**Procedure certification & inspection of cutting sets, trolley, safety belt, portable ladder**

Objective                 Certification & Inspection for safe working

Scope                      Power plant

Responsibility   Engineer In charge and workmen at the job, Contractors

PPEs to be used Helmet, Safety shoes, hand gloves

Work No 1         :            Certification of cutting sets

Work No:2         :            Certification of trolley

Work No:3         :            Certification of safety belt

Work No 4         :           Certification of Portable Ladder

Aspect- Impact

Fumes generation Air pollution

Gas leakage Air pollution

Hazards identified

Mechanical Hazard - Fall of cylinders, regulator, torches, trolley, ladder, crush, cut from handling of trolley, ladder while inspection.

W**ork No 1                  :           Certification of cutting sets**

General guidelines for certification of cutting sets

All cutting set hoses (Both Oxygen and Acetylene) must be 25 mtr in length. However one joint each is allowed on each hose properly clamped with “Jublee" clamps.

Both oxygen and acetylene cylinder hoses must be tied together at 2 m each length.

Cutting set hoses should not have any apparent cuts in the hoses and should be in good condition.

Cutting set should be provided with working regulator with double gauges and flash back arrestor on both oxygen and Dissolved acetylene line.

Cutting set nozzles should be of good condition (Nozzle holes not enlarged) and with proper knob for adjusting the flow.

Procedure for cutting set inspection.

Carry out certification and inspection of the cutting set as per the general guidelines given above.

Check the leakage cutting set and check proper functioning of the gauges, torch etc.

Certify the cutting set by sticking new label with renewed dates if the cutting set is as per our requirements and duly signed by the engineer in-charge.

 If the cutting set is not as per requirement, request the concerned to remove the cutting set from the service until the same is complied with safety requirements.

Inspection to be carried out at every 2-month.

Any uncertified cutting set is found in bad condition it will be viewed. It is the responsibility of the user to rectify the problem immediately.

Register to be maintained with status of cutting sets certified.

W**ork No 2                 :           Certification of Trolley**

General guidelines for certification of Trolley:

Inspect for any damage in body/structure of trolley.

Inspect for wheel freeness, safety lock, tyre damage, wheel pin and its locking arrangement with trolley.

Check for chain locking arrangement for cylinders/ Material in trolley.

Certification tag to be fixed separately on trolley for its fitness.

**Work No 3       :    Certification of safety belt/Harness**

Check the belt/harness lock for good locking.

Check hanging lock at the belt for any damage.

No external damage is allowed in rope.

Check hanging X joint”

No alteration in belt is allowed.

Identification tag to be fixed on each belt.

W**ork No 4                :           Certification of Portable Ladder**

General guidelines for certification of Portable Ladder:

Ladder Should be free from bends and cracks in its side rail, rung/steps.

Ladder should have safety feets/rubber pads for preventing slipping while it is supported on Wall or structure and ground surface.

Ladder rungs should not be loose or one should not be able to remove it easily from hand.

Loose or protruding nails, screws, bolts, rivets or other metal parts.

Ladder should be free of corrosion, oil, mud, etc.

Certification tag should be applied on ladder post fitness inspection,