during the holding time.  
7. Pressure gauge is to be used to verify the test pressure and holding time, if any pressure observed - record pressure drop or holding time (see gauge) the Gross over / Final product has to be re-tested.  
8. After specified time, vent valve gets automatically open.  
9. Inspective report of hydro test is maintained to format, Client without failure shall be followed as per SOP.  
10. If any water in / super pressure drop is observed from the Gross over / Final product then the Gross over / Final product shall be check visually to know the location. If the jet is from the Gross over / Final product then the pipe shall be put under new confining product and will be disposed as per procedure.  
11. Gross over / Final product are moved for the test process after successful completion of hydrostatic test.  
12. Set Pressure as per Drawing and recorded in Hydro Test Report.  
13. Hydro test should be performed in an area with a proper ventilation and provide warning boards to prevent entry.

**C) Machine Parameters:-**  
The Hydro test machine parameters are, Pressure / Operator shall be responsible for Hydro testing operation and maintenance of the machine. Failure shall be responsible for managing the necessary tools & spares to ensure the proper operation. S/E Manager/Executive/Inspector is responsible for entry / release of the same.

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Scrap to be dispose in scrap area only.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP596

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Lathe Machine

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. A lathe machine that rotates the work piece about an axis to perform different operations such as turning, facing, taper turning, knurling, grooving, parting off, thread cutting, reaming etc.  
2. Work piece held by a chuck or any other fixture.  
3. Before starting the operation we should check the parts of lathe machine like bed, Headstock, Spindle carriage, Tailstock, Tool post, Chuck is it of original position or not.  
4. Never attempt to run the chuck ON or OFF the spindle head by engaging the power.  
5. Do not touch tools, bits or excess pieces of stock on the lathe bed.  
6. Only properly sharpened drill bits and cutting tools in good condition should be used.  
7. Self drill bits and chipper or break cutting tools must be removed from the service.  
8. Stop the machine immediately if odd noise or excessive vibration occur.

**C) Machine Parameters:-**  
The Lathe machine parameters are,  
1. Feed  
2. Spindle speed  
3. Machine / Spindle power

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Scrap to be dispose in scrap area only.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP597

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Milling Operation

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. A milling machine is a machine tool that cuts metal as the work piece is fed against a rotating multi-toothed cutter.  
2. The milling cutter rotates at a very high speed.  
3. The machine can also feed single or multiple cutting edges at a same time.  
4. As the work progress for that, the cutter both remove the metal from the work surface to produce the desired shape.  
5. Lower milling feed using 2 axis handle to allow clearance to collect chip and placement of work piece on the bed.  
6. Ensure the appropriate cutting tool is secured firmly with the correct collect in the chuck.  
7. Ensure there is plenty of clearance between cutting tool and work piece using X,Y or Z axis.

**C) Machine Parameters:-**  
The Milling machine parameters are,  
1. Feed rate  
2. Spindle speed  
3. Depth of cut

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Scrap to be dispose in scrap area only.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP598

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Painting

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. Ensure all safety hazards are present in workspaces and walkways.  
2. Ensure the compressor is a suitable location for safe operation.  
3. Before starting the painting operation we should check the air compressor is switch on or not, after that check the spray condition.  
4. Before using any kind of operation we should check the product since it might have some oil, dust or MPG content and etc.  
5. After checking the product we should first apply primer so that the final color painting gets applied for better coating.

**C) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**D) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Used clothes should be placed only in hazardous bin.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP599

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Phosphating

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. The first step in the zinc phosphate process is cleaning or degreasing of the component to be coated or during this step, whatever oils or dirt or impurities are clinging, those are removed. This is a very important step. The next step in the process is called water rinse. It is a simple process. It is a tank containing water at a particular temperature (75-80°C) and the component that is cleaned or degreased that is dipped inside this water tank and because of the hot temperature, whatever residual chemicals are there during the cleaning process or to be removed get to move that is removed during this stage. The third step is called activation. During this step, the surface activation chemicals activate the metal to obtain the layer structure during the phosphate coating. This is the main step which causes the corrosion resistance and adhesive properties. Layer forms of less than 10 microns are normally preferred. This is an important step if we don't do this step then the material will start corroding, after this process the color is seen in grey color in nature.

**C) Machine Parameters:-**  
The Phosphating parameters includes  
1. Chemical  
2. Temperature  
3. Chemical composition i.e. 80% ca/hydroxy + 2% ca/hydroxy

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Scrap to be dispose in scrap area only.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP600

**BSI**  
BRITISH  
STANDARDS  
INSTITUTE

**Standard Operating Procedure**  
Hardness Tester

BSI/PRO/SAFE/01  
ISSUE No. 01  
ISSUE DATE : 1-9-2022  
REV 00  
REV 01

**A) Safety Hazards:-**  
1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.  
2. Wear Goggles, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**  
1. The Rockwell hardness test uses a small diamond cone or a hardened steel ball for testing material.  
2. Since the Rockwell hardness is categorized into two, -HRC: Since the Rockwell hardness B abbreviated as HRB, -HRF: Since the Rockwell hardness C abbreviated as HRC.  
3. The indenter attached on test machine and test specimen held on the table.  
4. Set the dial pointer on zero.  
5. New load (10kg or 150kg) is applied by moving the handle for 10 to 15 sec.  
6. After reducing pointer has come to rest, the load are removed and note the Rockwell hardness number in form dial or digital display.

**C) Machine Parameters:-**  
1. Dial indicator  
- 6 scale is for steel indenter.  
- C scale is for Diamond ball indenter.  
2. Color scale  
- HRB red color scale.  
- HRC black color scale.

**D) Ref. Records:-**  
Route Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**  
1. Used / Waste coolant disposal to Authorized Recycler and maintained Records for Waste.  
2. Used clothes should be placed only in hazardous bin.

PREPARED BY: REVIEWED BY: APPROVED BY:

PSP601

Note:- You can also customize the design and layout to match your brand's aesthetics



**Moving Machinery Can  
Cause Severe Injury  
Or Death.**



**Ensure Guards Are In Place  
Before You Switch ON**



**BSI**  
DRILLING  
EQUIPMENTS

**गुणवत्ता प्रबंधन  
प्रणाली नीति**

REF:- Annexure B  
ISSUE DATE:- 01/07/2022  
REV.00  
REV.DT:-

बीएसआई ड्रिलिंग इक्विपमेंट्स (यूनिट-II) एलएलपी, अपनी सभी गतिविधियों और संचालन में ग्राहकों की संतुष्टि, कानूनी और अन्य लागू आवश्यकताओं को पूरा करने और प्राप्त करने के लिए प्रतिबद्ध है। हम अपनी सभी गतिविधियों और परिचालनों की गुणवत्ता और वितरण में निरंतर सुधार के लिए प्रतिबद्ध हैं।

**हम इसे हासिल करने के लिए प्रतिबद्ध हैं:**

- बीएसआई ड्रिलिंग उपकरण (यूनिट-II) एलएलपी की सभी गतिविधियों को इस तरह से निर्दिष्ट करना कि हमारी गतिविधियों और संचालन प्रासंगिक मानकों और ग्राहक आवश्यकताओं में निर्दिष्ट गुणवत्ता आवश्यकताओं को पूरा करें।
- बीएसआई ड्रिलिंग इक्विपमेंट्स (यूनिट-II) एलएलपी में संचालन की गुणवत्ता बढ़ाना हमें उत्पादकता, गुणवत्ता और सुरक्षा के नए स्तर प्राप्त करने में सक्षम बनाता है जो उद्योग मानकों से काफी ऊपर हैं।
- प्रशिक्षण में निवेश करना और अपने कर्मचारियों के ज्ञान और अनुभव को बढ़ाना।
- हमारे कर्मचारियों द्वारा क्वालिटी मैनेजमेंट की निरंतर बेहतर प्रभावशीलता के लिए प्रतिबद्ध रहने से उत्पादकता में सुधार होगा और ग्राहकों की संतुष्टि में वृद्धि होगी।
- अवसाय के हर पहलू में गुणवत्ता एक प्रक्रिया कारक बन जाएगी जिससे समझौता नहीं किया जाएगा।

बीएसआई ड्रिलिंग इक्विपमेंट्स (यूनिट-II) एलएलपी का मानना ​​है कि बीएसआई ड्रिलिंग इक्विपमेंट्स (यूनिट-II) एलएलपी के सभी स्तरों के लिए गुणवत्ता मूल्यों को आंतरिक किया जाना चाहिए और इसकी निरंतर उपयुक्तता के लिए समीक्षा की जाएगी।

के द्वारा अनुमोदित:-  
दिनकर मथुरेजा  
प्रबंध निदेशक  
बीएसआई ड्रिलिंग उपकरण (यूनिट-II) एलएलपी

PSP591



PSP884

**BSI**  
DRILLING  
EQUIPMENTS

**Standard Operating  
Procedure  
CNC Machining**

BSI/PHD/SOP/02  
ISSUE No. 01  
ISSUE DATE > 1-8-2022  
REV. 00  
REV. DT:-

**A) Safety Hazards:-**

- Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks.
- Wear Gloves, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.

**B) Technical Parameters:-**

- Switch on the machine and confirm CNC control is working.
- Locate the position of tools and work piece in the machine before starting the process.
- Operator should verify the hydraulic oil level, lubrication oil level, coolant level.
- Choose the suitable program for the loaded component. (Program parameters depend on the material grade / Customer requirement)
- Secure the Product, and feed into the machine and lift it to align the centre with the help of Switch button and through it with the help of dial gauge.
- Once the product is align properly in a machine then we need to move the boring bar towards the product and the take the offset to start the operation.

**C) Machine Parameters:-**

The CNC machine parameters are,

- Feed rate.
- Depth of cut.
- Spindle speed / Rotational speed.
- Lubricants.

**D) Ref. Records:-**

Root Card, In Process and Final Inspection Report, HIRA, Waste Records etc.

**E) Environment point:-**

- Used / Waste oil disposal to Authorized Recycler and maintained Records for Waste.
- MSDS followed for Oil.
- Scrap to be dispose in scrap area only.

PREPARED BY	REVIEWED BY	APPROVED BY

PSP592



PSP662



PSP880

# MACHINE SAFETY POSTERS

BSI INDUSTRIAL CORPORATION		Standard Operating Procedure Shaping Machine	BSI-PROD/STPP/04 ISSUE No. 01 ISSUE DATE: 1-9-2022 REV 00 REV DA:
<b>A) Safety Hazards:-</b> 1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks. 2. Wear Gloves, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.			
<b>B) Technical Parameters:-</b> A Shaping machine task is based on the stroke mechanism. Forward stroke performs the action and backward or return stroke brings back the tool to its original position for the next forward stroke. The working of a shaping machine is explained in below points. 1. First and forward tool is to place the work piece on the table. 2. After that cutting tool is placed in the tool holder mounted on the Ram. 3. If it is time to supply power by starting the motor for performing a reciprocating action. 4. In the reciprocating action cutting tool performs the task on work piece and removes the extra material and backward stroke or return stroke does not perform cutting action. It is end of removing stroke for the next automatic forward stroke.			
<b>C) Machine Parameters:-</b> The Shaping machine parameters are: 1. Size. 2. Capacity. 3. Crank-end. 4. Saddle. 5. Ram. 6. Tool head.			
<b>D) Ref. Records:-</b> Route Card, In Process and Final Inspection Report, NCR, Waste Records etc.			
<b>E) Environment point:-</b> 1. Used / Waste content disposed to Authorized Recycler and maintained Records for Waste. 2. Scrap to be disposed in scrap area only.			
PREPARED BY	REVIEWED BY	APPROVED BY	

PSP602

Standard Operating Procedure Welding		BSI-PROD/STPP/08 ISSUE No. 01 ISSUE DATE: 1-9-2022 REV 00 REV DA:																		
<b>A) Safety Hazards:-</b> 1. Potential Hazards: Exposed moving parts and electrical hazard with the potential to cause harm through entanglement, impact and cutting, exposure to heat, noise, projectiles, sharp objects, friction and sparks. 2. Used PPE's like welding Shield, Wear Gloves, Face Mask, Eye Protection, Safety Shoes, Hearing Protection etc.																				
<b>B) Technical Parameters:-</b> 1. Check the machine working condition before starting it, and if found any problem then inform immediately to supervisor. 2. Check all the required items like torches, electrodes, copper wire, Working rods, current setting, oxygen cylinder, wire feed rate and gas flow rate according to the job which is to be welded. 3. Check / set current during Process / welding and recorded in Route Card. 4. Check the desired temperature during welding process by using temperature gun. 5. After all setting, start the job of welding process taking the Ref. NCR report & production report. 6. Check jet gauge after welding by supervisor, and after getting approval from supervisor continue the process. 7. Check (30) of regular time interval and also get it checked from supervisor during overall working process on job.																				
<b>C) Machine Parameters:-</b> The Welding machine parameters are: <table border="1"> <thead> <tr> <th>WIRE THICKNESS</th> <th>CURRENT</th> <th>WELD</th> </tr> </thead> <tbody> <tr> <td>1.5 MM</td> <td>30-50 AMP</td> <td>1.5 MM</td> </tr> <tr> <td>2.0 MM</td> <td>110-130 AMP</td> <td>2.0 MM</td> </tr> <tr> <td>3.0 MM</td> <td>20-25 AMP</td> <td>3.0 MM</td> </tr> <tr> <td>4.0 MM</td> <td>40-45 AMP</td> <td>4.0 MM</td> </tr> <tr> <td>5.0 MM</td> <td>110-130 AMP</td> <td>5.0 MM</td> </tr> </tbody> </table>			WIRE THICKNESS	CURRENT	WELD	1.5 MM	30-50 AMP	1.5 MM	2.0 MM	110-130 AMP	2.0 MM	3.0 MM	20-25 AMP	3.0 MM	4.0 MM	40-45 AMP	4.0 MM	5.0 MM	110-130 AMP	5.0 MM
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<b>D) Ref. Records:-</b> Route Card, In Process and Final Inspection Report, NCR, Waste Records etc.																				
<b>E) Environment point:-</b> 1. Used / Waste content disposed to Authorized Recycler and maintained Records for Waste. 2. Scrap to be disposed in scrap area only.																				
PREPARED BY	REVIEWED BY	APPROVED BY																		

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मशीन नियम / MACHINE RULES	
1. मशीन को सही ढंग से चलाएं। Do not start the machine without authorization.	
2. मशीन को चलाते समय चेहरे पर सुरक्षा कावच (फेस मास्क) पहनें और आँखों को सुरक्षा कावच (गoggles) से सुरक्षा करें। The machine must always be run with the face mask and eye protection. Do not wear any jewelry.	
3. मशीन संचालक को मशीन को सही ढंग से चलाते हुए देखना है। Machine operator is responsible for keeping the machine under control.	
4. मशीन को चलाते समय चेहरे पर सुरक्षा कावच (फेस मास्क) पहनें और आँखों को सुरक्षा कावच (गoggles) से सुरक्षा करें। All the personnel working in the shop in the vicinity of the machine, the working in the shop.	
5. मशीन को चलाते समय चेहरे पर सुरक्षा कावच (फेस मास्क) पहनें और आँखों को सुरक्षा कावच (गoggles) से सुरक्षा करें। All the personnel working in the vicinity of the machine, the working in the shop.	
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CUTTING & CHIPPING SAFETY	
• Wear appropriate protective gloves, especially on the hand that holds the work piece being cut. The right glove not only protects the hand but can improve the grip as well.	
• If using a guide or straight edge make sure it is securely clamped.	
• Do not force a bend or apply side loads to the cutting blade. This is the primary cause of blade breakage.	
• Keep your non-cutting hand away from the line of the cut.	
• One shall wear a hard hat, eye protection, heavy duty or anti-vibratory gloves, and ear plugs.	
• Do not wear loose-fitting clothing.	
• Maintain a safe distance.	

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मशीन को गार्ड लगा कर ही चलाये	
गार्ड मशीन की नहीं, आप की सुरक्षा के लिये है।	

PSP638



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