

Guidelines – Arc Welding & Gas Cutting

PCFC- Entity (Business Unit) Name	:	Trakhees (Dept. of Planning & Development)
Department Name	:	Civil Engineering Department (CED)
Section Name	:	Inspection & Compliance (Construction Safety)
Document Reference Number	:	PCFC-TRK-CED-CS-G11
Revision Number	:	02
Revision Date	:	January 2019
Classification	:	Public

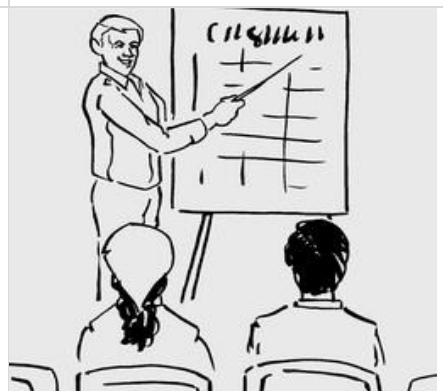
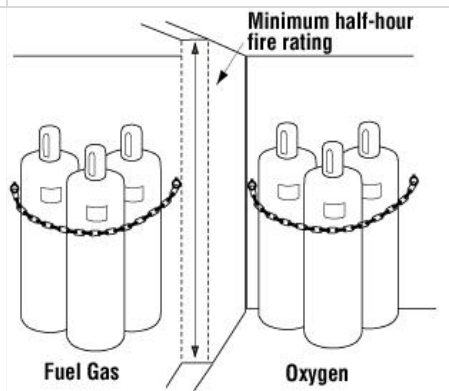
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WELDING MACHINE
<ul style="list-style-type: none"> Select correct welding machine & rod suitable for metal welded Ensure all the connections are made by certified electrician Ensure the cable routes are free from fall/ trip/slip hazards Authorise the competent person to operate this machine Ensure permit systems are followed in each work shift.

WELDING ROD & HOLDER
<ul style="list-style-type: none"> Do not bend the welding electrode Ensure the holder is properly insulated Ensure the cable from holder to machine is free from damages Do not keep the electrode in holder when not in use. Ensure Suitable fume extraction is done

GAS CUTTING
<ul style="list-style-type: none"> Gas cutting allowed only by using oxygen and acetylene industrial cylinders with proper flash proof systems. Select red colour hose for acetylene cylinders and green colour for oxygen. Maintain the gauges in working condition Ensure the hoses are clamped properly.



CYLINDER TROLLEYS
<ul style="list-style-type: none"> The Gas cylinders never be allowed without proper trolleys while at task. Trolleys are only for ground movement and not for lifting. (unless it is designed for lifting and certified) Gas cylinders must be available with the same slab where job is done Keep the combustible materials and flammable materials away Gas opening and closing cylinder key must be available in trolley Condition of trolley and wheels must be checked regularly.

CYLINDER STORAGE
<ul style="list-style-type: none"> Gas cylinders must be stored in well-ventilated & shaded area Minimum 6m distance shall be maintained from other flammable cylinders or combustible materials. Valve caps and chains shall be used to secure cylinders Full and empty cylinders shall be stored separately Ensure the ground / floor is free from corrosion / dampness

TRAINING & USE
<ul style="list-style-type: none"> Specific training must be given to all persons involved in arc welding and gas cutting Only competent and certified personnel should be engaged. No such works allowed to perform without permits Fire watcher / fire marshal must be engaged for these activity PTW systems should be issued and followed very specific to the activity and location.