

SITE ASSESSMENT PROFILE – ELECTRICAL

Date	Site Name	Completed By
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Overall Site Information	Description (Quantity/Size)
<p>Electrical (include site maps, layouts)</p> <ul style="list-style-type: none"> • Incoming supplies, • Switchyards • Substations (fixed) • Power distribution (overhead, underground) • Mobile substations • Renewable power • UPS for critical power • Battery backup systems • Other (describe) 	
<p>Production</p> <ul style="list-style-type: none"> • 24 hours x 7 days/week, • 10 hours x 5 days/week, • Batch production (operating hours/week) • Downtime costs • Include site layout and process flow diagrams 	
<p>Maintenance</p> <ul style="list-style-type: none"> • Maintenance practices; e.g. preventative, predictive breakdown, or combination (describe) • On-site technical skills capability? • On-site diagnostic equipment? • Condition monitoring tools (hardware/software) • Availability of spares (in store, or off site) 	

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(attach pages with responses to the sub-headings below as required)

Electrical System	Description	Importance
a) Size, layout of substations, power distribution? e.g. topographical maps showing main equipment infrastructure towers, UG cable, distances, heights.		
b) ignition sources? <ul style="list-style-type: none"> • transformers, • HV & LV switchgear, • overheated power lines, • power factor correction, • HV & LV cabling, • MCC's • General light & power List location, type and quantity?		
c) existing fire and/or heat detection? e.g.CO, infra-red detectors, CCTV, smoke detectors, location, coverage, zoning List location type and quantity?		<input type="checkbox"/> High <input type="checkbox"/> Low <input type="checkbox"/> Not Important
d) fire or heat location and alarm system? e.g. automatic or manual (personnel detection), cable and/or equipment heat sensing. Describe type, locations, resolution		<input type="checkbox"/> High <input type="checkbox"/> Low <input type="checkbox"/> Not Important
e) firefighting equipment & personnel? e.g. fire extinguishers, automatic suppression, sprinklers, gas. List location type and quantity?		<input type="checkbox"/> High <input type="checkbox"/> Low <input type="checkbox"/> Not Important
f) remote monitoring of fire or abnormal heat? e.g. local, integrated, centralized for evacuation management, fire movement, and historical data for investigation. List location, type and quantity?		<input type="checkbox"/> High <input type="checkbox"/> Low <input type="checkbox"/> Not Important
g) emergency access to this equipment or area for firefighting activities? Describe entry points.	<input type="checkbox"/> Poor <input type="checkbox"/> Good <input type="checkbox"/> Excellent	
h) Business Impact Effect: <ul style="list-style-type: none"> • Personnel Safety • Environmental (EPA, community impact) • Equipment Damage (Repair, Replace) • Production Loss (Downtime) • Legal (Compliance breaches) • Loss of reputation • List risk assessments relevant to impacts 		