

**Definitions:**

High criticality plant is considered to be extremely important to the treatment process, loss of which would give cause to high consequential effects. Equipment with a high rating will require a comprehensive maintenance strategy comprising Condition Based Maintenance, Planned Overhauls (where economically viable), PPM tasks, and investigations into replacement, refurbishment or redesign, should the equipment be failing due to being unfit for purpose or age problems.

Medium criticality plant is important to plant operation and in general would cause minor to moderate problems should it fail. Equipment with a medium rating should be maintained on condition and those with consistent problems should be investigated for replacement, refurbishment or redesign. Basic maintenance in the form of lubrication and cleaning should be maintained.

Low criticality plant is considered to have little or no effect on the plant or on its operation should it fail. Equipment with a low rating should undergo basic maintenance with the majority of repairs made on breakdown and subject to cost. Lubrication where required should be maintained.

## **6.23 Capital Investment Plan (CIP)**

The CIP will present a multi-year capital planning that allows for the acquisition costs to be spread over a number of years to lessen the burden of financing. The AMP will rank priorities of repair based on the Annual ACS. Planned replacement of aging infrastructure can prevent costly emergency purchases from impacting on operations both technically and financially.

The CIP will include the priority of works based on the criticality ranking approach following the Methodology for Evaluating Risk in Industry linked to Dysfunction of Equipment (MERIDE). Plans for future rehabilitation, replacement and the proposed budget, schedule and method statement shall also be outlined in the CIP for the DMAT project approval.

The plan, the Capital Investment Plan (CIP), shall be submitted by the Contractor as a standalone report, for review by the DMAT / Consultant and approval by the DMAT, on a pre-determined date of each CY.

Where required, to ensure that operations continue uninterrupted, the Contractor shall submit a plan for the acquisition and replacement of critical assets that have been ranked with an agreed ACG grading and all infrastructure assets within each Calendar Year which are within DMAT scoping.

## **6.24 Data Gathering for Asset Management**

The established model of data management for the business needs has three levels:

- a) Policy - what data is required
- b) Ownership - management of the data
- c) Delivery - use of the data (end users)

A set of guiding policies related to data management have been derived and include:

- Data Requirements (what data is needed)
- Data Quality Standards (for every data item)