

Project: Cummins Diesel Factory.

Location: Carole Park, QLD.

Description of works:

Ground works:

- Over 2km of underground conduit runs for consumer mains, submains to service the four separate buildings, cabling for carpark lighting, security lighting and motorized gates, and internal cabling requirements.
- Construction of a substation site for the Energex 1000Kva transformer.
- Caged footings for carpark lighting poles.

Large Scale Cabling:

- Installation of 16 x 400mm² Copper XLPE consumers mains.
- Installation of submains in sizes up to 400mm² copper XLPE.

Switchboards:

- Installation of 2000A main switchboard (pictured) via mobile crane.
- Installation of 8 x Distribution Boards throughout site.

Generator:

- Connection of Diesel Generator Set to main switchboard via link box.

Lighting

- Installation of a wide range of lighting as required in specific work areas including: Highbays, fluorescent troffers, downlights, flood lighting, pole-top carpark lights and emergency exit lighting.
- Lighting control systems including switching of all office lighting by PIR installed throughout the building and automation of external lighting via PE cell and timers.

Power

- Installation of power throughout site to meet client requirements, including providing supply to overhead cranes, three phase supply for machinery through to workstation fitouts in the office.

Achievements:

- Project completed on schedule (time on site 9 months).
- Less than 5 minor items on defects list at practical completion.
- Commendation from Electrical Engineer on quality of work.



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