

**June 2005**

## **Petrotrin constructs New Power Station at Refinery**

Petrotrin has begun construction of the new Power Station 'A' Substation. At the heart of operations in the Pointe-a-Pierre refinery, the Power Station 'A' Substation provides power for a number of Units including #8 Crude Distillation Unit (8CDU), #1 Catalytic Reforming Unit (1CRU), #2 Catalytic Reforming Unit (#2CRU), the Central Steam Plant, Site 5 Control Room and the Guaracara Park and Medical Centre among others.



The new power station will provide a reliable supply for key plants.

"Basically this Substation provides power for all of South Area and #8CDU in North Area," said Project Engineer, Electrical Mr. Paul Ganness.

He said a decision was taken to construct a new Substation after it was determined that the existing essential switchgear at Power Station 'A' was unreliable and beyond maintenance.

"Also the existing Power Station 'A' Substation could not accommodate the replacement equipment," Mr. Ganness said.

The new Power Station 'A' Substation is to be constructed in the demolished Boiler House Area of the existing Power Station.

Mr. Ganness describes this project as one of the bigger Capital Expenditure (Capex) projects outside the Gasoline Optimization and Test and Inspection programs.

Mechanical works required for this project include the relocation of existing process and utility lines and the demolition of the redundant Power Station 'A' Turbine House and Switch-house after the commissioning of the new Substation.

Civil works for the project include sub-surface investigation, the New Power Station 'A' Substation construction and Cable Trench construction. The project's scheduled completion date is March 2006.

"So far major equipment procurement is 90% complete and substation construction has started," Mr. Ganness said. "We have contracted, Amalgamated Engineering Services Ltd to work with us during the construction phase of this project."

Team members for this project include Head, Projects Engineering Mr. Garrick Warner, Project Engineer Electrical Mr. Paul Ganness, Civil Engineer I Ms. Vasha Maharaj, Construction Supervisor Electrical Mr. Gaston Pereira, Construction Supervisor Civil Mr. Mervyn Barclay, Civil Draughtsman Mr. Arnold Alexander and Electrical Draughtsman Mr. Terry Ramsingh.