



**FCG POWER INDUSTRIES PVT. LTD.**

since  
**1998**



*Manufacturers of high quality electrical safety products for hazardous area Zone - 1 & 2 and Zone 21 & 22, Gas Group IIA, IIB & IIC, EPL Gb, GC & tb, tc*





We at **FCG POWER INDUSTRIES P.LTD.** (A registered ISO 9001 Company), are diligently engaged in the design, development, manufacture and quality control of various types of electrical equipments which are intended for safe application in hazardous locations. We are well recognized for our focus on the essential technicalities associated with the requirements laid down. We are a company with more than twodecades of

Our administrative office is located in Mumbai, and production units are at VAPI . The plants are not only well equipped with adequate & up dated machineries, but also manned by very competent and dynamic team of engineers and skilled staff. We are proud to state that we are associated with one of the eminent expert scientists who is guiding us constantly in this specialized field in developing and designing of the products. Our research and development divisions, located at the works are constantly engaged in upgrading the products and designs of equipments on feedback from our valued clients, complying with the Standards.

**FCG POWER INDUSTRIES P.LTD.** plans to develop and introduce products based on the actual needs of clients in spite of the fact that all our products are well accepted by prominent user industries in India as well as abroad. In this catalogue, only few of our tested and certified products intended for application in Gas Group IIA, IIB and IIC as per Standard have been depicted; however, we are additionally engaged in design, development and manufacture of new products as per latest standard.

**FCG POWER INDUSTRIES P.LTD.** Products are already well recognized in various industries such as Petrochemical, Refinery, Oil and Gas, Nuclear, Oil Mines, Chemicals, Pesticides, Fertilized, Bulk Drugs, Pharmaceuticals and Ordnance Factories. The Products are tested and Certified by the Government Recognized Laboratory, Central Institute of Mining and Fuel Research(CIMFR), Dhanbad and are approved by the Government Statutory authorities viz. DGMS, Dhanbad, CCE. Nagpur and BIS, New Delhi.

**FCG POWER INDUSTRIES P.LTD.** is also in the valued approved list of eminent consultants like EIL, PDIL, MECON, UHDE, Toyo, Chemtex, Aker, McMott, Dalal, Jacobs, Techimont ICB etc.

**FCG POWER INDUSTRIES P.LTD.** is also in the valued approved list of eminent Clients like IOCL, HPCL, BPCL, ONGC, GAIL, Reliance, L & T, Punj Lloyd, Technip, RCF, GNFC, NFL, IFFCO, KRIBHCO, BARC, BHEL, NTPC, CIPLA , Lupin, Pidilite, Kansai, Asian, etc.



***FCG Is Committed To The Design & Manufacture Of Prime Quality Ex-equipment With Continues Quality Improvement In Product Quality & In The Service Delivery Process, So As To Maximize Customer Satisfaction. We Continually Upgrade Our Quality Management System.***

*Our Motto is to assist our esteemed customers in selection of appropriate & efficient equipment.  
We assure you of our unstinted co-opreation all times expeditiously.*




**FLP/WP LED FITTING**

Cat Group : LLD610...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 60W AC/DC 24v- 110v- 220v


**FLP/WP WELL GLASS FITTING**

Cat Group : LLD611...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 60W AC/DC 24v - 110v - 220v


**FLP/WP LED FITTING**

Cat Group : LLD612...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 200W AC/DC 24- 110v- 220v


**FLP/WP BULKHEAD FITTING**

Cat Group : LLD613...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 100W AC/DC 24- 110v- 220v


**FLP/WP LED FITTING**

Cat Group : LLD614...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 80W AC/DC 24- 110v- 220v


**FLP/WP EMERGENCY LED FITTING (With Seperate Heat Sink)**

Cat Group : LWG614...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 60W AC/DC 220v


**FLP/WP HIGH BAY FITTING**

Cat Group : LLD616...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 350W AC/DC 24- 110v- 220v


**FLP/WP FLOODLIGHT FITTING**

Cat Group : LLF314...Series  
Gas Group : IIA & IIB  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : Upto 100W AC/DC 24- 110v- 220v


**FLP/ WP TUBELIGHT FIXTURES**

Cat Group : FTL611...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 65  
Rating : 10 to 40W LED/CFL/FTL  
Type : Single / Twin

Note : Fitting Available With Flat, Dome, Clear Or Diffused Glass For Well Glass/Flood Light/Bulk Head/High Bay.



**WEATHER PROOF LED FITTING**

Cat Group : LLD211...Fitting  
Protection : IP-66  
Rating : Upto 60W AC/DC 220



**WEATHER PROOF LED FITTING**

Cat Group : LLD212...Fitting  
Protection : IP-66  
Rating : Upto 350W AC/DC 220



**FLP/WP AVIATION LIGHT FITTING**

Cat Group : AL611...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP-66  
Rating : 8W/15W Single/Twin 230/24v AC/DC  
(Red/Green/Amber)



**FLP/ WP CLEAN ROOM TOP OPENING**

Cat Group : CFT 312.....Series  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : Upto 100W LED AC/DC



**FLP/WP LED CLEANROOM BOTTOM OPENING (Rectangle)**

Cat Group : CLF313...Series  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : Upto 100W LED AC/DC



**FLP/WP LED CLEANROOM BOTTOM (Square)**

Cat Group : CLF314...Series  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : Upto 100W LED AC/DC



**FLP/ WP HAND LAMP**

Cat Group : LHL611...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 60W GLS / 20W LED



**FLP/WP GAUGE GLASS / ILLUMINATOR**

Cat Group : GG612025  
Gas Group : IIA , IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP VESSEL LAMP FITTING (With Switch/Timer)**

Cat Group : LVS 611...Series  
Gas Group : IIA , IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 60W / 100W GLS & UPTO 20W LED LAMP







**FLP/ WP DIRECT ENTRY CONTROL STATION**

Cat Group : CPB 611....Series (DIRECT ENTRY)  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP INDIRECT ENTRY CONTROL STATION**

Cat Group : CBP 612....Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP DIRECT ENTRY ROTARY SWITCH**

Cat Group : R....611162 (Direct Entry)  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 16A DP, 250V AC / 16A TP, 500V AC



**FLP/ WP INDIRECT ENTRY ROTARY SWITCH**

Cat Group : R....312....  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP DOL STARTER**

Cat Group : SDS 615....Series  
Gas Group : IIA, IIB, & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : Upto 200HP 230v / Ac



**FLP/ WP CONTROL STATION**

Cat Group : C..614....Series  
Gas Group : IIA, IIB, & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP ELECTRONIC HOOTER**

Cat Group : EH 612201  
Gas Group : IIA, IIB, & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP MANUAL CALL POINT**

Cat Group : CFA 61201  
Gas Group : IIA, IIB, & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP LIMIT SWITCH**

Cat Group : LS 611....Series  
Gas Group : IIA / IIB & IIC  
Area Classification : Zone- 2  
Protection : IP- 65 / 66



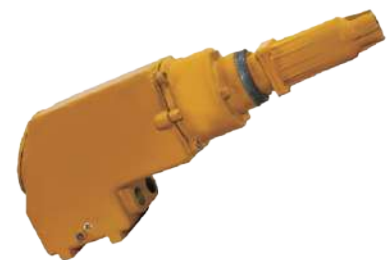
**FLP/ WP SWITCH SOCKET & PLUG**

Cat Group : RS 612....Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 65 / 66  
Rating : Upto 32A 230/415v AC & 24v AC



**FLP/ WP WELDING SOCKET**

Cat Group : RS 31263....Series  
Gas Group : IIA & IIB  
Area Classification : Zone- 1 & 2  
Protection : IP- 65 / 66  
125A 500V (3P+E) / 125A 500V (3P+N+E)  
(MCB/RCBO- Optional)



**FLP / WP WELDING SOCKET**

Cat Group : RS 615635  
Gas Group : IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 65 / 66  
125A 500V (3P+N+E)  
(MCB/RCBO- Optional)

Note : Size May Vary Depending Upon The Rating & Component .

**FLP/WP (JUNCTION) TERMINAL BOX**

Cat Group : TB31...Series

Gas Group : IIA &amp; IIB

Area Classification : Zone- 1 &amp; 2

Protection : IP- 66

MOC : LM- 6

Size (in mm)

L	W	H
125	125	90
150	150	125
170	170	115
186	186	165
200	200	120
268	268	265
395	395	315
475	475	325

**FLP/WP (JUNCTION) TERMINAL BOX**

Cat Group : TB- 61...Series

Gas Group : IIA, IIB, &amp; IIC

Area Classification : Zone- 1 &amp; 2

Protection : IP- 66

MOC : LM- 6

Size (in mm)

L	W	H
125	125	90
150	150	125
200	200	120
280	280	240
350	350	220
395	395	240
480	480	290
620	620	300

**FLP/WP (JUNCTION) TERMINAL BOX**

Cat Group : TBF31...Series

Gas Group : IIA &amp; IIB

Area Classification : Zone- 1 &amp; 2

Protection : IP- 66

MOC : LM- 6

Size (in mm)

L	W	H	L	W	H
125	295	300	415	540	200
165	225	85	425	425	300
220	375	155	425	550	300
255	310	160	445	510	285
270	415	200	450	515	213
295	295	300	480	630	335
320	320	175	500	300	235
355	415	270	510	610	235
355	455	270	510	760	285
360	410	185	800	1000	515
395	870	300			

**FLP/WP (JUNCTION) TERMINAL BOX**

Cat Group : TB...3...Series

Gas Group : IIA , IIB &amp; IIC

Area Classification : Zone- 1 &amp; 2

Protection : IP- 66

MOC : SS316

Size (in mm)

Gas Group	L	W	H
IIA , IIB & IIC	100	100	85
IIA , IIB & IIC	125	125	90
IIA , IIB & IIC	170	170	115
IIA , IIB & IIC	250	250	165
IIA , IIB & IIC	370	370	165
IIA & IIB	450	450	165
IIA & IIB	415	415	200
IIA & IIB	355	455	270
IIA & IIB	415	575	200

**WP EX-E (JUNCTION) TERMINAL BOX**

Cat Group : TBI21...Series

Area Classification : Zone- 1 &amp; 2

Protection : IP- 66

MOC : LM- 6

Size (in mm)

L	W	H
120	120	85
172	172	125
325	172	125
325	225	125
325	325	140
425	325	160
600	400	200
785	930	210
465	315	140

**WP EX-E (JUNCTION) TERMINAL BOX**

Cat Group : TBI2...Series

Area Classification : Zone- 1 &amp; 2

Protection : IP- 66

MOC : FRP/MS/SS

Size (in mm)

L	W	H
125	125	80
200	200	125
300	200	125
300	320	150
450	250	150
380	300	125
415	415	200
500	500	125
600	300	170

Note : Regular Sizes Mentioned, For Special Requirements Contact Us.



**FLP/WP CONTROL PANEL**

Cat Group : SCP31450  
Gas Group : IIA & IIB  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/WP EXTENSIBLE DISTRIBUTION PANEL BOARD**

Cat Group : SCP31870 / SCP31760  
Gas Group : IIA & IIB  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 16A DP, 250V AC / 16A TP, 500V A



**FLP/WP SHOOT BLOOWER CONTROL PANEL**

Cat Group : SCP61450  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**WP CONTROL PANEL/DISTRIBUTION BOARD**

Cat Group : SCP71450  
Area Classification : Zone- 1 & 2  
Protection : IP-66



**FLP/WP AIR CONDITIONER (Window/Split)**

Cat Group : FAC...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 1 to 5 Tonnes 230V AC  
MOC : Mild Steel/Stainless Steel



**FLP/WP EXHAUST FAN (with or without louvers and wire mesh)**

Cat Group : FE...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 230v / 415V  
Size : 12, 16, 18 & 24"



**FLP/WP PEDESTAL FAN**

Cat Group : FP...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 230v / 415V  
Size : 18, 24 & 30"



**FLP/ WALL MOUNTING FAN**

Cat Group : Fw...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66  
Rating : 230v / 415V  
Size : 18, 24 & 30"



**FLP/WP DRAIN PLUG/BREATHER**

Cat Group : AB...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Size : 1/2"NPT or M20  
MOC : Brass /AL/SS



**FLP/WP AUDIO VISUAL**

Cat Group : CFH613...Series  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66



**FLP/ WP CABLE GLAND & PVC HOOD**

Cat Group : G \_ 6 \_ \_ \_ \_ \_  
Gas Group : IIA, IIB & IIC  
Available Entry Threads : Metric M 20 TO M90/  
1/2" NPT to 3" NPT  
(PVC Hood, Locknut, Earth tag Optional)  
MOC : Brass /AL/SS



**FLP/WP TELEPHONE**

Cat Group : PWT61901  
Gas Group : IIA, IIB & IIC  
Area Classification : Zone- 1 & 2  
Protection : IP- 66









*Our Range of Flameproof (Ex-d), Increased Safety (Ex-e), Intrinsically Safe (Ex-i)*

*Non Incentive & Restricted breathing (Ex-nR) and Weatherproof (WP) Products suitable for hazardous Zone 1 & 2, Gas Group I, IIA, IIB & IIC area & Dust Protection (Ex-tb/tc) EPL Gb / Gc & Db / Dc.*

### LIGHTING FIXTURES (Ex-bd/Ex-eb/Ex-NR)

- > Tubelight Fixtures ( Single/ Twin ) Upto 65W
- > Emergency Tube Light Fitting - Upto 40W
- > Emergency Wellglass Fitting - Upto 50W
- > Wellglass Light Fitting Integral With or Without (GLS / HPMV/ HPSV/ MLL / CFL / Metal Halide / LED) Lamp
- > Bulkhead Light Fitting For (GLS / HPMV/ MLL / CFL / LED) Lamp
- > Flood Light Fitting (GLS / HPMV/ MLL / LED) Lamp
- > Reaction Vessel Lamp (with Switch/ Timer ) For (GLS/ HA / CFL / LED) Lamp
- > Handlamp Fitting For (GLS/ CFL / LED) Lamp
- > Aviation Obstruction Light (Single/ Twin) With Neon / LED's/ GLS Lamp
- > Traffic Light Fitting - GLS / LED's
- > Illuminator (Gauge Glass) 15W GLS
- > Safety Torch - 2 Cell Or 3 Cell/ LED
- > Control Gear Box upto 400W (HPMV/ HPSV/ MH) Lamp

### CONTROL STATION (Ex db) IIB/IIC

- > Start - Stop Push Button
- > Start or Stop Push Button
- > Start or Stop Push Button With Ammeter
- > Start or Stop Push Button With Switch
- > Start or Stop Push Button with Selector Switch & Ammeter
- > Push Button with Switch & Indicator
- > Push Button with Switch & Ammeter
- > Push Button with Switch, Ammeter & Indicator
- > TNC Switch, Set Switch, On Click Switches
- > Any Other Combination Of Above

### RECEPTACLES (EX db)

- > Switch Socket & Plug (Single Phase)
- > Switch Socket & Plug (Three Phase)
- > Switch Socket & Plug
- > Switch Socket & Plug Multiples
- > Switch Socket & Plug With Transformer
- > RCBO Socket & Plug With MCB / ELCB(RCCB)

### JUNCTION BOX (Ex-db/Ex-eb)

- > Lighting Junction Box
- > Power Junction Box
- > Instrument Junction Box

### SWITCH GEAR (Ex-db) IIB/IIC

- > DOL Starter with or without Isolator
- > Star Delta Starter with or without Isolator
- > Switch Fuse Unit
- > Switches / Isolators / MCB'S / ELCB'S

### PANEL BOARD (Ex-db) IIB/IIC

- > Motor Control Centre
- > Lighting / Power Distribution Board
- > Crane / Hoist Control Panel
- > PLC Panel

### COMMUNICATION (Ex-db & EX-ib) IIB/IIC

- > Flameproof & Intrinsically Safe Telephone
- > With Loud Bell or Electronic Hooter

### CONTROL EQUIPMENT (Ex-db) IIB/IIC

- > Limit Switch
- > Pressure Switch
- > Thermostat (Temperature) Switch
- > Manual Call Point (Fire Alarm Station)
- > Thermocouple Head

### ENCLOSURE (Ex-db) IIB/IIC

- > Instrument, Temperature Indicator, Temperature Controller etc.

### MOTOR (Ex-db) IIB/IIC

- > Indication Motor (Single Phase / Three Phase)

### ACCESSORIES (Ex-db) IIB/IIC

- > Cable Glands, Blanking Plugs, Nipples, Reducers,
- > Adapters, Couplings, Unions, Sealing Conduits &
- > Flexible Conduits & Breathess.

### FAN (Ex-db) IIB/IIC

- > Exhaust Fans
- > Air Circulator Fan
- > Wall Mounting Fan
- > Ceiling Mounting Fan

### AIR CONDITIONER (Ex-db) IIB/IIC

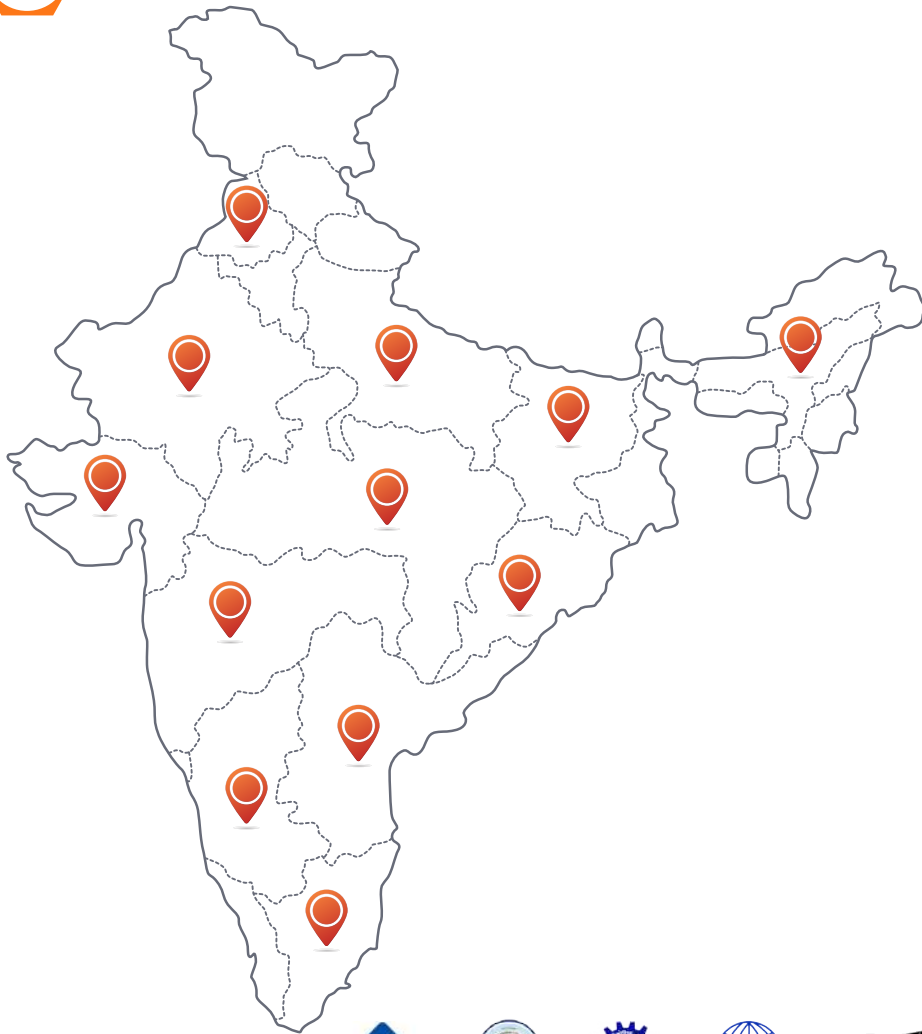
- > Split AC
- > Window AC

### CLEANROOM Light FITTINGS (Ex-db) IIB/IIC

- > Light Fitting, Control Station
- > Receptacles Switches & JB With SS/MS & SS Cover Plate

We also undertake development of items as per specific requirements of client.





## INDIAN STANDARDS

All our products are confirming to the following Indian Standards.

- > IS/IEC : 60079-0  
Explosive Atmospheres - Part 0 : Equipment - General requirements
- > IS/IEC : 60079-1  
Explosive Atmospheres - Part 1: Equipment Protection By Type Of Protection "d"
- > IS/IEC : 60079-7  
Explosive Atmospheres - Part 15 : Equipment Protection By Type Of Protection "e"
- > IS/IES : 60079-15  
Explosive Atmospheres - Part 15 : Equipment Protection By Type Of Protection "n"
- > IS/IEC : 60079-31  
Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection By Enclosure "t"
- > IS/IEC : 60079-14 Part 14: Electrical Installations, Design, Selection & Erection
- > IS/IEC : 60079-17 Part 17: Electrical Installations Inspection & Maintenance
- > IS/IEC : 60029 Degree Of Protection Provided By Enclosure (IP Code)
- > IS 5571 Guide For Selection & Installations Of Electrical Equipment In Hazardous Areas (Other then mines)
- > IS 5572 Classification Of Hazardous Areas (Other then mines) Having Flammable Gases & Vapours For Electrical Installation (Other then mines)



### HEAD OFFICE

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