



Amendment-I for Technical specification of Fire detection and Alarm system including Fire Extinguishers

Following changes are required to be considered applicable in technical specifications of Fire detection and Alarm system including Fire Extinguishers.

Sr. No.	Existing Clause no.	Existing Description	To be read as
1.	1.00.4.1.2 for Heat Detectors / Fire Detectors (pg. 4 of 8)	Both smoke and heat type fire detectors shall be used. Bidder shall clearly indicate the mode of operation of detectors in his proposal.	Fire detection and alarm system shall be provided in the GIS Hall using beam type smoke detectors to be installed at suitable mounting height, in the Pantry room with Heat detectors and in all other rooms with ionization/ optical type smoke detectors to be installed on the ceiling.

DATA SHEET FOR OPTICAL SMOKE DETECTOR

1.0	Manufacturer	POWERGRID Approved make
2.0	Principle of operation	Light scattering by smoke particles.
3.0	Max. recommended spacing	9 m.
4.0	Normal operating temperature	-10°C to 60°C
5.0	Guaranteed to function properly without any maintenance work for a period of not less than ten (10) years	Yes. Accumulated dust to be removed periodically by blowing air.
6.0	Approval of detector	FM of USA, UL of USA, LPCB of U.K. or VDS of Germany
7.0	Cabling.	2C x 1.5 sq.mm. Un-armoured PVC insulated FR cables conforming to IS 1554 (Part 1).