



STEEL				
Sr	Components	Base Metal	Wear Factor	Recommendations
I. Sintering Plant				
1	Gear	Cast Steel	Abrasion / Friction	GEMET 301
2	Pinion of sinter M/c.	Forged Steel	Abrasion / Friction	GEMET 103 / 301
3	Hammer Mill Rotor	Forged Steel	Abrasion	GEMET 103 / 301
4	Cooler Fan Blade	Cast Steel	Abrasion / Friction	GEMET 103 / 301
5	Blower Fan Blade & Special Alloy Hub (Impeller)		Abrasion / Friction	GEMET 103 / 301
6	Rail	Mn. Steel	Abrasion / Impact	GEMET 208
7	Pallet	Cast Iron	Abrasion	GEMET 503
8	Support Rolls	Cast Steel	Friction	GEMET 103
9	Friction Wheel	Forged Steel	Abrasion / Friction	GEMET 103

1	Air Compressor Body	Cast Iron	Accident	GEMET 501 / 503 / 503B
2	Motor Base Plate	Cast Iron	Accident	GEMET 501 / 503 / 503B
3	Pump Body	Cast Iron	Accident	GEMET 501 / 503 / 503B
4	Chute	Stainless Steel	Abrasion	GEMET 209 / 207
5	Flange	Stainless Steel	Abrasion	GEMET 209 / 207
6	Shaft	Stainless Steel	Friction	GEMET 209 / 207
7	Gears	Cast Steel	Friction	GEMET 103 / 301
8	Dog Clutch	Cast Steel	Friction	GEMET 301
9	Gear Box	Cast Iron	Accident	GEMET 503 / 503B
10	Conveyor Drums	Cast Steel	Friction	GEMET 301
11	Floates	Aluminium	Accident	
12	Crusher Jaws	Mn. Steel	Impact / Abrasion	GEMET 314
13	Hammer Pulleys	Cast Iron	Friction	GEMET 501 / 504
14	Buckets	Mn. Steel	Impact / Abrasion	GEMET 314
15	Gear Wheel	Cast Steel	Friction	GEMET 103 / 209 / 209FGS
16	Motor Casings	Cast Iron	Accident	GEMET 501 / 504
17	Transmission Gear	Cast Steel	Friction	GEMET 207
18	Bush Bars	Copper / Aluminium / Brass / Bronze	Friction	
19	Lifting Blocks	Cast Iron	Accident	GEMET 501 / 504
20	Chains	Cast Steel	Friction	GEMET 209 / 207
21	Leader tips	Alloy Steel	Friction	GEMET 301
22	Chains	Cast Steel	Cracks	GEMET 209 / 209FGS
23	Hydrake Units	Brass/Bronze	Friction	
24	Washery Main Pump	Cast Iron	Accident	GEMET 501 / 503 / 503B
25	Coke Crushing hammers	Cast Steel	Impact	GEMET 314 / 320
26	Pinion For Pusher Rack	Mn. Steel	Abrasion/Impact	GEMET 208
27	Coupling Fleniable	Cast Steel	Friction	GEMET 103 / 104
28	Rambeans of support Rolls	Cast Steel	Vibration	GEMET 104



III. Blast Furnace				
1	Cooling members	Copper	Joining	GEMET 701 AC/ 701 DC
2	Sinter Braker	Cast Steel	Abrasion/Impact	GEMET 314 / 320
3	Hammers	Cast Steel	Abrasion/Impact	GEMET 314 / 320
4	Pallots	Cast Steel	Abrasion	GEMET 103 / 209
5	Pallots	Cast Iron	Abrasion	GEMET 504 / 503
6	Shafts	Stainless Steel	Joining/Surfacing	GEMET 209 / 209FGS
7	Crusher Jaws	Mn. Steel	Abrasion/Impact	GEMET 314 / 320
8	Valves	Cast Iron	Joining/Surfacing	GEMET 501 / 503
9	Throat armour Plates	Cast Steel	Abrasion/Erosion	
10	Small Bell	Cast Steel	Erosion	GEMET 103

IV. Steel Melting Shop				
1	Furnace Doors	Cast Steel	Joining	
2	Pump Shafts	EN Steel	Joining/Surfacing	GEMET 209 / 209FGS
3	Pulley	Cast Iron	Broken/Build up	GEMT 504 /503 / 503B
4	Kiln Shell	Cast Steel	Joining	GEMET 103
5	Landle Trunion	Cast Steel	Abrasion	GEMET 103 / 301
6	Crane Rails	Cast Steel	Abrasion	GEMT 103
7	Rollers	Cast Iron	Broken/Joining	GEMET 501 / 504
8	Valves	Stainless Steel	Erosion	GEMET 209 / 207
9	Oxygen Lancer	Copper	Erosion	GEMET 701 DC

V. Foundry Shop				
1	Crane Bearing-Pedestal	Cast Steel	Friction	GEMET 209 / 209FGS
2	Sand Pump	Cast Iron	Abrasion	GEMET 501/ 504
3	Impeller Casing	Cast Iron	Abrasion	GEMET 503
4	Mix Muller Plough	Mn. Steel	Abrasion	GEMET 314 / 320
5	Impeller Back-Plate	Cast Iron	Friction	
6	Valve Spindle of-Brass Max Muller	Brass	Friction	GEMET 701 AC/ 701 DC
7	Elevator Shaft	Steel	Friction	GEMET 209 / 209FGS
8	Feed Screw	Cast Steel	Abrasion	
9	Vibrator Table	Cast Iron	Cracks	GEMET 501 / 503 / 503B
10	Moulding Box	Cast Iron	Cavitation	GEMET 602 / 501
11	Feeder Head	Steel	Abrasion	GEMET 302B
12	Rollers	Steel	Friction	GEMET 209 / 209FGS
13	Mould Drill	H.S.S.	Friction	
14	Mould Knife	H.S.S.	Friction	
15	Fan Blade	Steel	Abrasion	
16	Heat Treatment-Grill	Stainless Steel	Heat	GEMET 821N
17	Heating Elements	Nichrome	Heat	GEMET 207 / 206
18	Machine Bases	Cast Iron	Crack/Accident	GEMET 501 / 503B



19	Machine Housing	Cast Iron	Crack/Accident	GEMET 501 / 504
20	Engine Blocks	Cast Iron	Crack/Accident	GEMET 501 / 504
21	Sand Discharge-Chute	Mild Steel	Abrasion	
22	Pump Shafts	Steel	Friction	GEMET 209 / 209FGS
23	Mns. Liners Mould	Mn. Steel	Impact/Abrasion	GEMET 314
24	Scrap Blades	Mn. Steel	Abrasion	GEMET 302B
25	Mixer Paddles	Mn. Steel	Abrasion	
26	Tackle Ingot-Mould	Cast Iron	Cavitation/Heat	GEMET 501

GEMET 501				
1	Idlers	Cast Iron	Abrasion	GEMET 504
2	Idlers	Steel	Abrasion	GEMET 209 / 209FGS
3	Rollers	Cast Iron	Abrasion	GEMET 501 /504
4	Rollers	Steel	Abrasion	GEMET 209 / 209FGS
5	Housings	Cast Steel	Crack/Joining	GEMET 103 / 209
6	Housings	Cast Iron	Crack/Joining	GEMET 503 / 503B
7	Crane Rails	Mn. Steel	Friction/Abrasion	GEMET 314
8	Crane Wheels	Forged Steel	Friction/Abrasion	GEMET 301
9	Impellers	Bronze	Abrasion	GEMET 701 AC/ 701 DC
		Cast Iron	Abrasion	GEMET 501
10	Main Stand Bores	Cast Steel	Friction	GEMET 103 /104
11	Flying Shear Housing	Cast Steel	Friction	GEMET 209 /209FGS
12	Hot Shear Blade	HCHC	Impact/Friction	GEMET 206 / 317
13	Hot Working	HCHC	Friction	
14	Inculatory Saw			
15	Wire Drawing	HCHC	Friction	GEMET 317
16	Guides			
17	Wire Cutters	HSS	Friction	

VII.Refractories				
1	Supporting Rolls-of Rotary Kiln	Low Alloy Steel	Abrasion/Friction	GEMET 103 /301
2	Impact Crusher	Low Alloy Steel	Friction/Abrasion	
3	Rotters	Mn. Steel	Abrasion	
4	Crown Gears	Cast Steel	Abrasion	GEMET 209



VIII. Electrical Repair Shop				
1	Fan cover of Motors	Cast Iron	Friction/Abrasion	GEMET 501/ 503 / 503B
2	Motor Foundation	Cast Iron	Accident	GEMET 503 /503B
3	Rotar Bars	Copper	Accident	
4	Circuit Breaker-Contact	Ag. Tipping	Fretting	
5	Armature Shafts	Steel	Friction	GEMET 209 / 209FGS
6	Bearing Seating	Cast Steel	Friction	GEMET 209 / 209FGS
7	Housings	Cast Iron	Friction	GEMET 503 / 503B
8	Copper Bushes	Copper	Friction	GEMET 821N

IX. Central Repair Shop/CEM				
1	Machine Beds-Housing	Cast Iron	Joining	GEMET 501 / 503
2	Crane Wheels-Housing	Cast Steel	Abrasion	GEMET 103 /301
3	Housings	Cast Steel	Abrasion	GEMET 103
4	Wheel Punch	Cast Steel	Abrasion	GEMET 320
5	Shear Blades	Alloy Steel	Impact/Heat	GEMET 206
6	Punch & Die for Sleeper Palnt	Alloy Steel	Impact/Heat	GEMET 206
7	Hammer Pallets	Mn. Steel	Impact	GEMET 314
8	Weaving Plates	Carbon Steel	Abrasion	GEMET 209 / 209FGS
9	Spindle	Carbon Steel	Friction	GEMET 209FGS

X. Power Engg.				
1	Jyoti Pump Casing	Cast Iron	Corrosion	GEMET 501 / 503 / 503B
2	Brassant Stainer	Cast Iron	Friction/Abrasion	GEMET 503 / 503B
3	Rotating Element Turbine Blade	Alloy Steel	Abrasion/Joining	
4	Shortout Band Impeller	Bronze	Friction/Abrasion	GEMET 701 AC/ 701 DC
5	Impeller Scale Pit Pump	Stainless Steel	Corrosion	GEMET 206

XI. Vital Components for Powder Application				
1	Wire drawing-Guide	Cast Steel	Friction	
2	Fan cover Bearing-Seating	Cast Iron	Fretting	
3	Armature Shaft	Steel	Friction	
4	Motor/Pump Cover Bearing Seating	Cast Iron	Fretting	
5	Pump Shaft	Steel	Fretting	
6	Bearing Seating Pump Sleeves	Steel	Friction	
7	Housing cover-Bearing Seating	Cast Iron	Fretting	
8	Valve Seat-Fitting	Stainless Steel	Erosion	
9	Entry Guide	Cast Steel	Abrasion	
10	Guide Rolls	Cast Steel	Friction	
11	Bearing area	Cast Steel	Fretting	



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