# SPECIFICATION FOR GAS DETECTORS

1. The gas detectors shall be in a flame proof housing and shall conform to IS 2148  
  
2. The sensing method of the detectors shall be "CATALYTIC COMBUSTIBLE"  
  
3. The detectors shall be mountable on floor or wall.  
  
4. The detectors shall be able to detect leakage at 10% of the lower explosion limit (LEL)  
  
5. The detectors operating voltage shall not be more than 2 volts  
  
6. The detectors shall be capable of detecting gas leakages for Acetylene and Bharat cutting gas  
  
7. The detector signal strength should be such that an alarm bell is given at 100metres distance  
    from the leakage detection area  
  
8. The storage methodology of the gases in our gas stores shall be as follows:  
  
                Acetylene   -     240 Kgs in a 10m x 10m room  
  
                Bharat cutting gas   - 875 Kgs each in three rooms of size 10m x 10m

9. The Erection and Commissioning of the Gas leakage detection system shall be in the scope of supplier. The supplier may be asked to quoted accordingly.

          Note:-     All the above four rooms are one after the another