

Scope of Work

Technical support & crusher maintenance within Primary & Fine Crushing

1. Background

This contract is for the provision of technical support and performs crusher maintenance within Primary and Fine Crushing area.

The work will entail:

- 1.1 Maintenance of eight 7ft Symons type and two 54/74 Superior Gyratory Allis-Chambers crushers.
- 1.2 Mechanical fitting and boilermaker work requirements associated with crusher maintenance.
- 1.3 Technical planning to predict and coordinate parts requirements and maintenance interventions.
- 1.4 Routine crusher liner maintenance.
- 1.5 Technical engineering support, building knowledge, improve maintenance tactics and improving reliability of the respective crushers.

The ultimate goal of the service is the provision of maintenance services on crusher and crusher components to extend the lifespan of crushers through a targeted and comprehensive maintenance strategy. Successful outcome of the service will ensure availability and reliability of crushers, on time and within set budgets.

2. Scope of Work

2.1 Technical engineering:

Technical support will entail routine crusher assessments to improve the understanding of running conditions, investigating failures, scoping major maintenance on Primary, Secondary, Tertiary and Quaternary crushers before and during dismantling.

Refurbishment of the respective crusher spare components to original specification does not form part of this service contract but the service provider is to site manage spares needs, provide technical support in establishing QA/QC process on site, monitoring the respective aspects of such a process to identify maintenance requirements on the respective crusher components.

2.2 The crusher maintenance strategies consist of:

Major maintenance: Planning to confirm the strategies

1. 6-monthly: Service & inspection
2. Yearly: Major service and inspection,
3. 2-yearly: Component change-out and service,

4. 4-yearly: Mainframe change-out and service.

Routine maintenance:

1. Routine dismantling and installation of bowl and mantle component change-out based on liner life to achieve the set production plan within the operational circuit.
2. Routine offline overhauling of the bowl and mantle components.