

GEOSEVEX

BALL MILL SERVICES

BALL MILL MECHANICAL INSPECTION (BMI)



Why Geoservex ?

We are well experienced in various design of OEM makes ball mills in order to evaluate the condition of ball mill. An inspection to be executed by our Geoservex Mill specialists with in-depth knowledge of complete mill components for ensuring optimal, trouble-free operation.

Geoservex-India proudly launching “Ball Mill Mechanical Inspection” (BMI) services for all the esteemed customers.

Inspection During Static Condition of the mill :

To get a detailed picture of the mill’s overall condition, including parts that need to be replaced, it is important to carry out an external and internal inspection during standstill.

- ▶ NDT analysis of Mill Components.
- ▶ Inspection and Alignment of Mill Components.

NDT Analysis



- ▶ Checking of thickness of trunion journal.
- ▶ Mill Shell Thickness.
- ▶ UT of trunion journal.
- ▶ UT of all welding joints.
- ▶ UT of all T Joints.
- ▶ MPI of Girth Gear and Pinion.
- ▶ MPI of Mill Manhole door.
- ▶ MPI of trunion neck area.

Inspection and Measurement



- ▶ Mill trunion radial run out.
- ▶ Mill lifting at inlet/outlet.
- ▶ Mill slide ring radial run out.
- ▶ Measurement of Girth Gear axial and radial run-out.
- ▶ Measurement of root gap & backlash of gear and pinion.
- ▶ Inspection of trunion lubrication unit.
- ▶ Visual inspection of mill components.

Final Report

When inspections of mill components have been carried out, our specialists provide a final comprehensive technical evaluation and analysis report, as well as recommendations for repairs, spare parts, adjustments and optimizations.

The report is an essential document to help production and maintenance departments plan future maintenance activities, such as ensuring that the right spare parts are available, and – most importantly – avoid unscheduled, costly shutdowns.

The following information will be available in our detailed report for availability of mill in continuous operation without any breakdown.

- ▶ Action to be taken as soon possible.
- ▶ Action to be taken during shutdown.
- ▶ Action to be taken for future activities.
- ▶ Modification of mill maintenance.
- ▶ Spare parts managements.

Key Benefits:

- ▶ Minimize the downtime.
- ▶ Optimize the mill availability.
- ▶ Performed during operation/standstill of mill.
- ▶ Uninterrupted production.
- ▶ Executed by highly experienced Geoservex mill specialist.
- ▶ Final presentation and sharing of knowledge with plant personnel.
- ▶ Recommendations for future improvements.





GEOSERVEX

Head Quarter In Poland

Geoservex, Zbigniew Krystowczyk,
Engineering Measurements Enterprise,
Str.Kościuszki 27/19A,
85-079 Bydgoszcz, Poland

Tel : + 48 52 3456 250,
Fax : + 48 52 3456 255
email : office@geoservex.com

Head Quarter In India

Geoservex Hub India Pvt Ltd,
Krunal Porecha (G.M- Sales & Service)
F2, B1, Sai Krish, 4th Main road,
CBI colony, Perungudi,
Chennai- 600 096, India.

Contact No : +91 90030 88004
email : office-india@geoservex.com