

		<p>33. Suitable filter circuit shall be provided in all the chargers to limit the ripple content.</p> <p>34. DCDB panel shall be supplied as per site requirement and relevant standards.</p> <p>35. DC lighting to be finalized during detailed engineering as per system requirement and consultation with NTPC.</p>
25	Fire Detection & Alarm System	<p>The Fire Detection and Alarm System shall be an independent, micro-processor based Analogue Addressable system comprising of individual break glass type manual call points, automatic sensors e.g., smoke/heat detectors, hooters, exit signs, Main DGFAP, battery, battery charger and other hardware. The system shall be designed to provide audio-visual indication at the main fire alarm panel to be located in fire station and zonal panels. The fire detection system shall be interfaced with fire suppression system, HVAC system, pressurization system, plant communication system, and any other systems as required.</p> <p>The scope of vendor includes Engineering, Supply, Construction, Erection, Testing and Commissioning of Fire Detection and Protection System. The scope of equipment to be furnished and erected under this specification shall cover all the systems and equipment's detailed hereunder.</p> <ol style="list-style-type: none"> 1. Analogue addressable type Fire alarm system consisting of multisensory detectors, cabling, junction boxes, instrumentation, fire alarm cum control panel etc for various area/equipment shall be provided for plant area shall be provided. 2. The fire alarm cum control panel shall also be interfaced with CISF and main plant fire station for information exchange. If required, same shall be finalized at the stage of detailed engineering. 3. Any other item required for the system shall be provided by contractor.
27	Fire Protection System	<p>The Fire Protection system shall be conceived to operate both in prevention and fighting mode, depending on the relevant actions selected, either manual or automatic. The firefighting system shall be designed & provided as per relevant standards and CEA guidelines.</p> <ul style="list-style-type: none"> o Fire Water system (including Hydrants, monitors, HVLRM, automatic spray system on process equipment's) o Clean Agent System for Control room/SRR o DCP extinguishing system as per NFPA 17 o CO2 extinguishing system as per NFPA 12 o Automatic Water spray system in product warehouse