

 <p>AISHA STEEL MILLS LIMITED SHAPING THE ECONOMY</p>	<h2>Maintenance Check List</h2>	<p>DOC.#ASML-ENGMECH-FORM-03</p> <p>Revision No. 00</p> <p>Effective Date: 01-Apr-2017</p>
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COMPACT COLD MILL				
HALF YEARLY CHECKLIST				
Year: _____		MONTHLY: _____		Date: _____
S.NO.	LOCATION	ACTIVITIES	STATUS	REMARKS
PREPARATION SECTION				
A	SNUBBER ROLL			
1	General	Fastening		
2	Couplings	Function		
3	Bearings	Assembly Function		
4	Toothings	Wear/Contact Pattern		
5	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
B	OUTBOARD BEARING SUPPORT			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
C	PIVOTING TELESCOPIC TABLE			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
D	PIVOTING TABLE WITH COIL PEELER			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
3	Guide Clearance	Tolerances (Readjust, replace)		
E	3-ROLL PINCH			
1	General	Fastening		
2	Bearings	Assembly Function		
3	Bearings	Wear/Sealing		
4	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
F	BASE FRAME			
1	General	Fastening		
G	STRIP CENTER DETECTION			
1	General	Fastening		
H	STRIP GUIDE UNIT			
1	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
TENSION REEL 1				
I	4-SEGMENT TENSION REEL			
1	General	Fastening		
2	General	Wear of Segments		
3	General	Wedge Surfaces of Mandrel for Wear		
4	Guide	Function		
5	Hollow Shaft's Bushes	Contaminations		
6	Hollow Shaft's Bushes	Wear of Bushes & Toothings		

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S.NO.	LOCATION	ACTIVITIES	STATUS	REMARKS
7	Couplings	Function		
8	Couplings	Lubrication (Top up/ Adjust/Adapt)		
9	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
10	Strip Gripper Segment	Wear of Bending Ledges		
J	DRIVEN SNUBBER ROLL			
1	General	Fastening		
2	Swivel Drive	Function		
3	Swivel Drive	Wear		
4	Bearing Assembly	Function		
5	Bearing Assembly	Wear		
6	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
K	STRIPPER PLATE			
1	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
2	General	Fastening		
ENTRY SECTION				
L	MANDREL SUPPORT			
1	General	Fastening		
2	Support	Centering Device		
3	Bearing Assembly	Function		
4	Bearing Assembly	Wear		
5	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
M	PIVOTING TELESCOPIC TABLE			
1	General	Fastening		
2	Bearing Assembly	Function		
3	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
N	BASE FRAME			
1	General	Fastening		
O	BENDING ROLLS			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
P	DIVIDING SHEAR			
1	Frame Guide	Clearance		
2	Sled Guide	Damage (Smooth Surface)		
3	Cylinder	Wear		
4	Connections for Hydraulics, pipelines, hoses, fittings, valves	Condition (Damage)		
Q	STRIP PRESS			
1	General	Fastening		
2	Wear Liners	Wear		
3	Synchronizing Equipment	Wear/Tooth break		

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S.NO.	LOCATION	ACTIVITIES	STATUS	REMARKS
4	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
MILL STAND 1				
R	DRY STRIP SYSTEM			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
S	BED PLATES			
1	General	Fastening		
2	General	Leak Tightness		
T	MILL HOUSING WITH ACCESSORIES			
1	General	Fastening		
2	Guide	Function		
3	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
U	HYDRAULIC ADJUSTMENTS (SONY TRANSDUCER)			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
V	CYLINDER/ BENDING BLOCKS			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
W	CVC SHIFTING			
1	General	Wear		
2	Retracting Rails/ Sliding Liners	Wear		
3	Interlocking Cylinders	Wear		
4	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
X	WEDGE ADJUSTMENT SYSTEM			
1	General	Fastening		
2	Guide	Function		
3	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
Y	SPINDLE HEAD SUPPORT			
1	General	Fastening		
Z	BUR CHANGING DEVICE			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
WORK ROLL CHANGING DEVICE				
AA	UNDER CARRIAGE			
1	Track Wheels Surface and Bearing Assembly	Fastening, Conditioning, Sealing,		
2	Track Wheels Surface and Bearing Assembly	Wear		
3	Gear Wheels	Wear		
4	Inching Drive	Fastening		
5	Inching Drive	Wear		

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S.NO.	LOCATION	ACTIVITIES	STATUS	REMARKS
6	Guides	Wear		
AB	SIDE SHIFTER DRIVE			
1	Universal Joint Shaft	Condition		
2	Universal Joint Shaft	Wear		
3	Bearing Assembly	Wear		
4	Travel Drive	Fastening		
5	Travel Drive	Wear		
6	Track Wheels Surface and Bearing Assembly	Fastening, Conditioning, Sealing,		
7	Track Wheels Surface and Bearing Assembly	Wear		
8	Guides	Wear		
9	Gear Rack	Wear		
AC	TONG CAR			
1	Travel Drive	Fastening		
2	Travel Drive	Wear		
3	Gear Wheels	Wear		
4	Inching Drive	Fastening		
5	Inching Drive	Wear		
6	Tong Head	Fastening		
7	Tong Head	Condition		
8	Tong Head	Wear		
INTERSTAND				
AD	STRIP DEFLECTOR			
1	Peeler Knife	Surface		
AE	HOLD DOWN ROLL			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AF	BASE FRAME			
1	General	Fastening		
AG	STRIP TENSIO METER			
1	General	Fastening		
2	Bearing Assembly	Function		
AH	PASSLINE ROLL			
1	General	Fastening		
2	Bearing Assembly	Function		
BUR CHANGE DEVICE				
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		

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S.NO.	LOCATION	ACTIVITIES	STATUS	REMARKS
MILL STAND 2				
AI	DRY STRIP SYSTEM			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AJ	BED PLATES			
1	General	Fastening		
2	General	Leak tightness		
AK	MILL HOUSING WITH ACCESSORIES			
1	General	Fastening		
2	Guide	Function		
3	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AL	HYDRAULIC ADJUSTMENTS (SONY TRANSDUCER)			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AM	CYLINDER/ BENDING BLOCKS			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AN	CVC SHIFTING			
1	General	Wear		
2	Retracting Rails/ Sliding Liners	Wear		
3	Interlocking Cylinders	Wear		
4	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AO	WEDGE ADJUSTMENT SYSTEM			
1	General	Fastening		
2	Guide	Function		
3	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AP	SPINDLE HEAD SUPPORT			
1	General	Fastening		
AQ	BUR CHANGING DEVICE			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
EXIT SECTION				
AR	DRY STRIP SYSTEM			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AS	MANDREL SUPPORT			
1	General	Fastening		
2	Support	Centering Device		
3	Bearing Assembly	Function		
4	Bearing Assembly	Wear		

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S.NO.	LOCATION	ACTIVITIES	STATUS	REMARKS
5	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AT	PIVOTING TELESCOPIC TABLE			
1	General	Fastening		
2	Bearing Assembly	Function		
3	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AU	BASE FRAME			
1	General	Fastening		
AV	BENDING ROLLS			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AW	DIVIDING SHEAR			
1	Frame Guide	Clearance		
2	Sled Guide	Damage (Smooth Surface)		
3	Cylinder	Wear		
4	Connections for Hydraulics, pipelines, hoses, fittings, valves	Condition (Damage)		
AX	STRIP PRESS			
1	General	Fastening		
2	Wear Liners	Wear		
3	Synchronizing Equipment	Wear/Tooth Break		
4	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
TENSION REEL 2				
AY	STRIP PRESS			
1	General	Fastening		
2	Roller Bearing Assembly	Function		
3	Roller Bearing Assembly	Wear		
4	Swivel Drive	Function		
5	Swivel Drive	Wear		
6	Pivoting Arm, Bearing Assembly	Function		
7	Pivoting Arm, Bearing Assembly	Wear		
8	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
AZ	4-SEGMENT TENSION REEL			
1	General	Fastening		
2	General	Wear of segments		
3	General	Check wedge surfaces of mandrel for wear		
4	Guide	Function		
5	Hollow Shaft's Bushes	Contaminations		
6	Hollow Shaft's Bushes	Wear of bushes		
7	Hollow Shaft's Bushes	Wear of Toothing		

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8	Couplings	Function		
9	Couplings	Lubrication (Top up/ Adjust/Adapt)		
10	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
11	Strip Gripper Segment	Wear of Bending Ledges		
AAA	STRIPPER PLATE			
1	General	Fastening		
2	Cylinder	Bearing Assembly (Fasten/Replace/Repair)		
DRIVE TRAIN				
AAB	DRIVE COUPLING			
1	Mill Stand M1	Inspection		
2	Mill Stand M2	Inspection		
AAB	DRIVE SPINDLE			
1	Mill Stand M1	Inspection		
2	Mill Stand M2	Inspection		
AAC	DRIVE GEAR UNIT			
1	Drive Gear Unit M1	Inspection		
2	Drive Gear Unit M2	Inspection		
COIL HANDLING				
AAD	COIL CAR 1 - POR			
1	General	Fastening		
2	Travel Gear	Track wheels (Movement/Condition/Wear)		
3	Travel Gear	Rubber Buffer		
4	Travel Gear	Warehouse		
5	Travel Gear	Gear Unit		
6	Travel Gear	Coupling Lining		
7	Track Rails	Condition/ Wear		
8	Power Track	Condition/Wear		
AAE	COIL CAR 2 - RR1			
1	General	Fastening		
2	Travel Gear	Track wheels (Movement/Condition/Wear)		
3	Travel Gear	Rubber Buffer		
4	Travel Gear	Warehouse		
5	Travel Gear	Gear Unit		
6	Travel Gear	Coupling Lining		
7	Track Rails	Condition/ Wear		
8	Power Track	Condition/Wear		
AAF	COIL CAR 3 - RR2			
1	General	Fastening		
2	Travel Gear	Track wheels (Movement/Condition/Wear)		
3	Travel Gear	Rubber Buffer		

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S.NO.	LOCATION	ACTIVITIES	STATUS	REMARKS
4	Travel Gear	Warehouse		
5	Travel Gear	Gear Unit		
6	Travel Gear	Coupling Lining		
7	Track Rails	Condition/ Wear		
8	Power Track	Condition/Wear		
AAG	TRANSFER CAR 1 -RR1			
1	General	Fastening		
2	Travel Gear	Track wheels (Movement/Condition/Wear)		
3	Travel Gear	Rubber Buffer		
4	Travel Gear	Warehouse		
5	Travel Gear	Gear Unit		
6	Travel Gear	Coupling Lining		
7	Track Rails	Condition/ Wear		
8	Power Track	Condition/Wear		
AAH	TRANSFER CAR 1 –RR2			
1	General	Fastening		
2	Travel Gear	Track wheels (Movement/Condition/Wear)		
3	Travel Gear	Rubber Buffer		
4	Travel Gear	Warehouse		
5	Travel Gear	Gear Unit		
6	Travel Gear	Coupling Lining		
7	Track Rails	Condition/ Wear		
8	Power Track	Condition/Wear		
MEDIA SYSTEMS				
AAI	HP - HYDRAULIC SYSTEMS			
1	Cooling Systems (Heat exchangers/ valves/ filtros)	Contamination in Heat Exchangers		
AAJ	HP - HYDRAULIC SYSTEMS			
1	Cooling Systems (Heat exchangers/ valves/ filtros)	Contamination in Heat Exchangers		
AAK	LUBRICATION SYSTEM			
1	Cooling Systems (Heat exchangers/ valves/ filtros)	Contamination in Heat Exchangers		
AAL	EMULSION SYSTEM			
1	Cooling Systems (Heat exchangers/ valves/ filtros)	Contamination in Heat Exchangers		

Supervisor

Sr. Assistant Manager/
Engineer

Manager

Note: C: Checked, D: Checked & Repair, R: Checked & Replaced, X: Not Checked