

# FLAMEPROOF ELECTRICAL EQUIPMENTS

FOR DIVISION -1 GROUP I, II A, II B & II C DIVISION - II,  
DUST TIGHT DUST PROOF & INDUSTRIAL WEATHERPROOF / CORROSSION PROOF



# FLAMEPROOF ELECTRICAL EQUIPMENTS

FLAMEPROOF Electrical Equipments are TESTED AND CERTIFIED By Central Mining Research Institute, Dhanbad.

The equipments are suitable for various Groups as under:

- (i) FLAMEPROOF & FLAMEPROOF WEATHERPROOF FOR DIVISION I & II, GAS GROUPS, I, II A & II B TO IS: 2148:2004
- (ii) FLP-WP for Division I Group IIC
- (iii) Restricted Breathing type for Division II confirming to IS:8224/1976 & IS: 6381/1972
- (iv) Intrinsically safe as per IS: 5780/2002
- (v) Dust Tight Dust proof as per IS:4013/1967 & IS:4012/1967.
- (vi) WEATHERPROOF for Safe Areas.
- (vii) FLAMEPROOF equipments for Cleanroom Areas.
- (viii) Corrosion - Proof Light Fitting, Switchgears, Junction Boxes in FRP

**MATERIAL OF CONSTRUCTION** : Complete Range of Products are available in Aluminium Alloy LM6, Cast Iron & Stainless Steel Construction, Weatherproof items available in FRP also.

## THE PRODUCTS ARE ALSO APPROVED BY

- 1) Chief Inspector of Explosive, Nagpur.
- 2) Bureau of Indian Standards.
- 3) DGMS approved for OIL COS

## RANGE OF PRODUCT'S

### (A) LIGHT FITTINGS

- 1A) Fluorescent Fixtures Single/Twin upto 40 Watts FTL/36W PL/LEDs
- 2A) Wellglass upto 400W HPMV / 250W MLL / 400W Metal Halide
- 2B) Wellglass suitable for single/ twin / three nos. CFL Lamps upto 85W/LED Lamps
- 3) Bulkhead Fittings Upto 200W GLS/125W HPMV/160W MLL Lamp/Upto 3 Nos. upto 11/26W PL Lamps/70W Metal Halide / LED Lamps.
- 4) Hand Lamp upto 60W GLS Lamp/ CFL Lamps/LED Lamps.
- 5) Vessel Lamps upto 200W GLS / CFL/LED Lamps with/without Switch / Electronic or Mechanical Timers.
- 6) Control Gear Box Upto 400W HPMV/400W Metal Halide Lamp.
- 7) Flood Light Fittings Upto 500W GLS/400W HPMV/400W Metal Halide Lamp
- 8) Emergency Tubelight Fitting upto Single / Twin-40W FTL / 36W CFL Lamps.
- 9) Highbay fitting upto 400W HPMV/Metal halide Lamps.
- 10) SAFETY Torch Filament / Neon/ LED Lamps.
- 11) Portable Rechargeable Hand Lamps Intrinsically Safe with Lamp/Flasher.
- 12) Flasher Lights/Beacon Lamps/ Revolving, Bulb / LED Lamps

- 13) CLEANROOM DUST TIGHT FITTINGS / SWITCHGEARS.
- 14) Aviation Lights / Bulb / Neon / LED Lamps.
- 15) CORROSSION - PROOF WELL-GLASS, BULKHEAD, STREET LIGHT, CONTROL GEAR BOXES.

### (B) CONTROL-GEARS & SWITCHGEARS

- 1) Miniature Circuit Breakers Upto 63 Amps FP
- 2) M.C.B. Distribution Boards.
- 3) Moulded Case Circuit Breakers upto 1000 amps
- 4) M.C.B./M.C.C.B. Socket & Plug Combined 125 Amps D.P./T.P
- 5) Switch Socket & Plug Combined Upto 125 Amps D.P./T.P.
- 6) Push Button Station.
- 7) Fire Alarm.
- 8) Gong Bell.
- 9) Isolators Upto 630 Amps TPN.
- 10) Switch Fuse Unit Upto 630 Amps TPN.
- 11) Gravity / Rotary / Normal Limit Switches
- 12) Remote Control Stations.
- 13) Motor Control Centres.
- 14) Hoist/Crane Panels.
- 15) Lighting Panels.
- 16) Distribution Boards.
- 17) Direct On Line/ Star-Delta/ Reversing Starters.
- 18) Instrument Enclosures.
- 19) Junction Boxes / Thermo Couple Heads

- 20) Flexible Metallic Conduits.
- 21) Cable Glands & Accessories.
- 22) Heaters.
- 23) Weighing Scale Enclosures
- 24) FAN Regulators.
- 25) Temperature Indicator/ Process Control Panel.
- 26) Electronic Hooters.
- 27) Soot Blower Panels.
- 28) Enclosures for Electronic Instruments.
- 29) Control Stations for Lifts.

### (C) FLAMEPROOF FANS

Exhaust Fans, Pedestal Fans Wall Mounting Fans, Ceiling Fans, Coaxial Fans

### (D) FLAMEPROOF TELEPHONES / PAGING SYSTEMS

### (E) FLAMEPROOF MOTORS.

### (F) FLAMEPROOF AIR CONDITIONERS, COMPRESSORS

### (G) NON-FLAMEPROOF / DUST TIGHT DUST PROOF PRODUCTS

- 1) WP Push Buttons Stations
- 2) WP Rotary Switches
- 3) WP Junction Boxes
- 4) Double Compression Cable Glands.
- 5) Switch Socket Combined.
- 6) Control Stations for Lifts.
- 7) WP Light Fittings
- 8) MCB Distribution Board

**AUTHORISED DEALER**

# FLAMEPROOF ELECTRICAL EQUIPMENTS

FOR DIVISION -1 GROUP I, II A, II B & II C DIVISION - II,  
DUST TIGHT DUST PROOF & INDUSTRIAL WEATHERPROOF / CORROSSION PROOF



# FLAMEPROOF ELECTRICAL EQUIPMENTS

FLAMEPROOF Electrical Equipments are TESTED AND CERTIFIED By Central Mining Research Institute, Dhanbad.

The equipments are suitable for various Groups as under:

- (i) FLAMEPROOF & FLAMEPROOF WEATHERPROOF FOR DIVISION I & II, GAS GROUPS, I, II A & II B TO IS: 2148:2004
- (ii) FLP-WP for Division I Group IIC
- (iii) Restricted Breathing type for Division II confirming to IS:8224/1976 & IS: 6381/1972
- (iv) Intrinsically safe as per IS: 5780/2002
- (v) Dust Tight Dust proof as per IS:4013/1967 & IS:4012/1967.
- (vi) WEATHERPROOF for Safe Areas.
- (vii) FLAMEPROOF equipments for Cleanroom Areas.
- (viii) Corrosion - Proof Light Fitting, Switchgears, Junction Boxes in FRP

**MATERIAL OF CONSTRUCTION** : Complete Range of Products are available in Aluminium Alloy LM6, Cast Iron & Stainless Steel Construction, Weatherproof items available in FRP also.

## THE PRODUCTS ARE ALSO APPROVED BY

- 1) Chief Inspector of Explosive, Nagpur.
- 2) Bureau of Indian Standards.
- 3) DGMS approved for OIL COS

## RANGE OF PRODUCT'S

### (A) LIGHT FITTINGS

- 1A) Fluorescent Fixtures Single/Twin upto 40 Watts FTL/36W PL/LEDs
- 2A) Wellglass upto 400W HPMV / 250W MLL / 400W Metal Halide
- 2B) Wellglass suitable for single/ twin / three nos. CFL Lamps upto 85W/LED Lamps
- 3) Bulkhead Fittings Upto 200W GLS/125W HPMV/160W MLL Lamp/Upto 3 Nos. upto 11/26W PL Lamps/70W Metal Halide / LED Lamps.
- 4) Hand Lamp upto 60W GLS Lamp/ CFL Lamps/LED Lamps.
- 5) Vessel Lamps upto 200W GLS / CFL/LED Lamps with/without Switch / Electronic or Mechanical Timers.
- 6) Control Gear Box Upto 400W HPMV/400W Metal Halide Lamp.
- 7) Flood Light Fittings Upto 500W GLS/400W HPMV/400W Metal Halide Lamp
- 8) Emergency Tubelight Fitting upto Single / Twin-40W FTL / 36W CFL Lamps.
- 9) Highbay fitting upto 400W HPMV/Metal halide Lamps.
- 10) SAFETY Torch Filament / Neon/ LED Lamps.
- 11) Portable Rechargeable Hand Lamps Intrinsically Safe with Lamp/Flasher.
- 12) Flasher Lights/Beacon Lamps/ Revolving, Bulb / LED Lamps

- 13) CLEANROOM DUST TIGHT FITTINGS / SWITCHGEARS.
- 14) Aviation Lights / Bulb / Neon / LED Lamps.
- 15) CORROSSION - PROOF WELL-GLASS, BULKHEAD, STREET LIGHT, CONTROL GEAR BOXES.

### (B) CONTROL-GEARS & SWITCHGEARS

- 1) Miniature Circuit Breakers Upto 63 Amps FP
- 2) M.C.B. Distribution Boards.
- 3) Moulded Case Circuit Breakers upto 1000 amps
- 4) M.C.B./M.C.C.B. Socket & Plug Combined 125 Amps D.P./T.P
- 5) Switch Socket & Plug Combined Upto 125 Amps D.P./T.P.
- 6) Push Button Station.
- 7) Fire Alarm.
- 8) Gong Bell.
- 9) Isolators Upto 630 Amps TPN.
- 10) Switch Fuse Unit Upto 630 Amps TPN.
- 11) Gravity / Rotary / Normal Limit Switches
- 12) Remote Control Stations.
- 13) Motor Control Centres.
- 14) Hoist/Crane Panels.
- 15) Lighting Panels.
- 16) Distribution Boards.
- 17) Direct On Line/ Star-Delta/ Reversing Starters.
- 18) Instrument Enclosures.
- 19) Junction Boxes / Thermo Couple Heads

- 20) Flexible Metallic Conduits.
- 21) Cable Glands & Accessories.
- 22) Heaters.
- 23) Weighing Scale Enclosures
- 24) FAN Regulators.
- 25) Temperature Indicator/ Process Control Panel.
- 26) Electronic Hooters.
- 27) Soot Blower Panels.
- 28) Enclosures for Electronic Instruments.
- 29) Control Stations for Lifts.

### (C) FLAMEPROOF FANS

Exhaust Fans, Pedestal Fans Wall Mounting Fans, Ceiling Fans, Coaxial Fans

### (D) FLAMEPROOF TELEPHONES / PAGING SYSTEMS

### (E) FLAMEPROOF MOTORS.

### (F) FLAMEPROOF AIR CONDITIONERS, COMPRESSORS

### (G) NON-FLAMEPROOF / DUST TIGHT DUST PROOF PRODUCTS

- 1) WP Push Buttons Stations
- 2) WP Rotary Switches
- 3) WP Junction Boxes
- 4) Double Compression Cable Glands.
- 5) Switch Socket Combined.
- 6) Control Stations for Lifts.
- 7) WP Light Fittings
- 8) MCB Distribution Board

**AUTHORISED DEALER**