



Weld India 2017
December 07-09, 2017
Chennai, INDIA

MANDATORY SAFETY PRECAUTIONS FOR LIVE DEMO - WELD INDIA 2017

ELECTRICAL SAFETY GUIDELINES

- » All Wiring should be under wooden platform
- » MCB to be installed for each connection
- » All electrical installation work from source of supply at the exhibition must be carried out solely by the Organiser's official contractor.
- » Exhibitors requiring different voltages, stabilisers, frequency or special connections to equipment should arrange for their own transformers, converters, boosters etc and keep the Organiser / Event Manager informed.
- » All electrical equipment and connection downstream from Organiser's supply should be tested and appropriately grounded and approved by the Organisers / Event Manager's licensed electrician
- » All plugs and extension leads must be free from damage and defect.
- » Wiring circuits must comply with local wiring regulations.
- » The Organiser's / Event Manager's reserve the right to withhold connection of power to a booth or to shut off power to a booth which is not compliant with electrical safety requirements.
- » Temporary electric devices shall be under regular supervision of an appointed skilled technician
- » The exhibitor shall provide the Organiser / Event Manager the booth design and layout, the respective electrical circuits, the material, the power demand of the appliances and the purpose of the sockets shall be given.
- » In the course of the installation and alignment of machinery and equipment the Exhibitor is fully liable for ensuring the safety of the installation
- » All electrical work including testing and inspection must be undertaken by qualified electricians who are competent to do the work.
- » Circuits must be protected from overload, short circuit or earth fault with adequate correctly rated fuses or circuit breakers.
- » All electrical circuits must be properly earthed.
- » Electrical circuits must be properly insulated. There must be no exposure of live cables or live surfaces.

Fire Safety Regulations

- » Any breach of the regulations of fire protection that cannot be remedied by one's own means and action, shall be immediately notified to a member of the fire department or to a fire sentry. It is also necessary to notify violations of the fire protection regulations if they endanger fire safety, regardless of whether they have been caused by an unknown perpetrator
- » During the exhibition events fire sentries are on watch, checking the conditions of compliance with the valid fire protection regulations. Exhibitors are obliged to allow them access to all rooms.
- » All exits from the facility shall be freely accessible
- » The head of the fire protection department is entitled to order technical or logistic measures for ensuring fire protection.
- » It is prohibited to smoke and to handle open fire within the halls.
- » Welding, flame cutting, welding-on, thermal separating etc. may be executed only by persons authorised to do so.
- » If the heaters are installed on tables, shelves etc. that are flammable or can burn, though not easily, they shall be supported by an incombustible heat insulating plate,
- » No device or attachment facilitating or permitting mixtures of air or oxygen with flammable gases prior to consumption, except at the burner or in a standard torch, shall be allowed unless approved for the purpose.
- » Only approved apparatus such as torches, regulators or pressure-reducing valves, acetylene generators and manifolds shall be used.
- » Workmen in charge of the oxygen or fuel-gas supply equipment, including generators, and oxygen or fuel-gas distribution piping systems shall be instructed and judged competent by their employers for this important work before being left in charge.
- » Cylinder valves when idle and empty cylinders shall have their valves closed.
- » Valve protection caps, where cylinder is designed to accept a cap, shall always be in place, hand-tight, except when cylinders are in use or connected for use.
- » All cylinders to be fitted with Flash Back Arrestor

Live Demo Regulations

- » Exhibitors shall see that visitors to the exhibition adjacent to the welding areas are protected from the radiant energy and spatter of welding and cutting by non-combustible or flame resistant screens or shields.
- » The radiant transmission of window or curtain material shall be equivalent to that in ANSI Z87 for shade number appropriate to the cutting or welding operation.
- » Welding tables should be of flame resistant material like corrugated aluminium sheet
- » Any demo where fumes are produced will have to compulsorily have a fume extractor
- » Additionally suitable arrangements must be provided to prevent direct viewing of the arc without filter protection and to protect visitors from sparks and chipped slag
- » Exhibitors shall have portable fire extinguishers of appropriate size and shape
- » Exhibitors shall ensure that combustible materials in the booth is shielded from flames, sparks and molten metal
- » Exhibitors shall ensure that the public shall be shielded from flames, flying sparks and molten metal
- » Exhibitors shall ensure that the public is shielded from harmful ultraviolet, infrared and other magnetic radiation
- » Shielding shall protect direct viewers and passerby
- » Exhibitors shall ensure that visitors and other exhibitors are protected from inhalation of hazardous concentrations of fumes and gases
- » Exhibitors shall ensure that visitors and other exhibitors are protected from live electrical parts