



## SS FIRE ENGINEERS

### SOP: Safety for working at height

#### **Purpose:-**

The purpose of this procedure is to provide guidelines for safety for working at height & to prevent serious accidents caused from falling.

#### **Scope:-**

This procedure is applicable to all employees of SS Fire Engineers, working inside the factory site or outside site.

#### **Points of Operation:-**

- A. Following Safety precautions must be taken by the workers / operators while working for Construction operation –
- 1) For each construction operation, it is to be confirmed in advance that routes / methods for moving to high-places sites are safe (including the condition of steps, landings, floor plates, etc.
  - 2) For carrying out confirmation in advance, decisions are also to be made about “use of safety belts”, “installation of main ropes / safety nets / scaffolds in advance”, etc.
  - 3) Before start of work safety officer (on job) to conduct safety patrol to ensure all safety measures are on its place.
  - 4) Workers to work on the basis of a construction plan that has been created in advance.
  - 5) Workers to start the work after mutual checking that there are not abnormalities with PPEs or with the fitting of safety belts.
- B. Use of Safety belts –
- 1) Safety belts are mandatory to be used when working on height of 2 meter or above. Including floor surface openings with no fence, cover, etc.
  - 2) In high places, not only when working, but also when temporarily detaching, safety belt hooks cannot be avoided (such as when moving around or attaching / removing main ropes) falls are prevented by always keeping safety belts tied to another rope or to a safety block that is attached to something that is fixed in place.
  - 3) Safety belts are also be used when ascending and descending using movable ladders and vertical ladders.
  - 4) Workers to use double hook safety belts when moving around. (Double hook harness type safety belts are recommended).



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5) For working on roof top where there is a possibility of someone putting a foot through something (such as a on slate roof, or a roof with skylight) there not only safety belts to be used, but that there is to be combined use of "safety belts + foot boards" or "safety belts + safety nets".

C. Workers shall not be allowed to work outside in high places in bad weather.

D. Safety awareness training to be given to everyone involved in the construction work and the training & education records to be maintained.

#### **Applicable PPEs:-**

Safety belts, Safety nets, Safety shoes, etc.

#### **Occupational Health Impact:-**

1. Personal injury due fall from height, can be fatal.
2. Injuries to different parts of body.

#### **Corrective actions in case of deviations:-**

1. The workers / operators should be trained for onsite emergency preparedness.
2. Safety awareness training to be given to everyone involved in the construction work.

Prepared By	Approved By
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#### **Purpose:-**

The purpose of this procedure is to provide guidelines for General safety & and use of PPEs.

#### **Scope:-**

This procedure is applicable to all SS Fire Engineers employees.

#### **Points of Operation:-**

Following Safety precautions must be taken by the operators while working –

- 1) Use safety shoes, helmet & apron while working at site.
- 2) Use nose masks where the dust, smoke, fumes are generated.
- 3) Use ear plugs where the noise level is high.
- 4) Use goggles where the flames and heavy dust is generated.

#### **Applicable PPEs:-**

Following area-wise safety equipments are to be used by the operators

<b>Sr.</b>	<b>Location</b>	<b>Safety Equipment Used</b>
01	Civil construction area	Helmet, Safety Shoes, Hand gloves
02	Fabrication area	Safety Shoes, Hand gloves, Goggles, nose mask
06	Others	Safety Shoes, Hand gloves, Ear Plugs



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