



‘MUELA HYDROPOWER STATION ANNUAL ROUTINE MAINTENANCE COMPLETED SUCCESSFULLY

For approximately one month business at the ‘Muela Hydropower Station took a different turn as our team of Technicians, Supervisors and Engineers embarked on the annual routine maintenance of the Turbines.

This exercise involves the opening and removal of the Air shields for inspection of the Generator components, thus, the Stator, Rotor, mechanical Brakes and the Generator Bearings. Inspection of any signs of overheating on the Stator by inspecting the temperature strips to see any colour changes which signals overheating. Then to visually check for oil leakages on the bearings and assess if there were any spillages on both the Stator and Rotor. It is also important to check on the Stator if there is no need to clean out any kind of build-up of dust that could affect the insulation of the Stator and Rotor windings.

This entails a lot of precision as the work includes also to check the status of the Mechanical Brakes that are fitted at 15mm and need to be monitored to not wear out to less than 7mm measurement, in which case they will have to be replaced. With so much enthusiasm and determination, this team of specialists work in turns to do the duplication of work on each of the three Units in the Hydropower Station.

