

## 劳工处-职业安全及健康部

## **Occupational Safety and Health Branch - Labour Department** 办事处地址、电话及传真号码。

### 职业安全及健康部

#### 谘询服务

香港西环干诺道西一八一号 汇港中心二十五字楼 电话: 2559 2297 (办公时间外,将会自动录音) 传真: 2915 1410 电子邮件: enquiry@labour.gov.hk

## 职业安全 - 行动科

#### 香港及离岛区

香港湾仔轩尼诗道一三零号 修顿中心十六字楼 电话: 2835 2034 传真: 2833 0156

### 九龙区

九龙旺角联运街三十号 旺角政府合署六字楼 电话: 2399 2244 传真: 2787 5984

#### 新界东及观塘区

观塘同仁街六号 观塘政府合署大厦二字楼215室 电话: 2157 8055 传真: 2157 0070

## 新界西区

新界荃湾青山道四五七号 华懋荃湾广场八字楼 电话: 2437 1514 传真: 2415 4425

#### 综合服务 新界荃湾西楼角道三十八号 荃湾政府合署六字楼 电话: 2417 6557 传真: 2498 1074

## 职业安全及健康训练中心

荃湾众安街六十八号 荃湾城市中心一期十三字楼 电话: 2940 7064 传真: 2940 6251

### 职业健康

职业健康服务 香港中环统一码头道三十八号 海港政府大楼十五字楼 电话: 2852 4041 传真: 2581 2049

## 观塘职业健康诊所暨职业安全健康

中心 九龙观塘观塘道四五七号 观塘赛马会健康中心二字楼 电话: 2343 7133 (观塘职业健康诊所) 电话: 2361 8240 (职业安全健康中心) 传真: 2142 6905

### 粉岭职业健康诊所

新界粉岭璧峰路二号 粉岭健康中心七楼 电话: 3543 5701 传真: 3543 5718

### 锅炉及压力容器科

香港西环干诺道西一八一号 汇港中心二十四字楼 电话: 2975 6428 传真: 2517 6853

## Contact Addresses, Phone and Fax Numbers-

## **Occupational Safety and Health Branch**

### **Enquiry Services**

25/F., Western Harbour Centre, 181 Connaught Road West, Hong Kona. Telephone: 2559 2297 (auto-recording after office hours) Fax : 2915 1410 : enquiry@labour.gov.hk E-mail

### **Occupational Safety - Operations Division**

### Hong Kong & Island Region

16/F., Southorn Centre, 130 Hennessy Road, Wanchai, Hong Kong. Telephone: 2835 2034 Fax: 2833 0156

**Kowloon Region** 6/F., Mongkok Government Offices, 30 Luen Wan Road, Monakok, Hong Kong. Telephone : 2399 2244 Fax : 2787 5984

### New Territories East & Kwun Tong Region

Room 215, 2/F., Kwun Tong District Branch Office, 2 Tung Yan Street, Kwun Tona, Kowloon. Telephone : 2157 8055 Fax : 2157 0070

### **New Territories West Region**

8/F., Chinachem Tsuen Wan Plaza. 457 Castle Peak Road, Tsuen Wan. Telephone : 2437 1541 Fax : 2415 4425

### Integrated Services

6/F, Tsuen Wan Government Offices, 38 Sai Lau Kok Road, Tsuen Wan Telephone : 2417 6557 Fax : 2498 1074

### **Occupational Safety and Health Training Centre**

13/F., City Landmark I, 68 Chung On Street, Tsuen Wan, New Territories. Telephone : 2940 7064 Fax : 2940 6251

### **Occupational Health**

### **Occupational Health Service**

15/F., Harbour Building, 38 Pier Road, Central, Hong Kong. Telephone : 2852 4041 Fax : 2581 2049

### Kwun Tong Occupational Health Clinic cum Occupational Safety and Health Centre

2/F., Kwun Tong Jockey Club Health Centre, 457 Kwun Tong Road, Kwun Tong, Kowloon. Telephone : 2343 7133 (Kwun Tong Occupational Health Clinic) Telephone : 2361 8240 (Occupational Safety and Health Centre) Fax: 2142 6905

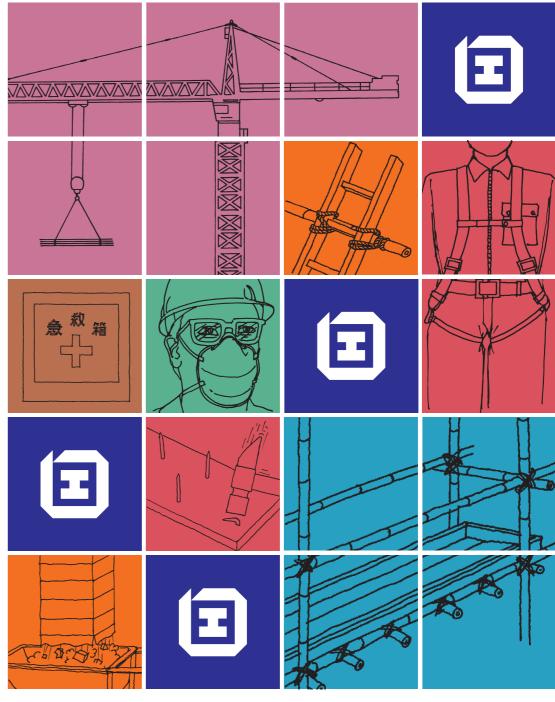
### **Fanling Occupational Health Clinic**

7/F, Fanling Health Centre, 2 Pik Fung Road, Fanling, New Territories. Telephone: 3543 5701 Fax: 3543 5718

## **Boilers & Pressure Vessels Division**

24/F., Western Harbour Centre, 181 Connaught Road West, Hong Kona Telephone : 2975 6428 Fax : 2517 6853



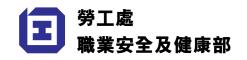




### 劳工处职业安全及健康部 Occupational Safety and Health Branch Labour Department

6/2009-2a-B68







## 引言

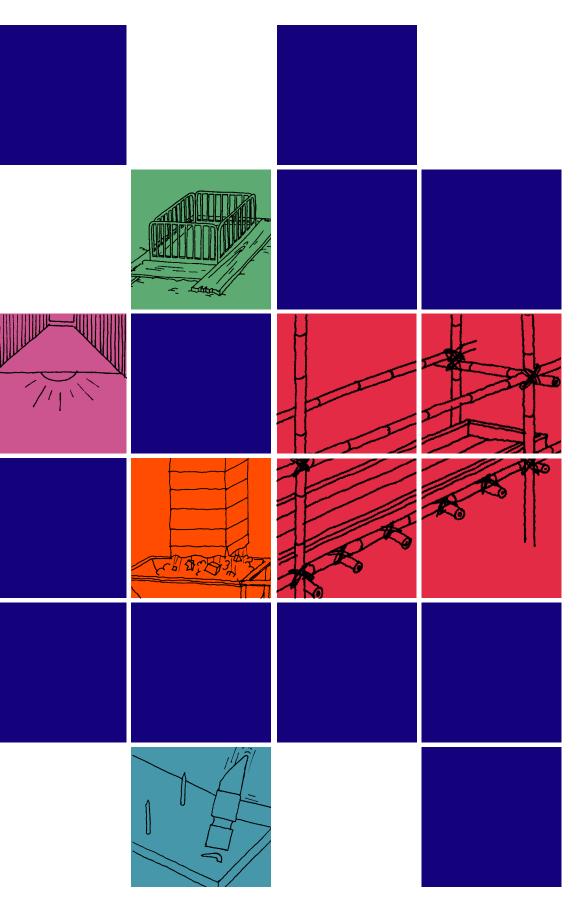
在准备建筑地盘进行工程前,请先核对一下下列各项工作 安全与健康要点,找出危害所在,加以评估和控制风险。 这个查核表当然不是包罗万有,若需要进一步的安全健康 资料,请与劳工处职业安全及健康部联络(请参看底页)。 我们建议的查核表须包括 -

## 1 安全的工作场所

- 凡有新的工友到地盘工作,是否有妥善安排,使他们熟识 实际环境。
- 工作场所及通道是否清理妥当及没有阻塞。
- 支架是否有充分的支撑和不会负荷过重。
- 凡可以令人下跌超过2米的楼边或其他地方的边缘,是否 已装设围栏或屏障。
- 楼洞或其他孔穴是否已妥善地围封或盖好。
- 物料是否已安全地存放。
- 木板上突出的铁钉是否已拔去或弄平。
- •黑暗或光线不足的工作地方,是否已设置充足的照明。
- 临时的支架是否已有足够的支柱使它稳固。
- 是否已装设管道将垃圾卸下,避免将垃圾从高处倾倒。
- 是否已将垃圾集中处理和送走。

## 棚架

- 是否已有安全通道上落棚架。
- 所有直杆是否已妥当地竖立及加设底板。
- 棚架是否已稳固地连接著楼宇外墙以防倾塌。
- 棚架是否已有足够支撑令其稳固。
- 在有需要载重的地方,是否已有承重的装置。
- 工作平台是否已用木板密铺。
- 铺面的木板是否没有明显缺陷例如节疤等。
- 是否已做妥工夫使木板不会倾侧或绊脚。
- 强风季节时木板是否已放妥。
- 凡工人可能下跌超过2米的棚架边缘,是否已有足够的围栏 和踢脚板。
- 如果棚架在设计上是可以承托重物的,在负载物料时是否 已将物料平均摆放。
- 未曾搭好的棚架,是否已有有效的围板或警告告示,防止 他人使用。
- 是否已有合资格的人建搭、更改及拆卸棚架。
- 是否已有合资格的人定期检查棚架。



## Introduction

This note is not exhaustive. For further advice on safety and health, please contact the Occupational Safety & Health Branch of the Labour Department, (see backcover).

Our suggested checklist should cover -

- light situation.
- throwing down.

## **2** Scaffolds

This guidance note sets out the main points to consider when you are checking safety and health on your site before carrying out any work. It helps you identify the hazards and assess as well as control the risks.

## **1** Safe place of work

• Arrangements are made to deal with workers new to the site. • Working areas and walkways are level and free from obstructions. • Structures are adequately braced and not overloaded.

 Railings or barriers are provided at all edges to prevent falls, especially when more than 2 m high.

• Openings or holes are securely fenced or covered. • Materials are stored safely.

• Nails in timber are removed or hammered down.

• Adequate lighting is provided for work in the dark or poor

• Props or shores are in place to make structures safe.

Chutes for waste are provided to avoid materials from being

• Waste is collected and disposed of properly.

· Safe access is provided to the scaffold platform.

• All uprights are properly founded and provided with base plates.

• Scaffold is secured to the building by ties to prevent collapse.

• Scaffold is adequately braced to ensure stability.

• Loadbearing fittings are used where required.

• Working platforms are fully boarded.

• Boards are free from obvious defects such as knots.

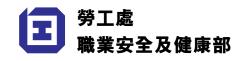
• Arrangements are made to avoid tipping and tripping of boards. • Boards are fixed down in high wind situations or as part of typhoon warning precautions.

• Adequate guard rails and toe boards are provided at every side from which a person could fall 2 m or more.

• Scaffolds are designed and constructed for loading with materials, and the load is evenly distributed.

• Effective barriers or warning notices are provided to stop people from using an incomplete scaffold.

• Scaffold is erected, altered and dismantled by a competent person. • Scaffold is periodically inspected by a competent person.





## 3 梯子

- 梯子是否适宜使用在要进行的工作(应该先考虑使用棚架)。
- 梯子是否在良好的情况和适当地安放以方便上落。
- 梯子是否安放在平实的地面上。
- 梯子是否已安放在结实的支点上。
- 梯子是否固定在某靠近顶部或底部的一点上(只有不可能 固定在顶部时,然后才固定在底部)。
- 梯子的顶部是否最少高出梯子停著的支点平面或最高使用 的梯级1.05米。

## 4 挖掘工程

- 藏于地下的公共设施的位置,是否已经确定及加上标记。
- 是否已采取预防措施,以免影响地下公共设施。
- 是否已采纳安全的方法安装及拆除木板支撑。
- 斜坡或挖坑的倾斜度是否足够以防坑边泥土倾塌
- 是否由合资格的人最少每星期检验临时坑穴的稳固情形一次。
- 进出挖掘场地的通道是否安全可靠。
- 坑穴的边缘是否已有围栏或设置屏障,以防有人堕下。
- 当坑穴有被水淹的危险时,是否已采取预防措施。
- 堆积的物料,废料,或任何机械装置是否已远离临时坑穴。
- 坑穴的边缘是否已放置木挡,以防车辆过度接近。
- 当大雨过后,是否即时抽出坑穴内的积水。

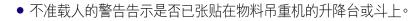
## 临时支架及板模

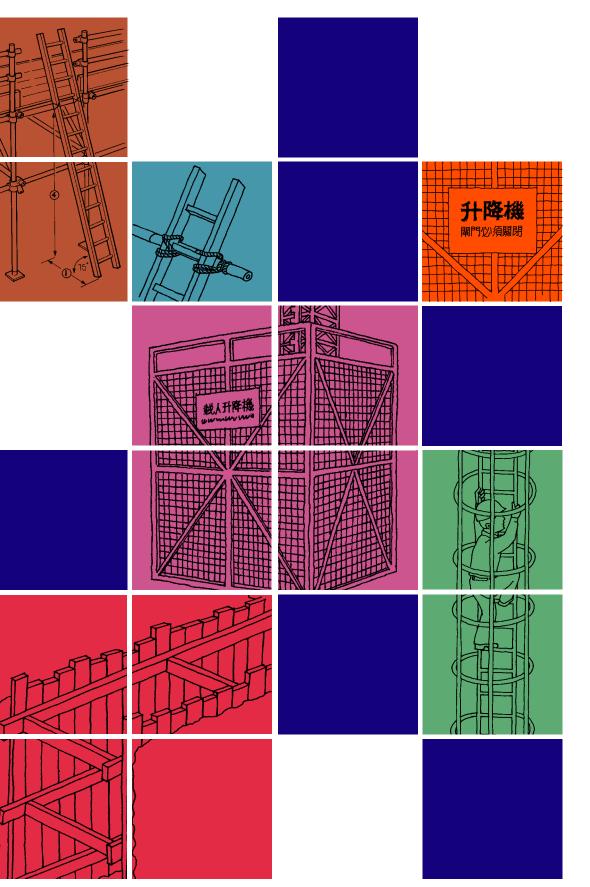
- 是否已检查板模的设计及支撑。
- 临时支架或板模是否已安稳地架设在台阶或适当的平台上。
- 支架及板模的底部和地面情况是否足以承托重物。
- 使用的木板是否状况良好。
- 直撑是否垂直地竖立在底板上和适当地分列。
- 直撑的栓子是否恰当。
- 在准许落水泥前,板模是否已经由合资格的人根据批准的 设计检查妥当。

### 6 吊重机

3

- 吊重机是否已由合资格检验员定期彻底检验。
- 吊重机是否已由合资格的人定期检查。
- 吊重机是否已用稳固的栏栅围封。
- 在所有会停留的楼层包括地面的一层,是否已装设闸门。
- 除吊重机台正停留于某一楼层时,其它闸门是否已经关上。
- 吊重机操作员是否已经接受训练及能够胜任这项工作及已足18岁。
- 是否已清楚地标明吊重机的安全操作负荷。





# **3** Ladders

- Ladders are secured near the top or the bottom (only when fixing at the top is impracticable).
- Ladders are risen at least 1.05 m above their landing place or highest rung used.

# **4** Excavations

- back excavation.

- platforms.

## **6** Hoists

- examiner.

- Safe working loads are clearly marked. • Warning notice is posted on the platform or cage to stop people from riding on skip hoist.

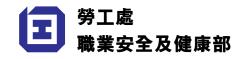
- Ladders are the right equipment for the job (use of scaffold should be considered first).
- Ladders are in good condition and properly positioned for access. • Ladders are placed on firm and level ground.
- Ladders are rested against a solid surface.

- Underground services are located and marked.
- Precautions are taken to avoid underground services.
- A safe method is used for putting in and taking out the timbering. Angle of batter is sufficient to prevent collapse of sloped
- Excavations are examined by a competent person at least once in a week.
- Safe access is made to excavation.
- Railing or barriers are provided to stop people from falling in. • Precautions are taken when there is risk of excavation flooding. • Stacked materials, spoils or plants are placed away from the edge of the excavation.
- Stop blocks are provided at edge of excavation.
- Immediately pump out rainwater after heavy downpour.

## 5 Falsework and formwork

- The design and the supports for formwork have been checked. Falsework or formwork is erected safely from steps or proper
- Bases and ground conditions are adequate for the loads. • Timbers are in good condition.
- Props are plumbed, on level bases and properly set out. • Correct pins are used in the props.
- Formwork is inspected by a competent person against the agreed design before permission is given to pour concrete.

- Hoist is periodically and thoroughly examined by a competent
- Hoist is periodically inspected by a competent person. • Hoist is protected by substantial enclosure.
- Gates are provided at all landings, including ground level.
- Gates are kept shut except when the platform is at the landing. • Operator is trained and competent, and aged 18 or above.





## 7 起重机械及起重装置

- 起重机械及起重装置是否已由合资格检验员定期彻底检验。
- 起重机械及起重装置是否已由合资格的人定期检查。
- 起重机的安全负荷自动显示器是否已由合资格的人最少每 星期检查一次。
- 驾驶员是否已经接受训练、能够胜任这项工作及已足18岁。
- 所有机掣,包括控制杆、手掣、开关掣等,是否已清楚地标明。
- 货物是否已安稳地系妥。
- 是否已清楚地标明起重机的安全操作负荷。
- 起重机械是否在平整的地面上操作。
- 是否有足够的空间以供安全操作。
- 起重机械是否有定期维修保养。
- 起重装置是否处于良好操作状态之中。
- 起重装置是否已经由合资格检验员测试及彻底检验。

## 8 交通及车辆

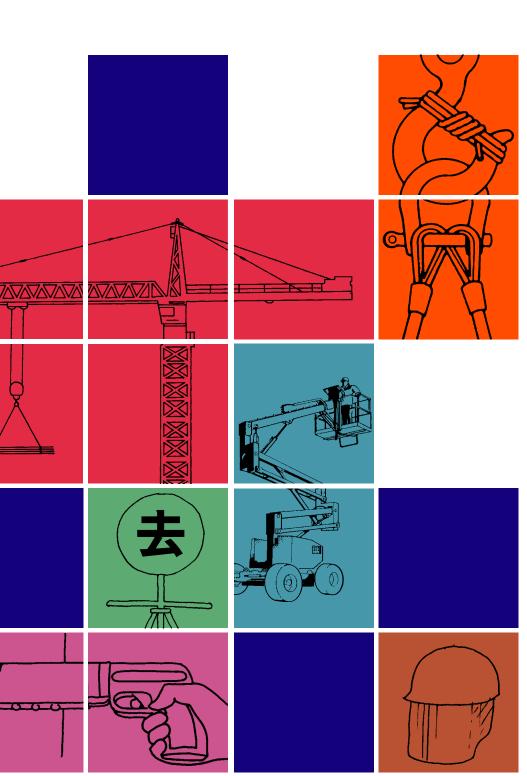
- 地盘之内是否已有分开供行人及车辆进出的地点和道路。
- 司机和操作员是否曾经接受适当的训练。
- 车辆是否有良好的维修。
- 车辆上的货物是否已经稳妥地摆放。
- 地盘内的交通来往是否已有系统地安排以避免产生危险, 包括对行人的危险。
- 车辆退后时是否已有曾受训练的讯号员指挥。
- 确定车身升起的部分是否已有适当承托然后让人进入下面工作。

## 9 工业装置及机械

- 使用的工业装置和机械是否适宜干所做的工作。
- 危险部件是否已经有效地围栏。
- 护罩是否已稳固装上及是否有良好保养。
- 操作员是否已曾受训练及能够胜任。

## 10 枪弹推动打钉工具

- 所有的用具是否已获认可。
- 是否有遵从制造商的指示。
- 操作员是否已足18岁及持有合资格证明书。
- 操作员是否明了使用枪弹推动打钉工具的危险及是否能够 避免走火的情况。
- ・操作员是否已戴上护目镜。
- 工具是否有定期清洁。
- 在不使用时,工具是否放在安全的地方。





- Lifting appliances and lifting gear are periodically and thoroughly examined by a competent examiner.

examiner.

- under.

## **10** Cartridge-operated fixing tools

## **Z** Lifting appliances and lifting gear

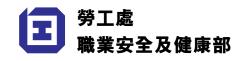
- Lifting appliances and lifting gear are periodically inspected by a competent person.
- Automatic safe load indicator of a crane is inspected by a competent person at least once a week.
- The driver is trained and competent, and attains 18 of age.
- Controls (lever, handles, switches, etc.) are clearly marked.
- The load is secured safely.
- Safe working load is clearly marked.
- Appliances are operated on a firm level base.
- Enough space is provided for safe operation.
- Lifting appliances are regularly maintained.
- Lifting gear is kept in good working order.
- Lifting gear is tested and thoroughly examined by a competent

## 8 Traffic and vehicles

- Separate pedestrian, vehicle access points and routes around the site are provided.
- Drivers and operators are properly trained.
- Vehicles are kept in good working condition.
- Vehicles are securely loaded.
- System to control on-site movements is in place to avoid danger, including to pedestrians.
- Reversing vehicles are controlled by properly trained signaller. Raised bodies of tipping lorries are propped before reaching

## 9 Plant and machinery

- The right plant and machinery are used for the job.
- Dangerous parts are effectively guarded.
- Guards are secured and in good working condition.
- The operator is trained and competent.
- Approved tools are used.
- Manufacturer's instructions are followed.
- The operator attains 18 and holds a certificate of competency.
- The operator is aware of the dangers and able to avoid misfires.
- Goggles are worn by operators.
- Tools are cleaned regularly.
- Tools are kept in a secure place when not in use.





## 11 电力

- 总掣是否已有断路装置。
- 是否已采取特别措施以保护手提电器及工具免于碰撞受损 和不受潮湿环境影响。
- 所有设备、电线和电缆有没有受损的迹象和不受电波影响。
- 接驳电源的插掣是否适当。
- 插掣的接驳是否恰当,好让电线被夹紧而避免地线会被 扯出。
- 架空电缆的电源是否被截断或是否已采取其他预防措施, 以避免起重机、升起车斗的货车、或棚架等触碰电缆或 引起电弧。
- 藏在地下的电缆是否已经确定位置及加上标记。
- 有需要时,是否已采用工作许可证制度以确保安全。

## 12 火

## 12.1 一般情况下

- 是否有足够数量和合适的灭火筒。
- 是否有足够和清晰的走火通道。
- 工人是否知道在紧急时如何应变。

## 12.2 易燃液体

- 是否有适当的储存地方。
- 是否已将储存量减至最低。
- 是否已将火源远离存放易燃液体的地方。
- 是否已使用安全和适当的容器。

## 12.3 压缩气樽

- 气樽是否已适当地存放。
- 气阀是否在气樽不使用时关上。

## 12.4 其他易燃物料

- 是否将数量减至最少。
- 是否已备有适当的废料箱。
- ●是否定期将废料移走。

### 13 噪音

- 是否已评估噪音的危害。
- 是否已在高噪音的装置或机械装上灭音器。
- 工友是否已戴上认可听觉保护器。



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**—** 

TOXIC



- - being pulled out.

  - ensure safety.

# 12 Fire

## 12.1 General

## 13 Noise



• Trip devices are provided for main voltage.

• Special measures are taken to protect portable electric tools and equipment from mechanical damage and wet conditions. • Signs of damage to or interference with equipment, wires and cables are not present.

• All connections to power points are made by the correct plugs. • Connections to plugs are properly made so that the cable grip holds the cable firmly and prevents the earth wire from

• Electricity supply of overhead electric lines is turned off or other precautions are taken to prevent anything (cranes, tipper lorries, scaffolding, etc.) from touching the lines or causing arcing. • Underground electricity cables are located and marked.

• 'Permit-to-work' procedures are available where necessary to

• Right number and type of fire extinguishers are provided. • Adequate and clear escape routes are provided. • Workers know what to do in an emergency.

## 12.2 Flammable liquids

• Proper storage area is provided.

• The amount on site is kept to a minimum.

Ignition sources are kept away from flammable liquids.

• Properly constructed safety containers are used.

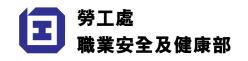
## 12.3 Compressed gas cylinders

• Cylinders are properly stored. • Cylinder valve is fully closed when the cylinder is not in use.

## 12.4 Other combustible material

• The amount on site is kept to a minimum. • Proper waste bins are provided. • Waste material is removed regularly.

 Assessment of noise risks has been carried out. • Noisy plant and machinery are fitted with silencers. Approved ear protectors are worn by workers.





#### 14 健康

- 是否已将危险物质可能引致的风险确认和加以评定。
- 是否已将危险物质代以较安全的物质。
- 是否已尽量减少工友接触危害,而不是首先考虑使用个人 防护设备。
- 是否已经取得供应商的安全资料。
- 是否已设置及使用安全设备。
- 未受保护的工友是否已离开危险范围。
- 在密闭空间内,是否已经测试空气的成分及是否已有供给 新鲜空气。
- 是否已经制订紧急程序,以拯救可能在密闭空间内遇事的 工友。

#### 15 人力提举

- 是否已尽量避免人力提举以减少受伤的可能。
- 如果人力提举是不可避免时,是否已评估风险及设法减低 风险。

### 16 个人防护设备

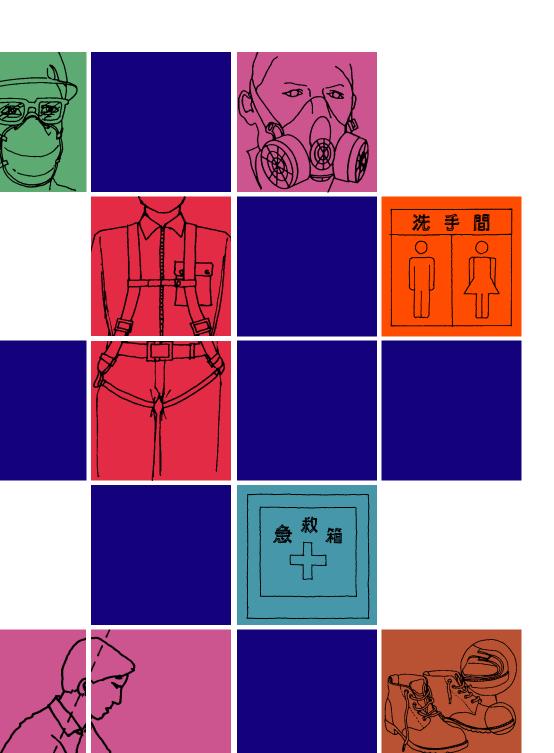
- 在有需要时,是否已提供合适的个人防护设备以保护 工友。
- 工友是否有戴卜个人防护设备。

### 17 福利设施

- 是否已有独立和适当的厕所供男女工友使用。
- 是否已有清洁的洗手盆、热/温水、肥皂和毛巾以供使用。
- 在潮湿、肮脏或恶劣的环境下工作的工友是否有适当的 工作服。
- 是否有设施供更换、弄乾和储放衣服。
- 是否有遮荫的地方和供膳设施。
- 是否已提供饮用水。
- 是否已有急救箱。

### 18 对公众的危险

- 是否已经确认所有可能构成地盘以外公众人士的危害。
- 地盘四周是否已经围好,以防公众人士误闯地盘。



public.



## 14 Health

- The risks of all hazardous substances have been identified and assessed.
- Hazardous substances are substituted by safer substances. • Exposure is controlled other than by using protective equipment.
- Safety information sheets are available from the supplier. • Safety equipment is provided and used.
- Workers who are not protected are kept out of danger areas. • The atmosphere has been tested and a fresh air supply has been provided in confined spaces.
- Emergency procedures are in place for rescue from the confined space.

## 15 Manual handling

• Manual handling which may create risk of injury is avoided. • Risks have been assessed and reduced if manual handling cannot be avoided.

## **16** Personal protective equipment

• Suitable equipment is provided to protect the head, eyes, hands and feet of workers where appropriate. • Protective equipment is worn by workers.

## **17** Welfare

- Suitable toilets have been provided for both sexes.
- Clean wash basin, hot/warm water, soap and towel are provided. • Suitable clothing is provided for those who have to work in wet, dirty or otherwise adverse conditions.
- Facilities for changing, drying and storing clothes are provided. Shelter and facilities for meals are provided.
- Drinking water is provided.
- First aid box is provided.

## **18** Risks to the public

• All risks to members of the public off site have been identified. • Adequate site perimeter fencing is provided to keep out the