

1.7.4. Electrical Risks

Electrical energy has an important place in human life. But why is the realization of a large proportion of accidents at work besides. In our country are a significant part of the electric current induced electric shock from occupational accidents occur each year.

Electrical risks are more prevalent in all sectors, especially in the metal industry üretimdağıt power plant Although seen.

Electrical studies on risk factors;

- control of electrical installations, be done by people with vocational training and maintenance of document,
- ungrounded or to the absence of the necessary insulation of machines and appliances of bare metal,
- Ground made fancied tools or machines, deterioration of the external factors over time or as a result of the grounding,
- appropriate PPE to employees and not giving them enough or is not used,
- Occupational health and safety issues to employees not be given the necessary training or disobey the rules of the employees to be at work,
- necessary training of employees about electrical risks, lack of knowledge and experience, not their overconfidence and they show the necessary attention and care towards electricity,
- Employees required receiving instructions from outside electricity or tasks
The failure to intervene,
- The presence of nicks in the cable through which the electric current

as it can be listed.

The most serious damage is induced electric shock from electric current. The most important factor of electrical shock; current strength, electrical contact structure, the condition of the affected limb, the flow path body is voltage and current source that follow. Even a heart attack can cause serious burns or even from a simple tingling electric current. Usually the remaining body exposed to low voltage shock, the high voltage occurs in the body exposed to severe burns.

It is also important path of the electrical current in the body. The most dangerous left hand out of the chest or the arm link, that is, pass through the heart. The current passing through the heart, the heart is not stopped even cause an interruption of work and irregular blood circulation. In this case, cerebral palsy, partial paralysis, can cause plant life or death.

Measures to be taken against electrical hazards include:

- Laboratory, workshop, machinery and equipment used in places such as factories and stop device must be individually switch that can stop the entire assembly.
- front of electrical panels penetration of the side prevents the material to be Should not be released.
- to plug the device to be used in places of power tools should be no proper outlet (earthed socket). Where there is no cut outlet plugs should be inserted into appropriate cables (grounding) extension cable may be used.
- On-off switch of the device must be repaired deteriorated. Key must be disabled.
- Electrical cables must be regularly appointed, exposed wire should not be taken, broken sockets and plugs should be replaced with a new, fuses should be kept in closed cabinets.