



# ACE POWER EMBILIPITIYA

Developer: Caterpillar Power Ventures Corporation in conjunction with Aitken Spence & Co. Ltd.

Project Name: Ace Power Embilipitiya

Location: Embilipitiya, Sri Lanka

Commercial Operation: April 2005

Operator: Caterpillar Power Generation Systems

In response to an increased demand for electricity following a period of continued economic growth, Aitken Spence & Co. Ltd. partnered with Caterpillar Power Ventures to create Ace Power Embilipitiya (Private), Ltd. The result is a state-of-the-art turnkey power plant consisting of fourteen (14) Cat® 16CM32 engines, manufactured by Caterpillar Motoren GmbH & Co. KG, in Kiel, Germany, generating a total plant output of 100 MW.

Sri Lanka has been heavily dependent on hydro projects as the primary source of electric power, comprising up to 70% of the nation's electric power capacity. Changes in weather patterns during recent

years, have impacted the reliability of the hydro-powered plants, resulting in severe power shortages, power rationing, and rolling blackouts.

The Government of Sri Lanka's electric power utility, Ceylon Electricity Board (CEB), tendered the development, engineering, procurement, construction and long-term operation of the power generation facility with the main project criteria being financial viability based on reliable low-cost electricity generation. Ace Power, in turn, won the tender and entered into a ten-year power purchase agreement with CEB.

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Caterpillar Power Generation Systems (CPGS) provided the complete turnkey power plant, including equipment supply, engineering design, project management, construction and commissioning. The use of pre-built mechanical modules, pre-packaged electrical control rooms, and the services provided by CPGS allowed for the timely completion of the power plant despite the dire conditions of the post-tsunami area.

The Embilipitiya plant supplies economical grid power at nearly half the price of the emergency power the Government previously purchased. CPGS continues to be involved, providing full operation and maintenance services. The equipment supplied by Caterpillar provides a comprehensive power solution for its owners, demonstrating a proven ability to generate low cost electrical power from a highly reliable plant.

Caterpillar Power Generation Systems provides total solutions for your business. We have the equipment, services, knowledge and experience to help meet your 1-100 MW power needs.

For additional information visit our website: [www.cat.com/powerplants](http://www.cat.com/powerplants) or email us at: [cat-powerplants@cat.com](mailto:cat-powerplants@cat.com).

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