



**MFG: WEAR RESISTANT
RUBBER LINERS &
RUBBER PARTS**

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**QUESTIONNAIRE
(MILL/SCRUBBER LINING)**

Company Name : _____

Contact Name : _____ Date : _____

Address : _____
_____ E-mail : _____

Mill Type : (Ball Mil, AG, SAG, Rod, Primary, Secondary, Re grind, S crubber) _____

Mill / Scrubber Manufacturer _____ Serial No _____

Mill No. : _____ Mill Type: Batch ☐ Continuous ☐

Mill Capacity (MT) : _____

Note : Dimension Required in mm

Mill Size (Inner) a) Diameter _____ b) Length _____

Division of Shell : _____ Nos. • Division of Side Flange _____ Nos.

VPC: _____ mm. VPB: _____ Nos. HPC: _____ mm. VPB: _____ Nos.

Side Flange Diameter _____ mm Side flange Type : Flate ☐ Tapper ☐

Side Flange Diameter (CBM Only): Feed _____ mm Discharge : _____ mm

Man Hole Feed : Diameter _____ Or Length : _____ With : _____

Man Hole Discharge : Diameter _____ Or Length : _____ With : _____

Man Hole : Discharge : _____ Nos. • Feed: _____ Nos.

Side Flange PCD 1. _____ mm 2. _____ mm 3. _____ mm 4. _____ mm

Side Flange Bolt Size : Diameter _____ mm Length : _____ No. of Hols on PCD _____ Nos.

Shell Clamping Bolt Size : Diameter _____ mm Length : _____

Existing Lining ☐ Rubber ☐ Alumina Bricks ☐ Menganize

(VPC - Vertial Pitch Center, HPC - Horizontal Pitch Center, VPB - VVertal Pitch Bolt, HPB - Horizontal Pitch Bolt)

Mill Metal Plate Thickness : Shell _____ mm Side flange : _____ mm

Remarks : _____

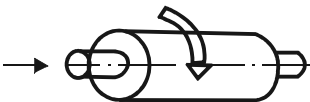
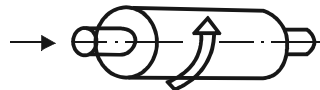
Mill Parameters

Type of mill / scrubber (Discharge)	☐ Grate discharge Existing grates, opening dimensions _____ mm _____ inch Required opening dimensions, rubber grates _____ mm _____ inch With existing grates, is open area critical ☐ Yes ☐ No
	☐ Overflow ☐ End peripheral discharge ☐ Other: _____ _____

Trunnion details	Feed _____ Diameter (mm) _____ Length (mm) Discharge _____ Diameter (mm) _____ Length (mm)
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Mill Rotation frequency	_____ Nos. Per Minute
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Mill speed	☐ Fixed ☐ Variable _____ rpm, corresponding to _____ % of crit.
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Direction of rotation (As viewed from feed end)	☐ Clockwise 	☐ Anti-clockwise 	☐ Bi - directional
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Type of grinding	☐ Wet ☐ Dry	Max. Temperature in the mill For How long Period	_____ °C _____ °F _____ Hours
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Grinding Media

Type	☐ Balls ☐ Rods ☐ Others ☐ Cylpebs ☐ Pebbles
Size	Maximum Diameter _____ mm or length _____ mm
Media Consumption	_____ grams/tonne _____ lbs/ton
Material	☐ Forged steel ☐ Cast steel ☐ Ceramic ☐ Flint ☐ Rock ☐ Other: _____
Density/Specific Gravity	Total weight of tumbling media (charge) _____ tons (metric) _____ gm/cm3

Charge volume as % of mill volume	Balls % Balls + Charge %
Distance from top of media to feed trunnion	_____ mm _____ inch ☐ Above ☐ Below

Details of Raw Material / Ore Milled

Name & Composition of ore	
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Specific gravity	grams/cm ³
Bond's Work Index	kWh/ton Bond's Abrasion Index grams/kWh
Max. size of feed	mm

80% of feed passing through	μm	mesh
80% of product passing through	μm	mesh
Required Size	μm	mesh

Pulp, percent of solids	% by weight	grams/tonne of new feed
Chemicals, oil, in the pulp	☐ No ☐ Yes pH	

Feed	New feed metric tons/hr
	Circulating load % of new feed

Motor power	kW	
Power draw	kW	Power cons kW/ton

General

Number of operating hours per annum	hrs
Percent of available mill capacity used	approx.: %

Details of Existing Liner in Mill

Liner Material	
Liner Designs	
Liner Material Performance	hrs (Working)
Liner Material life	months / years
Any issues	
Note :	Kindly provide your existing lining all parts and assembly specified drawings.

Special Comments :

General Informatoon (Fitting Lining)

(Dimensions of components when new)

	Shell	Feed End	Discharge End
Type of lining; (Rubber / Steel)			
No of rows/design			
Thickness (Plate)			
Height (Lifter)			
Metal/Rubber Backing Sheet (Thickness 3mm to 6mm)			
Tolerance in part size (mm)			

Average wear life for: lifters in hrs or tons			
plates in hrs or tons			
lining cost/ton new feed			

Observation	☐ Impact ☐ Abrasion ☐ Wear ☐ Tear ☐ Corrosion ☐ Erode
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Parts to be lined

☐ Shell ☐ Drawing enclosed	☐ Discharge end head ☐ Drawing enclosed	☐ Disch. end trunnion ☐ Drawing enclosed	☐ Manhole cover ☐ Drawing enclosed
☐ Feed and head ☐ Drawing enclosed	☐ Feed end trunnion ☐ Drawing enclosed	☐ Centre cone ☐ Drawing enclosed	

Objective Priorities

Capacity _____
Lining economy _____
Grinding media consumption _____
Other _____

Additonal informmaon

* Request to provide mill & spares each parts drawing along with application brif details to us.



QUESTIONNAIRE (MILL/SCRUBBER LINING)

KEDAR RUBBER PRODUCTS PRIVATE LIMITED

MFG: WEAR RESISTANT RUBBER LINERS & RUBBER PARTS

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