

**GOVERNMENT OF INDIA
COMMERCE AND INDUSTRY
LOK SABHA**

UNSTARRED QUESTION NO:5811
ANSWERED ON:02.05.2003
FIRE SAFETY INSTRUMENTS AT CNG STATIONS
SUKDEO PASWAN

Will the Minister of COMMERCE AND INDUSTRY be pleased to state:

[a] whether C.C.O.E. Nagpur had given any instructions to compressor operators at C.N.G. stations for mandatory installation of fire safety instrument panel ;

[b] if so, whether the same is provided with every compressor at all the CNG stations in Delhi ; and

[c] if so, the details thereof ?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF COMMERCE AND INDUSTRY(Shri CH. Vidyasagar Rao)

(a) No specific instructions have been issued by the CCOE, Nagpur to compressor operators at CNG stations for mandatory installation of fire safety instrument panel. However, as per Oil Industry Safety Directorate (OISD) standard 179, all CNG stations are required to provide fire protection facilities/ fire safety instrument panel.

(b) & (c) The above fire protection facilities/fire safety instrument panel is provided in all the CNG stations with every compressor. The details of these facilities include :

- (i) Pressure relief valves on inlet and all stages to prevent pressure build up above the predetermined set point.
- (ii) High discharge temperature shut down
- (iii) High cooling water temperature switch fitted to cooling water return line to shut the compressor in the event of a fault.
- (iv) High, inlet, inter stage & discharge pressures shut down
- (v) Low lube oil pressure shut down
- (vi) Low cooling water flow switch fitted to the cooling water return line to shut the compressor in the event of fault.
- (vii) A remote isolation switch for emergency shut down to be provided with manual reset at control panel.

In addition to above safety features, compressor units are installed with gas detectors and ultra violet/ infrared ray detectors to detect gas leakage and flame. The above safety features are interlocked with compressor cut out switch in the electrical system of the compressor which could automatically switch off the unit in case of major gas leak/ fire or in case of deviation of standard safety settings.