

Personal Protective Equipment (PPE) Policy



1.0 PPE Policy Requirement

PPE is the last “Layer of Defence” and is a hard “physical barrier” between the Asset Facing Personnel and the work-front hazard. This umbrella-policy has been framed to sustain focus on diligently safeguarding this Layer of Defence and to prevent injuries to the personnel. Cognizance of the prevailing regulations and industry best practices have been taken. This Policy is intended to be the “staging” document for management of PPEs, creating implementation framework and providing assurance for the integrity of this vital layer of defence. This policy shall be reviewed at least once in three years.

2.0 Policy Objectives

This policy has the following objectives:

- To demonstrate leadership commitment in sustaining and continually enhancing the PPE usage culture.
- To ensure job specific PPE usage in workplace through hazard identification and risk assessment.
- To ensure effective management of PPEs and their availability.
- To create awareness on the importance of PPEs for various workplace activities and uses through trainings.
- To drive PPE conformance culture and prevent injuries due to inadequacies.

3.0 Applicability

- This policy is applicable across all locations of NRL.
- This policy applies to all company employees, contract employees, contractor personnel, consultants, visitors, apprentices, trainee students, and any other individuals who either visit or work in all locations of NRL.

4.0 Categorization of PPEs

To encourage and continually enhance a positive PPE usage culture, NRL has grouped the PPEs in following categories:

PPE category	Definition	Usage Area	PPEs
Basic Mandatory PPEs (BMPPE)	Those PPEs which must be compulsorily worn on person, if a person is merely present in or walking through operational area	a. Entire operational area of NRL Refinery i.e. area beyond second gate. b. All operational areas of NRMT and SMT. c. Any other operational location of NRL	a. Safety Shoe b. Safety Helmet c. Coverall (Single Piece)
Job Specific Mandatory PPEs (JSPMPE)	Those PPEs (in addition or in lieu of the BMPPE), which must be worn while being engaged in work execution either in operational or non-operational area. They may vary based on the hazards of the work being executed.	All operational and non-operational area where work is being executed.	All PPEs as identified in SOP, MSDS, work permit, HIRA and JSA in addition to or in lieu of the BMPPE.

5.0 Implementation Framework

To achieve the policy objectives, key aspects of PPE Management shall be effectively addressed through a set of Guidelines which are listed in **Annexure-A**.

These Guidelines shall be reviewed, updated, and re-issued at least once in three years along with the revision of this policy or whenever there are changes in requirements. Head of Corporate HSE is authorized to issue these guidelines. The Guidelines shall outline the responsibilities for ensuring compliance with the requirements. The designated personnel and departments must consistently demonstrate their adherence to these guidelines.

Annexure-A

Sl No	Guideline Title	Objective of the Guideline
1	Issuance and Management of BMPPE and JSPMPE to employees & workers	a. To identify and list those PPEs which shall be issued to employees and workers. b. To specify the periodicity of issue. c. To describe the process of issue of the BMPPE & JSPMPE.
2	JSPMPE Requirement for Various Activities	a. To identify and list those activities which require PPEs in addition to the BMPPEs. b. To identify the additional (or in lieu of) PPEs required for each activity.
3	Master list of PPE Specifications	a. To maintain consolidated list of authentic specifications of all categories of PPEs. b. To ensure procurement as per the listed authentic specifications.
4	Roles and responsibilities in PPE usage conformance	a. To specify the responsibilities of different role holders in ensuring PPE usage conformance.
5	Guideline for PPE usage training	a. To specify the actions for increasing PPE awareness. b. To list out different type of PPEs and their applications.

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PPE POLICY IMPLEMENTATION GUIDELINE	
Location: All NRL Locations	Guideline No.: CHSE-PPE-1
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ISSUANCE AND MANAGEMENT OF BMPPE AND JSMPPE TO EMPLOYEES & WORKERS	



Objective	a. To identify and list those PPEs which shall be issued to employees and workers. b. To specify the periodicity of issue. c. To describe the process of issue of the BMPPE and JSMPPE.
Responsibility for compliance	Fire & Safety, Area In-Charge and Executors
Important Notes	a. Individual (employee and contract employees) to whom PPEs are issued, is responsible for usage compliance and safe upkeepment of the issued PPEs.

PPE Issuance

Basic Mandatory PPEs (BMPPE)

The basic mandatory PPEs, namely Safety Shoe, Safety Helmet and Coverall (Single Piece) shall be of different colour code for employee and AMC workers.

It is proposed to adopt the following guidelines for issuing Basic Mandatory PPEs (BMPPE):

Basic Mandatory PPEs (BMPPE)				
PPE	Employees		AMC Workers	
	Qty. per calendar Year	Colour	Qty. per calendar Year	Colour
Safety Shoe	01 Pair	Black	01 Pair	Brown/Black
Safety Helmet	01 No.	White	01 No.	Blue
Coverall (Single Piece)- Cotton coverall / IFR Coverall	02 Nos.	Blue	02 Nos.	Green

Job Specific Mandatory PPEs (JSMPPE)

These PPEs are to be mandatorily used for specific jobs in addition to (or in lieu of) basic mandatory PPEs irrespective of operational or non-operational area. The requirement for these PPEs should be determined through SOP, MSDS, Work Permit, Hazard Identification and Risk Assessment (HIRA) and Job Safety Analysis (JSA) of the task. The issuance of JSMPPE will be executed in accordance with the guidelines outlined in PPE Management.

PPE Management

1. Fire & Safety shall issue both basic BMPPE and JSMPPE to all NRL employees. Issue of BMPPE will be as per criteria mentioned under PPE issuance. Issue of JSMPPE will be based on job requirement as per recommendation of EICs /HOD.
2. Fire & Safety will only issue Basic Mandatory PPEs (BMPPE) to AMC workers on request of EIC as per criteria mentioned under PPE issuance. Issue of BMPPE to AMC workers on Chargeable or Free issue basis, will be decided by respective EIC as per provision of the contracts. MR for mandatory BMPPE against the requirement for AMC workers will be countersigned by the respective EIC.
3. Requirements of JSMPPE for AMC workers is to be met by respective EICs as per provision of the contract. However, executor and Fire & Safety to ensure usage and conformance of standard specification. Only genuine and latest IS specification of PPEs (with additional criteria of NRL, if any) shall be allowed. If IS specification is unavailable for a specific PPE, an appropriate international specification shall be identified, and after approval from NRL it can be used.

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ISSUANCE AND MANAGEMENT OF BMPPE AND JSMPPE TO EMPLOYEES & WORKERS	



4. For JSMPPE for NRL employees, Fire & safety will maintain adequate stock as listed in **Annexure I**.
5. F&S will also keep record of distributed BMPPE to individual employees and AMC workers.
6. If the safety shoe or helmet gets damaged or lost, new items will be issued on approval of the respective EICs /HOD.
7. The specified colour of the BMPPE to be followed for all employees and AMC workers as mentioned above.
8. Colour of coverall for firefighters should be different or Orange for easy identification in case of emergency. Adequate stock of such coveralls to be maintained. The colour code of boiler suit used by CISF should be same as Fire & Safety.
9. AMC medical service personnel of Occupational Health Centre shall wear Safety shoes, Helmet and white apron for entering refinery second gate. However, they will wear single piece coverall with 'medical' sign (in lieu of apron) for entry into operational area.
10. BMPPE shall be used by drivers and helpers engaged in loading and unloading of hazardous chemicals in operational area.
11. The POL tank truck drivers and helpers shall wear safety shoe, safety helmet and uniform/ boiler suit (of respective of Oil Marketing Companies) to enter into operational area.
12. For visitors coming for limited period duster coat option (in lieu of coverall) will be available. Fire & safety to maintain adequate quantity of duster coats and safety helmets for the visitors.
13. F&S will arrange BMPPE & JSMPPE for all apprentices and T&D department shall ensure BMPPEs for trainee students.
14. Concerned function or department shall ensure PPE compliance for consultants and service engineers as per NRL PPE Policy.
15. For project workers and one-time workers, concerned EIC shall ensure BMPPE and JSMPPE compliance during job execution.

Annexure I: List of PPEs to be maintained by Fire & Safety at respective locations

Head Protection: Safety Helmet.

Body Protection: Cotton Boiler Suit, Inherent Fire Retardant (IFR) Boiler Suit, Electrical Arc Protection Suit.

Eye Protection: Safety spectacles.

Ear Protection: Earmuff or Ear Plug.

Face Protection: Face Shield.

Hand Protection: Hand Gloves.

Foot Protection: Safety Shoes.

Fall Protection: Full Body Harness, Lifeline, Lanyard, Connectors and Anchorage points.

Respiratory Protection: Mask, Self-Contained Breathing Apparatus.

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PPE POLICY IMPLEMENTATION GUIDELINE	
Location: All NRL Locations	Guideline No.:CHSE-PPE-2
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JSMPE REQUIREMENT FOR VARIOUS ACTIVITIES	



Objective	<p>a. To identify and list those activities which require PPEs in addition to the BMPPEs.</p> <p>b. To identify the additional (or in lieu of) PPEs required for each activity.</p>
Responsibility for compliance	Activity execution Departments
Important Notes	<p>a. The specified PPEs are minimum requirements. However, in every case additional hazard and risk are to be assessed and suitable additional PPEs shall be used.</p> <p>b. For any activity not identified in the list, PPE requirements shall be determined on the basis of Job Safety Analysis (JSA).</p>

SI No	Activity	JSMPE
1	Walk around in the Plant Area	<ul style="list-style-type: none"> Safety goggles Ear Muffs or Ear Plugs (High noise area)
2	Burners removal, installation in Furnaces (or in any Direct Fired Equipment)	<ul style="list-style-type: none"> Earmuffs or Ear Plugs Helmet with face Shield Heat Resistance and or Cut Resistance Hand Gloves
3	Observing of Fire box flames (or any direct fired equipment)	<ul style="list-style-type: none"> Earmuffs or Ear Plugs Helmet with face Shield or furnace goggles
4	Hot Liquid Sampling	<ul style="list-style-type: none"> Helmet with face Shield Heat Resistance Hand Gloves Hot liquid splash protection suit
5	Toxic material sampling e.g. Sour water/Recycle gas/H ₂ S etc.	<ul style="list-style-type: none"> Respiratory protective devices
6	Chemicals storage, dispensing, pumping and other handling operations	<ul style="list-style-type: none"> Additional PPE as per respective MSDS Chemical hand Gloves Helmet With face Shield
7	Fresh caustic, spent caustic and other chemical vessels or equipment purging, steaming, venting, draining operations	<ul style="list-style-type: none"> Helmet with face Shield Respiratory protective devices Chemical gloves
	Powder catalyst handling	<ul style="list-style-type: none"> Safety goggles (Clear – Plain goggles) Dust Mask Additional PPE as per respective MSDS
	Walk around in the Plant Area except and declared High Noise Areas	<ul style="list-style-type: none"> Safety goggles
	Tightening of any joints on piping system, column, exchanger, and vessel. Declared high noise area. (While equipment in service)	<ul style="list-style-type: none"> Safety goggles (Clear – Plain goggles) Earmuffs or Ear Plugs Helmet With face Shield In case of chemical service: Chemical hand gloves In case of service above 50 °C: Heat resistance hand gloves
	Opening of joints for segregation blinding of any piping, column, exchanger or any other equipment system	<ul style="list-style-type: none"> Helmet with face shield Suitable hand gloves

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SI No	Activity	JSMPE
	Welding operations	<ul style="list-style-type: none"> Welders Helmet integrated with face shield fitted with filter glass. Leather hand gloves
	Gas cutting operations	<ul style="list-style-type: none"> Cutting goggles leather gloves Boiler suit
	Grinding operations	<ul style="list-style-type: none"> Helmet with face shield. Leather hand Gloves
	Workshop Operations like lathe machine, hammering, turning, and drilling.	<ul style="list-style-type: none"> Safety goggles (Clear / Plain goggles) Cut resistance hand gloves
	Positioning (working) at 1.8 meters above ground or a permanent platform.	<ul style="list-style-type: none"> Full body safety harness with double lanyard
	Repairs and Maintenance jobs on pumps and other equipment in Rotary section within workshop.	<ul style="list-style-type: none"> Cut resistance hand gloves
	Hydro-jetting activity	<ul style="list-style-type: none"> Hydro-jetting suit Helmet with face shield Gloves
	Isolation and energization of panels	<ul style="list-style-type: none"> Electrical arc flash protection hand gloves as per the required protection level Electric arc splash protections suit as per the required rating
	Panel PM checks	<ul style="list-style-type: none"> Electrical arc flash protection hand gloves Electric Arc Flash protection Face shield with helmet
	Motor PM checks	<ul style="list-style-type: none"> Safety goggles (Clear – Plain) Suitable hand gloves based on service material of equipment
	Motor PM checks (High noise area)	<ul style="list-style-type: none"> Safety goggles (Clear – Plain goggles). Earmuffs or Ear Plugs Suitable hand gloves based on service material of equipment
	IR testing (High noise area)	<ul style="list-style-type: none"> Earmuffs or Ear Plugs Electric Arc Flash protection Face shield, suit and gloves
	Excavations in cable presence	<ul style="list-style-type: none"> Safety goggles (Clear – Plain goggles) Shock proof gloves Electrical shoes

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JSMPE REQUIREMENT FOR VARIOUS ACTIVITIES	



SI No	Activity	JSMPE
	Switch yard isolator opening (at height)	<ul style="list-style-type: none"> Full body safety harness with double lanyard Electrical arc flash protection hand gloves and suit of required rating
	Instrumentation works in workshop	<ul style="list-style-type: none"> Latex hand gloves
	Handling of debris / scraps	<ul style="list-style-type: none"> Safety goggles (Clear – Plain goggles) Cut resistant hand gloves
	Dry handling of bricks, mud, mortar etc.	<ul style="list-style-type: none"> Nitrile gloves and chemical splash proof goggles
	Wet handling of bricks, mud, mortar etc.	<ul style="list-style-type: none"> Nitrile gloves and chemical splash proof goggles
	Excavation jobs	<ul style="list-style-type: none"> Gum boots.
	Concrete chipping jobs Manual	<ul style="list-style-type: none"> Helmet with face shield, general purpose goggles & Gloves
	Concrete chipping jobs (Pneumatic)	<ul style="list-style-type: none"> Earmuffs or plugs Helmet with face shield Vibration gloves
	Fixing of Aluminium sheets for insulation purpose	<ul style="list-style-type: none"> Safety goggles Cut resistant hand gloves Dust mask
	Insulation Mineral wool handling jobs	<ul style="list-style-type: none"> Safety goggles Cut resistant hand gloves Dust mask
	Painting jobs at grade level	<ul style="list-style-type: none"> Safety goggles Nitrile gloves Dust mask Boiler suit
	Painting jobs at height more than 1.8 meters.	<ul style="list-style-type: none"> Full body safety harness with double lanyard Safety goggles Nitrile gloves Dust mask Boiler suit
	Shot / Grit blasting	<ul style="list-style-type: none"> Shot blasting hood and suit with airline supply connected to vortex air cooler and vibration gloves
	Confined Space Entry & works	<ul style="list-style-type: none"> Chemical splash proof goggles (Clear Plain goggles) Respiratory Protection Air Line Respirator or BA Set as per JSA Dust protection suit as per the need

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JSMPE REQUIREMENT FOR VARIOUS ACTIVITIES		



SI No	Activity	JSMPE
	Confined Space Entry & works at height more than 1.8 meters	<ul style="list-style-type: none"> Safety goggles (Clear Plain goggles) Dust mask Full body safety harness with double lanyard
	Confined Space Entry & works in Nitrogen blanketing	<ul style="list-style-type: none"> Respiratory Protection Air Line Respirator or BA Set as per JSA Dust protection suit as per the need
	Maintenance work on sour water/gas service equipment	<ul style="list-style-type: none"> Respiratory Protection Air Line Respirator or BA Set as per JSA Nitrile gloves
	For Diving Activity	<ul style="list-style-type: none"> Diving Helmet with two-way communication facility. Air Pipe along with connector to connect with Diving helmet or demand regulator Air Pump or Compressor along with receiver and air filters (HP & LP) Emergency Air Supply bail out bottle or compressed air cylinder SCUBA Set Diving Dress with hood, hand gloves & shoe material of construction Neoprene
	Fireproofing	<ul style="list-style-type: none"> Shot blasting hood and suit with airline supply connected to vortex air cooler Chemical splash proof goggles Nitrile gloves
	Hot Bolting	<ul style="list-style-type: none"> Helmet with face shield Respiratory protection as per JSA Heat resistant gloves
	Working on Fragile roof	<ul style="list-style-type: none"> Full body safety harness with double lanyard Lifeline

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MASTER LIST OF PPE SPECIFICATIONS	



Objective	a. To maintain consolidated list authentic specifications of all categories of PPEs. b. To ensure procurement as per the listed authentic specifications.
Responsibility for compliance	Fire & Safety Head of respective locations
Important Notes	a. Only genuine and latest IS specification of PPEs (with additional criteria of NRL, if any) shall be allowed. b. If, for a PPE, IS specification does not exist, an appropriate international specification shall be identified. Prior approval of Head F&S is necessary before such PPE is procured and used.

LIST OF PPEs IN USE AT NRL		
SL No	PPE Name	Specification Standard
1	Head Protection	
1.1	Industrial Safety Helmet	IS:2925
1.2	Fireman's Helmet	IS:2745/EN443/ANSI Z 89.1
2	Body Protection	
2.1	Flame resistant Coverall	IS:15758/BSEN ISO 11612:2015 (latest edition)/ISO 15025
2.2	Electrical Arc Flash Protection Suit	IEC 61482-2
2.3	Fire Proximity Suit	EN 11612
2.4	Low Temperature Suit	EN 943-2/ EN 469/EN 340
2.5	Tri Ethyl Aluminium (Teal) Suit	EN 11612/ EN 1149-5
2.6	Hydro jetting (High Pressure Water Jetting) Suit	EN 14605/ 89 686 EEC
3	Eye Protection	
3.1	General Purpose Safety Goggles or Spectacles	IS:5983/ EN 166/ ANSI Z 87.1
3.2	Chemical Splash proof goggles:	IS:5983/ EN 166/ ANSI Z 87.1
3.3	Furnace Goggles	IS:5983/ EN 166/ ANSI Z 87.1
3.4	Welding/Cutting goggles	IS:5983/ EN 166/ ANSI Z 87.1
3.5	Anti-fog goggles	IS:5983/ EN 166/ ANSI Z 87.1
3.6	Painting and Insulation goggles	IS:5983/ EN 166/ ANSI Z 87.1
3.7	Grinding goggles	IS:5983/ EN 166/ ANSI Z 87.1
4	Ear Protection	
4.1	Ear Plug	IS: 9167
4.2	Earmuff	IS: 8520
5	Face Protection	
5.1	Face Shield	IS 8521
5.2	Welding Helmet with shield	EN 175/EN 379/ISO 4007/ANSI Z 87.1
6	Hand Protection	
6.1	General purpose fabric and coated fabric gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105
6.2	Leather, Canvas or Metal mesh gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105
6.3	Chemical and liquid resistant gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105
6.4	Electrical safety gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105
6.5	Impact resistance gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105
6.6	Vibration resistance gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105
6.7	Cut resistance gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105
6.8	Cryogenic gloves	IS 6994/ IS 4770/ EN 388/ NFPA 1971/ANSI 138/ISEA 105

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7	Foot Protection	
7.1	Safety Shoes	IS:15298 (Part-2)/ EN ISO 20345
8	Fall Protection	
8.1	Fall protection system	IS 3521: 2021
9	Respiratory Protection	
9.1	Disposable face respirator	IS 9473
9.2	Gas Filters and Combined Filters Used in Respiratory Protective Equipment	IS 15323
9.3	Self-Contained Breathing Apparatus	IS 10245 Part 2

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ROLES AND RESPONSIBILITIES IN PPE USAGE CONFORMANCE	



Objective	a. To specify the responsibilities of different role holders in ensuring PPE usage conformance.
Responsibility for compliance	Job Executor, Area in charge and Fire & Safety
Important Notes	a. It is the joint responsibility of Job Executor, Area in charge and Fire & Safety in ensuring PPEs compliance at the work site.
	b. This policy shall be followed by all contractors working in NRL locations.

Job Executor	
	<ul style="list-style-type: none"> a. Ensure that the necessary PPE is available and accessible to the personnel before the commencement of work. b. Check for healthiness of PPE and arrange for repairs or replacements as needed. c. Verify and ensure only trained personnel are engaged in the job. d. Ensure that each worker is equipped with the appropriate PPE for their specific tasks, as identified in the job safety analysis (JSA) and the Work Permit. e. Job hazards and PPE requirements as per JSA to be discussed and conveyed in the Tool Box Talk. f. Continuously monitor the worksite to ensure that personnel are wearing their PPE correctly. Take corrective actions to prevent deviations in conformance. g. Ensure availability of safety supervisor during the work execution.
Area in charge	
	<ul style="list-style-type: none"> a. To verify and ensure that all the personnel engaged in the plant or area activities have undergone PPE training. b. Maintain active oversight on the ongoing activities and intervene to prevent PPE violations. c. Ensure that no personnel enter or work in the plant or area without PPE. d. Ensure that each worker is equipped with the appropriate PPE for their specific tasks, as identified in the job safety analysis (JSA) and the Work Permit. e. Ensure appropriate safety signage to alert the personnel for proper PPE usage.
Fire & Safety	
	<ul style="list-style-type: none"> a. Provide awareness and training on the correct usage of PPE for different jobs and their maintenance. b. Perform regular safety surveillance to verify that personnel are using PPE correctly and consistently. c. Enforce PPE usage by necessary corrective and preventive actions. d. Identify and provide signage to guide on appropriate PPE usage across different locations according to the prevalent hazards, such as high noise area. e. Generate periodic MIS reports on PPE conformance status & actions taken, field surveillance, trainings imparted and PPE availability.

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PPE POLICY IMPLEMENTATION GUIDELINE	
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GUIDELINE FOR PPE USAGE TRAINING	



Objective	a. To specify the actions for increasing PPE awareness. b. To list out different type of PPEs and their applications.
Responsibility for compliance	Fire & Safety, Area In-Charge and executor
Important Notes	a. Fire & Safety is primarily responsible for PPE awareness and training. However, each department using PPE is responsible for ensuring proper usage and compliance. b. The following list provides guidance on PPE usage. For any other PPE not mentioned, appropriate standards may be referred.

Actions for increasing awareness of PPE usage: <ol style="list-style-type: none"> 1. Classroom Training 2. Awareness Programme 3. PPE demonstration in field 4. Behaviour Bases Safety 5. Competitions and incentive programme 6. Visual aid such as posters/ marking/ labelling of areas/ display of safety videos 7. Linking of safety training evaluation of workers with NRL gate pass system
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Different PPEs and their applications		
SL No	PPE Name	Applications
1	Head Protection	
1.1	Industrial Safety Helmet	To be used while working or walking or merely present in plant area.
1.2	Fireman's Helmet	To be used by fire fighter; protects them from heat, cinders and falling objects
2	Body Protection	
2.1	Flame resistant Coverall	To be used against fire and heat-related hazards; It self-extinguishes or resists ignition and flash fire
2.2	Electrical Arc Flash Protection Suit	To be used against electric arc flash exposure.
2.3	Fire Proximity Suit	To be used to protect user from intense radiant heat and direct flame contact
2.4	Low Temperature Suit	To be used to protect the user from handling materials of extreme cold temperature such as LPG handling, Propane, Ethylene, Low temperature chemicals etc.
2.5	Tri Ethyl Aluminium (Teal) Suit	To be used to protect user from exposure to pyrophoric material
2.6	Hydro jetting (High Pressure Water Jetting) Suit	To be used to protect user from direct exposure to high water pressure during hydro jetting operations
3	Eye Protection	
3.1	General Purpose Safety Goggles or Spectacles	To be used in dusty environments or any normal physical hazards.
3.2	Chemical Splash proof goggles	To be used during handling chemical splash.
3.3	Furnace Goggles	To be used for looking into furnace for protection against UV rays and glare.
3.4	Cutting and Grinding goggles	To be used in cutting and grinding operation.

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3.5	Welding goggles	To be used for welding which has potential sparking, scaling, harmful light rays
3.6	Painting and insulation goggles	To be used for painting applications
4	Ear Protection	
4.1	Earmuff	To be used in high noise area
4.2	Roll down foam Ear Plug	To be used in high noise area
4.3	Pre moulded ear plugs	To be used in high noise area
5	Face Protection	
5.1	Face Shield	To be used for protection against potential chemical splashes or flying projectiles.
5.2	Arc-rated face shield	To be used for Electrical Safety applications with higher hazard/risk or unknown (as per the arc rating of suit)
5.3	Welding Helmet and Hand Shield	To be used for welding purpose to protect eyes and face against heat, sparks, flash burn, ultraviolet or infrared light
6	Hand Protection	
6.1	Disposable gloves, thin-gauge*(<8 – 10 mils)	To be used while working with biological hazards and chemical hazards of small quantity (e.g. Quality control labs)
6.2	Leather Gloves	To be used for handling sharp objects and metal, field work, welding, Hot surfaces
6.3	Cut Resistant gloves	To be used for working with sharp objects
6.5	Chemical gloves	To be used while working with larger or less volumes of chemicals.
6.4	Cryogenic gloves	To be used while handling cryogenics materials
6.5	Electrical shock proof gloves	To be used for electrical safety applications with higher hazard or risk
7	Foot Protection	
7.1	Safety Shoes	For protection of foot
7.2	Electric shoes	For Electric shock protection
7.3	Gum boots	For protection of foot against mud, dirt, and corrosive chemicals.
7.4	Fireman Boots	For provide protection against corrosion puncture, conductive heat.
8	Fall Protection	
8.1	Fall arrestors	To be used while working at heights for fall arrest situations where greater worker mobility is needed
8.2	Full body harness	To be used while working at heights to protect from falls
9	Respiratory Protection	
9.1	Dust mask	To be used in dusty environments, working with potentially infectious materials.
9.2	Respirator Cannister Type Gas Mask	Dusty environments, potentially infectious materials, chemical vapors, particulates, and select gases (cartridge dependent)
9.3	Self-Contained Breathing Apparatus	Used in oxygen deficient atmospheres, immediately dangerous to life or health (IDLH) or areas of high concentration or unknown airborne contaminants

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