

Project Title: Electrical Safety Uniform and equipment's.

Objectives: The main objectives of this project are:

1. To ensure worker safety in the working place.
2. To keep the workers up to date with best safety tools and practices.
3. To educate workers about the proper protection requirement in hazardous workspace.

Apparatus:

1. Safety footwear
2. Safety belt
3. Safety glasses
4. Safety helmet
5. Protective gloves
6. Mask
7. Visibility vest
8. Fire extinguisher

Project Picture:



Equipment details:

1. Safety footwear: These footwears provide a secondary source of protection for you from electric shocks or electrocution. They also provide a protective reinforcement in the toe which protects the foot from falling objects or compression, burns, cuts, punctures and impact.
2. Safety belt: A safety belt is a device that is worn around a person's waist to serve as a direct connection point to a lifeline or elevated structure. It is worn to arrest a fall and protect a worker from a sudden descent and associated hazards when working at an elevated height.
3. Safety glasses: Safety glasses are intended to shield the wearer's eyes from impact hazards such as flying fragments, objects, large chips, and particles. Glasses or goggles fit the face immediately surrounding the eyes and form a protective seal around the eyes. This prevents objects from entering under or around the goggles.
4. Safety helmet: Safety helmets are personal protective equipment designed to protect the upper part of workers' heads from falling or flying objects, impact, burns and electrical hazards. In the construction and mining industries, workers must be equipped with safety helmets. Helmets are designed to resist perforation, water and fire.
5. Protective gloves: Protective gloves are needed to prevent injuries to the hands and to comply with the hazard prevention hierarchy.
6. Mask: This is used to avoid any direct contact with unknown gas, smog and smokes that may be an impedance in the working process.
7. Visibility vest: High-visibility vest is any clothing worn that is highly luminescent in its natural matt property or a color that is easily discernible from any background. Most industrial employers require it as a type of personal protective equipment (PPE).
8. Fire extinguisher: A fire extinguisher is an active fire protection device used to extinguish or control small fires, often in emergency situations. It is not intended for use on an out-of-control fire, such as one which has reached the ceiling, endangers the user (i.e., no escape route, smoke, explosion hazard, etc.), or otherwise requires the expertise of a fire brigade. They can be categorized as ABC, whereas,
 - I. Class A is for trash, wood, and paper
 - II. Class B is for liquids and gases
 - III. Class C is for energized electrical sources

Result: Unfortunately, no physical usage was done using these equipment's.

Bill of materials:

Bill of Materials

Date: March 03,2020.

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SL. No.	Date	Voucher	Name	Description	Quantity	Rate in BDT	Cost in BDT	Comments
1	15-02-2020		Safety footwear	These footwears provide a secondary source of protection for you from electric shocks or electrocution.	1 no.	600	600	A pair of safety footwear/boots were bought.
2	15-02-2020		Safety belt	A safety harness is a form of protective equipment designed to protect a person, animal, or object from injury or damage. The harness is an attachment between a stationary and non-stationary object and is usually fabricated from rope, cable or webbing and locking hardware.	1 no.	450	430	Taka 20 was discounted due to buying many items.
3	15-02-2020		Safety glasses	These glasses reduce the chances of an accidental electrical discharge and helps to minimize injury during an electrical accident.	1 no.	50	50	DEWALT Clear Anti-Fog Protective Safety Glasses were bought.
4	15-02-2020		Safety helmet	Safety helmets are designed for protection against accidental falls and protection from falling objects and additional protection from overhead live wires while working on live lines.	1 no.	200	200	A Yellow helmet for general laborer's or earth-moving operators were bought.

5	15-02-2020		Protective gloves	These gloves offer personal hand protection for workers against electrical shocks when working near or on live wires, cables and electrical equipment	1 no.	100	100	A pair of black gloves for protection of the hands while performing tasks involving chemicals and electrical was bought.
6	15-02-2020		Mask	This is used to avoid any direct contact with unknown gas, smog's and smokes that may be an impedance in the working process	1 no.	50	50	A safety mask was bought.
7	15-02-2020		Visibility vest	High-visibility vest is any clothing worn that is highly luminescent in its natural matt property or a color that is easily discernible from any background.	1 no.	400	400	A High visibility vest of orange color was brought.
8	17-02-2020		Fire extinguisher	A fire extinguisher is an active fire protection device used to extinguish or control small fires, often in emergency situations.	1 no.	700	700	
9	24-02-2020		Saddle nail clip		50 nos.	1	40	Taka 10 was discounted due to buying many items.
Total cost=							2570	

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