



## **GR TECH SERVICES**

20-29, Gautam Nagar, Malkajgiri,  
Hyderabad - 500 047.

Tele Fax : 0091 - 40 - 27056517

Mobile : 0091 - 93910 35881

E-mail : [rajgrtech@rediffmail.com](mailto:rajgrtech@rediffmail.com)

**GAS VIGIL** Gas Leak Detection Systems (Early warning device) for flammable and toxic gases.

**# Disaster Strikes Without Warning  
A Warning Saves From Disaster #**



## Why Early Warning

- Because undetected Gas Leak could result in loss of precious lives and property
- Timely detection could protect from any such untoward accidents



## **GASES**

**Butane/Propane**

**LPG**

**NH<sub>3</sub>**

**Ammonia**

**C<sub>2</sub>H<sub>2</sub>**

**Acetylene**

**H<sub>2</sub>**

**Hydrogen**

**CO**

**Carbon Monoxide**

**And other Gases on Specific Enquiry**

**# Alert Ever Accident Never #**



## Dies in explosion

By Our Staff Reporter

**HYDERABAD, AUG. 1.** Forty-year-old man died while four others sustained injuries in an explosion at Balaji re-rolling factory in Nacharam on Friday.

The police said the blast occurred due to gas leakage and Jagan Reddy, 40, died. He was a painter in the factory. He sustained injuries. He was shifted to hospital where he died.

## 2 killed in explosion at city Bhel plant

FROM OUR BUREAU

**Hyderabad, March 1:** Two persons were killed in an explosion at a gas plant in Bharat Heavy Electronics Limited at Ramachandrapuram on the city outskirts on Monday night.

The explosion occurred Acetylene gas plant at 9.30 pm, killing both the operators working there.

Acetylene gas is piped to all the units at BHEL from the plant, and it generally works 24 hours. The gas is used for cutting metals. The gas has a pungent smell, and it is possible that the workers could smell the gas.

Two workers were killed. One died. The other was injured at the scene. The police are probing the cause of the explosion. Medak police station is investigating the case. Police D S

Ramachandrapuram DSP S Sadanad began an inquiry into the incident.

The BHEL fire services unit was pressed into service immediately and the fire was controlled. There is no threat to other property, authorities said.

Acetylene is a compressed gas that is usually stored in liquid state. The liquid turns to gas when the valves of the tank are opened. Acetylene tanks have to be kept in upright position: the gas is highly inflammable.

**GAS VIGIL HELPS YOU AVERT SUCH KIND OF INCIDENTS**



Fire service personnel rescue people trapped under the debris of an apartment complex which was ripped apart by a gas cylinder explosion in the wee hours of Sunday. At least 33 people were killed in the incident. Report, page 8

## 300 killed in shopping centre fire



A woman cries while waiting for news of her relatives outside the Youa Belanos supermarket destroyed by fire on the outskirts of the Paraguayan capital, Asuncion, on Sunday. — Reuters

ASUNCION (PARAGUAY), AUG. 2. Nearly 300 persons were killed and hundreds more injured when a fire raced through a shopping centre on the outskirts of the Paraguayan capital, police said on Monday.

The toll in Sunday's blaze was especially high because shopping centre security personnel locked the main doors to prevent customers from fleeing without first paying.

Firefighters believe the fire was ignited by a spark in an industrial-sized propane gas tank in the food court.

A police spokesman, Santiago Velasco, said early on Monday that at least 300 persons had been killed, and more than 300 were injured.

"It is possible that if we are more braver," Mr. Velasco said. "We are still removing bodies."

The fire spread in a cautious, slow manner, he said, refusing to state the whole building collapsed due to structural failure.

The blaze consumed a significant part of a supermarket at the shopping complex, which also houses offices and a parking garage.

Witnesses said that in the chaos that ensued they heard several explosions. Officials said the fire had likely been sparked by gas canisters that subsequently exploded. — AFP

**GAS VIGIL HELPS YOU AVERT SUCH KIND OF INCIDENTS**





## Medical college hostel gutted

SRINAGAR, MAY 3. A devastating fire has razed the Government Medical College men's hostel building here.

The fire, reportedly caused by a stove burst in the canteen last evening, engulfed the entire 200-room hostel, located at Bemina area of central Srinagar, official sources said today.

However, there was no casualty, they said.

Both blocks of the three-storey hostel building were destroyed, the sources said.

Fire Brigade personnel had a tough time controlling the blaze as wind and dense smoke hampered their operations. — PTI



Flames engulf the 200-room men's hostel of the Government Medical College in Srinagar on Sunday.

**GAS VIGIL HELPS YOU AVERT SUCH KIND OF INCIDENTS**



# Fire in restaurant; 26 burnt

**EXPRESS NEWS SERVICE**  
AHMEDABAD, MAY 29

**A**ROUND 26 people were injured, nine of them seriously, when fire broke out in the kitchen of Prince restaurant in Isanpur area late on Sunday. A leaking pipeline carrying industrial LPG gas caused the conflagration. The owner, chef and manager have been charged with negligence.

The incident occurred around 11.00 pm when Prince restaurant was packed with customers. Suddenly, there was a blast and soon the fire spread to the dining-hall. Most people ran

for their lives, but some were burnt. The injured were evacuated to nearby hospitals and L G Municipal General Hospital.

While 17 people escaped with minor burns, eight, including two minors, were admitted as indoor patients. Most of the victims, however, were treated with first aid. The injured include Budhaji (18), Urvisha Rameshbhai (3), Parth Rameshbhai (5), Fatehsinh Ramsinh (25), Devji Tagji (21), Jeetbahadur Nepali (22), Shantilal Soniji (20) and Ramesh Prajapati (40). The condition of Fatehsinh Ramsinh, who received 36 per cent burns,

is stated to be serious. The rest are out of danger. Deputy Commissioner of Police (zone V) M D Antani said the pipeline may have been leaking for some time but the fact had gone unnoticed.

One of the victims, Jeetbahadur Nepali, said, "The fire started as I was preparing to go to bed. The most unfortunate incident was that the kids Parth and Jeetji were having ice-cream. "The kids were seated on a table which is the closest to the kitchen door. There was a blast and everybody started running. My saree also caught fire, but I escaped unhurt," said Roopal Valand, the kids' mother. Her husband also sustained burns.

**GAS VIGIL HELPS YOU AVERT SUCH KIND OF INCIDENTS**





## Hotel employees injured in cylinder blast

By Our Staff Reporter

CHENNAI, NOV. 17. Seven hotel employees suffered burn injuries when a gas cylinder burst at Dasaprakash hotel on EVR Salai today.

While four of the injured persons were treated as outpatients, three have been admitted to Kilpauk Medical College hospital and the condition of one is stated to be serious.

Among the injured - clerk Balasubramani (42) of Ayanavaram, supplier Baburao (52) of Thiruninravur, mechanic Jayaprakash (45) of Madhavaram - were hospitalised, the last with severe injuries.

The four others - master Rajendran (52) of Nerkundram, butler Ramesh (42) of Kilpauk and cleaners Karthik (15) and Asalthamby (23) both from Perambalur - were treated as outpatients.

According to police, totally 20 cylinders had been stocked in a particular room which was connected to the kitchen through a pipe line. One of the cylinders burst injuring those who were near the room.

## 27 DIE IN PAKISTAN

Lahore, May 3. Multiple gas blasts tore through two houses and an ice cream factory in the eastern Pakistani city of Lahore early on Tuesday, killing at least 27 people and maiming several others, the police said. Rescuers were desperately searching for people buried in the rubble of a collapsed four-storey block in a residential suburb of the city, Lahore police superintendent Mohan Ahmed said.

"I heard a deafening bang, then I awoke and the world fell in to me and then I passed out," Mr Mohan said. Minibus 20, all employees at the ice cream factory, said AFP at the scene.

Mr Madras, who suffered superficial facial injuries, added: "The next thing I knew I was being pulled out of the rubble by rescuers - several hours later."

Witnesses said they could hear cries for help from people buried under the debris, while scores of emergency workers were seen at the scene.



...-storey building

**GAS VIGIL HELPS YOU AVERT SUCH KIND OF INCIDENTS**

help out nearby. The dead included five women and two children. Seven of the fatalities were from the same family, the police said. "More bodies have been pulled from the rubble and now we have 27 dead, many are still trapped and the death toll may go up," police officer Zahur Nawaz Chatha said.

A gas cylinder caught fire and the blaze spread to other houses around in the basement, resulting in a huge explosion that "100 per cent destroyed" the building, he said. (AFP)

Kabul, May 3: Radical Afghan clerics on Tuesday unveiled plans to launch the country's first Islamic television channel since the fall of the fundamentalist Taliban regime more than three years ago. A group of hardline religious scholars based in the capital, Kabul, said the station would counter what they say are immoral and un-Islamic programmes being broadcast by other channels.

"We plan to launch our own TV channel and through this channel we will broadcast Islamic programmes," said Qasimuddin Karzai, a spokesman for the Islamic Council, the group behind the plan. Afghanistan has witnessed a rapid growth in television stations since the fall of the hardline Taliban in late 2001, which banned all cinemas and television during its 1994-96 rule.

The Taliban itself last month launched a pirate radio station operating from a secret base. Its transmitter which broadcasts religious material as well as invective against the US-backed government of President Hamid Karzai.

The clerics, who are not linked with the ousted regime, have not yet chosen the TV channel's name.

**SPOTLIGHT**  
Mr Karzai said women would appear on screen, but under a full Islamic veil

would in the that P Karzai help th so stan details would I said. M spoken distri; stant. Ja ran TV, channel beris on rity are Afghan





TM

# **GAS LEAK DETECTION SYSTEM**

**GAS VIGIL Detection Systems are used in :**

- **LPG YARD**
- **GAS MANIFOLD**
- **UTILITY / PRODUCTION AREAS**
- **KITCHENS**



## PRODUCT DESCRIPTION

### Processing Unit:

The central processing cum display unit consists of signal processing circuitry, where the milli volt signals received from the sensor module are amplified to activate visual warning through LED indicators and other optional display units. The hooter siren will also simultaneously activate to give the audio warning. The system is also equipped with provisions for additional outputs as per customer requirement.



### Sensing module:



The sensing module consists of a sensor with high sensibility, linear performance characteristics, housed in a flame proof enclosure, which is approved by CCOE & CMFRI. These sensor modules are placed at strategic locations and are connected to the central processing unit.

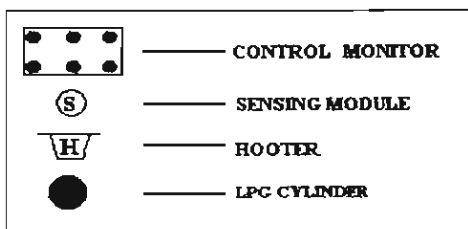
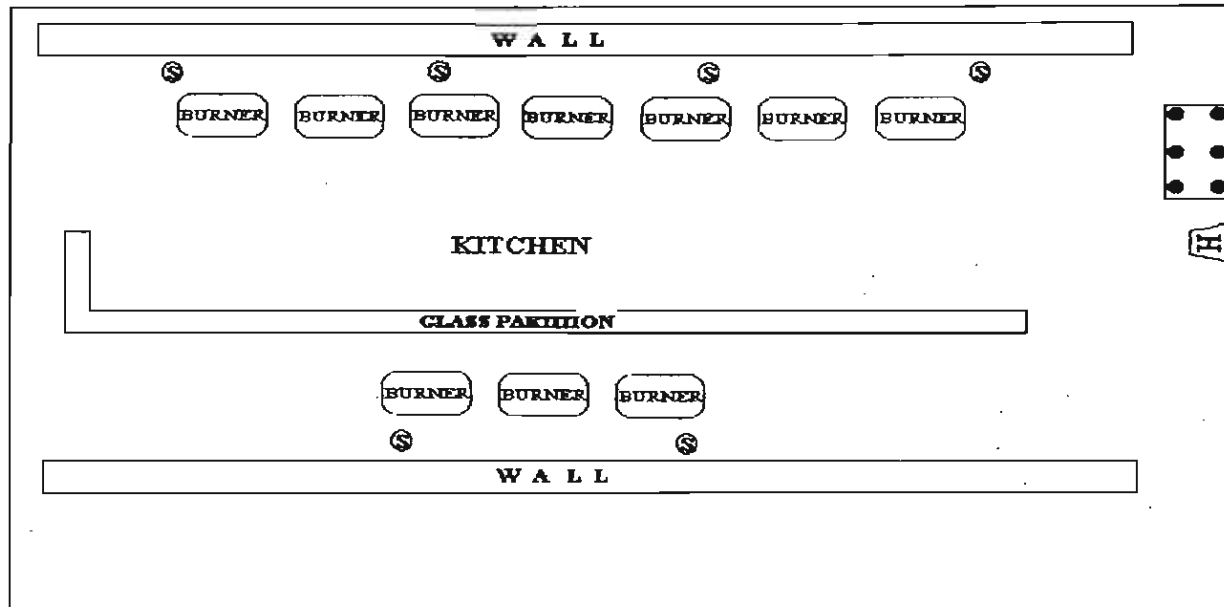
### Shut off device:

A gas shut off device that can automatically cut off gas supply in the event of a gas leak activation, which is recommended for utility areas are also available as an optional feature.





# Gas Detection Schematic in Kitchen





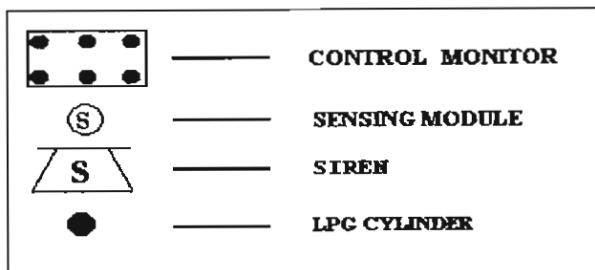
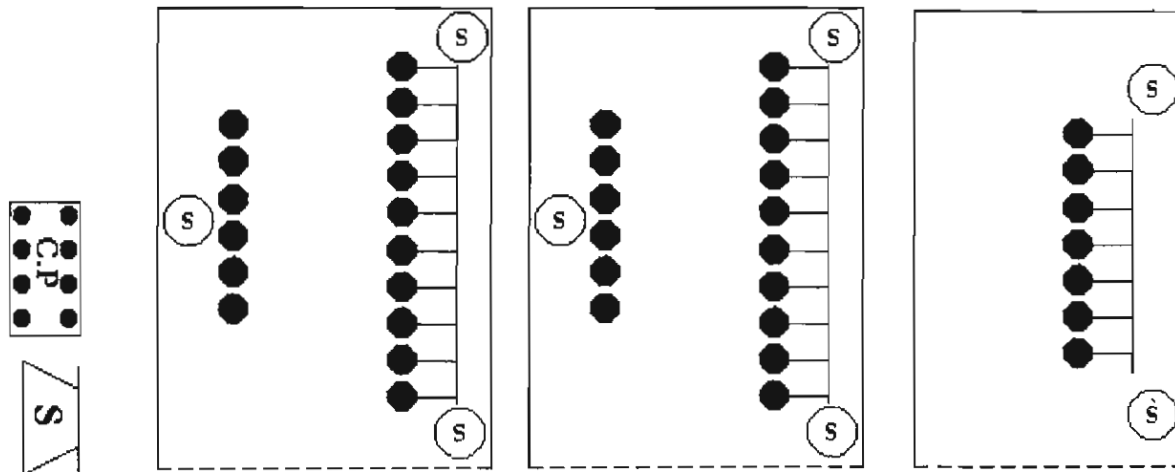


# Gas Detection Schematic in Gas Bank

**GAS BANK 1**

**GAS BANK 2**

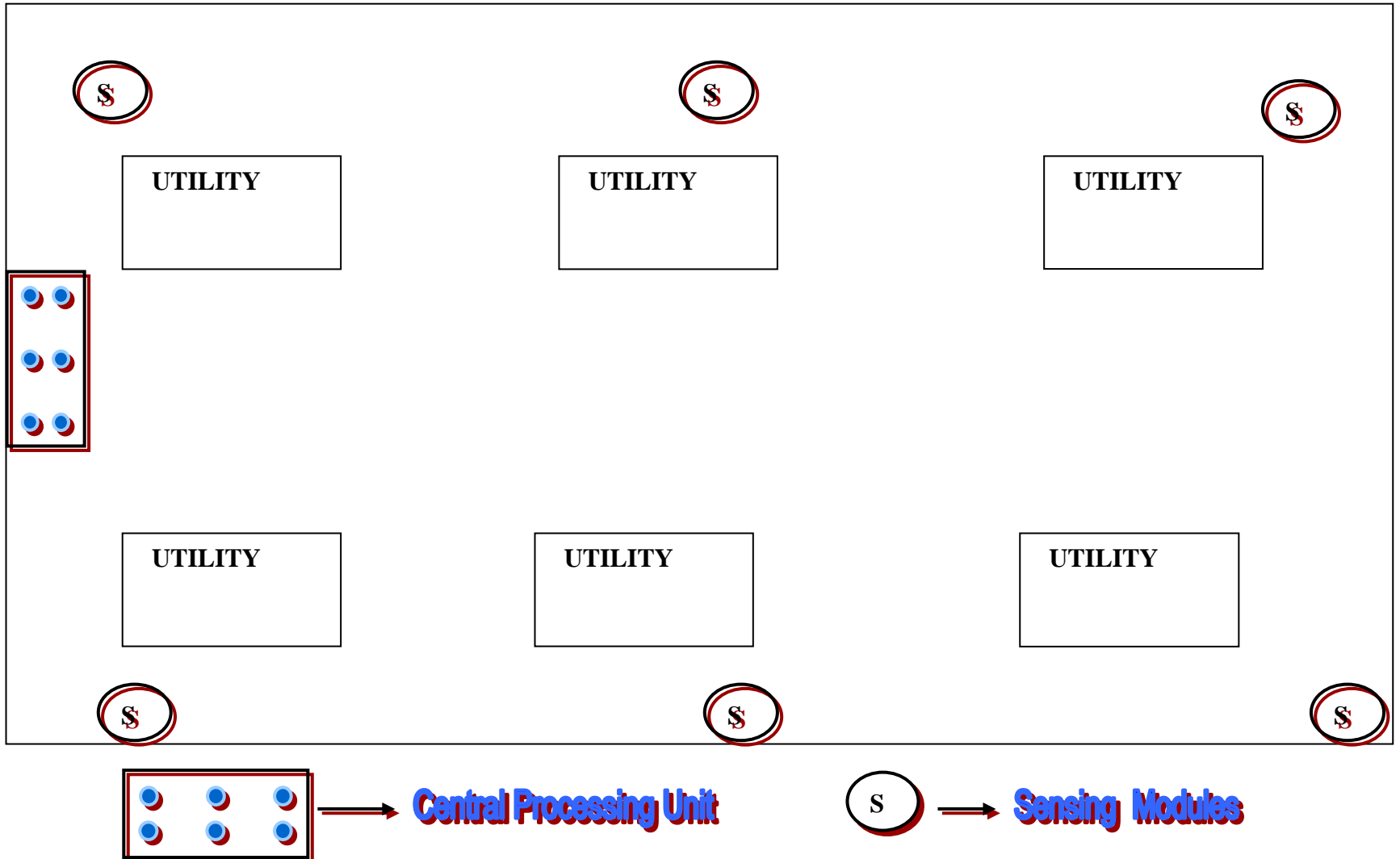
**GAS BANK 3**







# Gas Detection Schematic in Utility Area





## LIST OF CUSTOMERS

### COMMERCIAL INSTALLATIONS (Gas Banks / Kitchens)

- Taj Vivanta, Hyderabad
- Taj Falaknama Palace, Hyderabad
- J W Marriot , Bangalore
- Park Hyatt , Hyderabad
- Park Hyatt , Chennai
- Crown Plaza - Cochin
- Crown Plaza – New Delhi
- Holiday Inn, Cochin
- Sheraton Fourpoints, Visakhapatnam
- Novotel Ibis , Bangalore
- Country Inn & Suites , Gurgaon
- The Leela, New Delhi
- Taj Residency, Trivandrum
- Taj Gateway , Vizag
- Taj Banjara , Hyderabad
- Westin , Chennai
- Marriot , Cochin
- The Park, Hyderabad
- Movenpick hotel , Bangalore
- Air India , Mumbai International Airport
- TAJ Sats Flight Kitchen, Bangalore Intl Airport
- LSG Sky chefs Flight Kitchen (Hyderabad & Bangalore airport)



- GVK One , Mall , Hyderabad
- LuLu International , Cochin
- Microsoft Pvt Ltd , Phase I & II Hyderabad
- Infosys Technologies Ltd - Bangalore, Chennai, Mysore, Pune, Hyderabad, Bhubaneswar, Mangalore, Chandigarh, Trivandrum. jaipur
- Wipro Technologies Ltd - Bangalore, Hyderabad, Chennai, Cochin
- Franklin Tempelton , Hyderabad
- Intel Technology, Bangalore
- Google - Bangalore , Hyderabad
- Mercedes Benz India Pvt Ltd,Pune
- Nokia Telecom, Chennai
- Computer Associates (CA), Hyderabad
- IBM Facilities (Pune, Bangalore, Kolkata, Noida)
- Motorola, Chennai
- Tata Teleservices, Hyderabad
- Honeywell Technology solutions Lab Ltd , Bangalore , Madurai
- Sasken Technologies Ltd , Bangalore , Pune
- Deloitte Consulting India Pvt Ltd , Phase I , II & III Hyderabad
- Hindustan Unilver Ltd , Bangalore
- Cadbury India Ltd , Pune
- Dell International Services , Hyderabad, Mohali,
- Toyota Kirloskar Motors Ltd , Bangalore
- CISCO , Bangalore
- Sree Lakshmi Energy Systems, Cochin
- Nuclear Fuel Complex (Defence) Hyderabad
- Hotel United 21 , Secunderabad
- Tata tele services Ltd , Hyderabad



- Capital Q , Hyderabad
- Hyderabad Industries Ltd , Hyderabad
- BMW India Pvt Ltd , Chennai

#### **BULK INSTALLATIONS (Industrial)**

- Mercedes Benz , Pune
- Bharat Benz , Chennai
- Toyota Kirloskar Motors Ltd , Bangalore
- Total Oil India Ltd
- Super Gas Bottling Plant , Thane
- ITC Paperboards , Bolarum , Medak , A.P
- Samsung Electronics India Ltd, Chennai
- DMRL (Ministry Of Defense) Hyderabad
- Caterpillar pVt Ltd , Chennai
- Ceethar Vessels Pvt Ltd , Trichy
- Wabco – TVS, Chennai
- Telcon (Tata-Hitachi) Dharward
- Areva T & D India Ltd , Hosur
- Schaeffler group automotive (Luk India) Hosur
- Hindustan Aeronautics Ltd ( HAL ) Bangalore
- Hindustan sanitarywares & Industries Ltd (Glass Division) Hyderabad
- ELKAYEM Auto Parts, Hosur
- Cadbury India Ltd , Pune
- Sundaram Fasteners (EOU) Hosur
- ITW Signode India Ltd , Medak , A.P.
- USHA International Ltd, Hyderabad
- Agi Glaspac Ltd , Hyderabad





- **Vijay Electricals Ltd , Hyderabad**
- **Ordinance Factory (Def) , medak AP**
- **G T N Industries Ltd , Medak , AP**
- **Toyota Kirloskar Auto Parts , Bidadi , Bangalore**
- **Vishay Components Ltd , Pune**
- **Automotive Axle Ltd , Mysore**
- **Stump , Schule , Somappa Ltd , Chennai**
- **Unibic Biscuits Ltd , Bangalore**
- **Sundaram Clayton Ltd (TVS) Hosur . T.N**
- **Harita Seating Systems Ltd (TVS ) Hosur T.N**
- **T V S Motor Co Ltd , Hosur**
- **Johnson Mathey Ceramics Ltd , Hosur T N**
- **Sundaram Bleisthal Ltd , Hosur**
- **I M Gears Pvt Ltd , Chennai**
- **Hognas India Ltd , Ahmednagar**
- **Carborandum Universal Ltd , Hosur**
- **The Hindu , Hyderabad**
- **Asian Paints Ltd , Medak. AP**
- **L G Balakrishna Bros Ltd , Mysore**
- **Fenner Conveyor Beltings Ltd , Madurai**
- **Tube Products Of India , Chennai , Shirwal**
- **Tempel Steel Corporation USA , Chennai -Plant**
- **Premier Mills Ltd , Coimbatore, Hosur**
- **Concorde Co LLC , Dubai**
- **Golden Falcon Petroleum Services, Abu Dhabi**
- **Sundaram Fateners Ltd, Rudrapur, Uttarkhand, Chennai**



- Rail Spring Factory, Gwalior
- Supreme Industries Ltd (Gwalior, Hosur, Pune)
- YSI Auto Components , Chennai
- B A S F , Chengalpet, Chennai
- Andrew Telecommunications India Ltd , Goa
- Comstar (Ford) , Chennai
- Modine Thermal Systems , Chennai
- Wienerberger Industry Pvt Ltd , Kunigal
- SRF , Gummidipondi , Chennai
- Monsanto India Ltd , Bellary , Karnataka
- Caparo Group, Chennai
- Modern Foods, Hyderabad
- Raja Crown Pvt Ltd , Hosur
- Avtec Ltd , Hosur
- Rail Coach Factory , Kapurthala
- Rdevis Engineering Pvt Ltd , N Delhi
- Flsmidth Pvt Ltd , Chennai
- Floressance Perfumes Pvt Ltd , Pune
- Pyramid Cosmetics Pvt Ltd , Thane
- Sygenta India Ltd , Hyderabad
- HSIL Ltd (Hindware) Hyderabad
- Schneider Electric Pvt Ltd , Hyderabad
- Stove Kraft (Gilma) Bangalore
- USP Organics, Hyderabad
- Pearl Beverages (Pepsico) Guntur AP
- Telcon (Tata- Hitachi) Dharwad



**GAS VIGIL**

Install Gas Vigil System for your gas needs and avail full protection from possible disasters.

**“ A one time premium for  
Life time safety cover “**



**For further Details, please feel free to contact us at**

**GR Tech Services**

**20-29, Gautam Nagar  
Malkajgiri  
Hyderabad – 500047**

**Contact Person: T.R.Rajagopalan  
Mobile: 91 93910 35881**

**E mail: [raj@grtechservices.in](mailto:raj@grtechservices.in)  
[rajgrtech@rediffmail.com](mailto:rajgrtech@rediffmail.com)**





**THANK YOU**