



GEE Limited

POWER				
Sr	Components	Base Metal	Wear Factor	Recommendations
I. COAL HANDLING				
1	Wagon Tippler Gear	Cast Iron	Friction/Impact	GEMET 602/501/503/503B
2	Tippler Motor Housing	Aluminium	Vibration/Impact	
3	Loco Leaf Springs	Spring Steel	Vibration/Impact	GEMET 209 / 209FGS
4	Bucket Lips	Steel	Abrasion	GEMET 306
5	Conveyor Screw Flights	Cast Steel	Abrasion	
6	Conveyor Sprockets	Steel	Impact	GEMET 103 / 301
7	Conveyor Idlers	Cast Iron	Abrasion	GEMET 501 / 503
8	Rollers Journal Shaft	Cast Steel	Friction	GEMET 209 / 209FGS
9	Crusher Hammers	Mn-Steel	Impact/Abrasion	GEMET 306/314/320
10	Coal Mill Sealing Cover	Cast Steel/C.I.	Vibration/Crack	GEMET 202/503
11	Bunker Funnel	Cast Steel	Abrasion	
12	Coal Mill Exhauster Fan Blades	Steel	Abrasion	GEMET 320

II. BOILER MAINTENANCE				
1	Bowl Mill Girth Gear	Cast Steel	Friction/Impact	GEMET 103 / 301
2	Coal Pulveriser Pinions	Alloy Steel	Friction/Impact	GEMET 209 / 209FGS
3	Coal Pipe Bends	Cast Iron	Abrasion	GEMET 501
4	Coal Burner Nozzles	Stainless Steel	Erosion/Heat	GEMET 202
5	Stocker Drive Shaft	Steel	Friction	GEMET 209 / 209FGS
6	Ash Extractor Pan	Cast Iron	Abrasion	GEMET 503 / 503B
7	Ash Pumps Rotors	Stainless Steel	Erosion	GEMET 202
8	Ash Pumps Housings	Cast Iron	Vibration/Impact	GEMET 602/501/503/503B
9	Bell housing	Cast Iron	Vibration/Impact	GEMET 602/501/503/503B
10	Steam Valve Flange	Stainless Steel	Heat	GEMET 202
11	Steam Valve Seat	Stainless Steel	Heat/Impact	
12	Water Pump Impellers	Bronze	Pitting/Erosion	GEMET 701 AC/701 DC
13	Water Pump Impellers	Stainless Steel	Pitting/Erosion	GEMET 207
14	Pump Impeller Collar	Bronze	Abrasion	
15	Pump Housing	Cast Iron	Vibration/Crack	GEMET 602/501/503/503B
16	Balancing Disc	13% Chrome Steel	Friction/Abrasion	
17	I.D.Fan Blades	Steel	Abrasion	
18	Scott Blower Bush	Bronze	Friction	GEMET 701 AC/701 DC
19	Butterfly Value	Cast Iron	Erosion	GEMET 501 / 503
20	Butterfly Value	Bronze	Erosion	GEMET 701 AC/701 DC



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III. TURBINE MAINTENANCE

1	Turbine Rotor Shaft	Steel	Friction/Vibration	GEMET 209 / 209FGS
2	Turbine Housing	Cast Steel	Friction	GEMET 209 / 209FGS
3	Turbine Blades	13% Chrome Steel	Erosion	GEMET 204
4	Turbine Rivet Head	13% Chrome Steel	Erosion	GEMET 204

IV. INSTRUMENTATION/ELECTRICAL MAINTENANCE

1	Brazing-Copper Contacts	Copper	Impact/Pitting	
2	Brazing Silver Contacts	Copper	Pitting	
3	Engine Housing (joining application)	Cast Iron	Impact/Vibrasion	GEMET 602/501/503/503B

V. GENERAL WORKSHOP

1	Building Gear/Pinions	Cast Steel	Impact/Friction	GEMET 103 / 209
2	Tinning of bearing (before white metlling)	Steel/Cast/Iron Bronze	Friction	
3	Chamferring & Gouging(of all metals)			GEMET 602
4	Cutting & Piercing (of all metals)			GEMET 601
5	Soldering-Cast Iron	Cast Iron	Friction	
6	Soldering-Stainless Steels	Stainless Steel	Impact / Chipped off	

VI. VITAL COMPONENT FOR POWDER APPLICATIONS

1	Water Pump Shafts	Steel	Friction	
2	Pump Impeller Collar	Bronze	Abrasion/Friction	
3	Pump Sleeves	Stainless Steel	Friction	
4	I.D.Fan Casing (bore)	Cast Iron	Friction	
5	FD Fan Bearing Housing	Alloy Steel	Friction	
6	Multi-Stage Cyclone Blades	Steel	Abrasion/Erosion	
7	Turbine Housing	Cast Steel	Friction	
8	Turbine Blades	13% Chrome Steel	Erosion	



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Contact Us :

Regd. Head Office

Plot No. E-1, Road No. 7,
Wagle Industrial Estate.
Thane - 400 604
Tel. : (022) 2582
1277/0619/2620/8023
Fax : (022) 2582 8938
Email : geeho@geelimited.com

Kalyan Plant

Plot No. 12/B, Saravali MIDC,
Kalyan-Bhiwandi Road,
Kalyan (W) - 421311
Tel. : (02522) 281176 / 80 / 88
Fax : (02522) 281199
Email : geeho@geelimited.com

Kolkata Plant

Jalan Industrial Park,
NH-6, Dhulagori,
P. O. - Kanduah,
Hawrah - 711 302 (W. Bengal)
Tel. : (033) 3250 1526
Fax : (0091-33) 248 2855
Email : kolkata@geelimited.com

Sales Engineers

Location	E-mail Id
Kolhapur	kolhapur@geelimited.com
Nagpur	nagpur2@geelimited.com
Karnataka	bangalore@geelimited.com
Tamilnadu	chennai@geelimited.com
Kerala	kochi@geelimited.com
Maharashtra & Goa	vpmktg@geelimited.com
Aurangabad	aurangabad@geelimited.com
New Delhi	delhi@geelimited.com
Bhillai	bhillai@geelimited.com
Bhopal	bhopal@geelimited.com
Tamilnadu	chennai1@geelimited.com
Orissa	bhubaneshwar@geelimited.com
Entire Eastern Region	jamshedpur@geelimited.com
Pune	pune@geelimited.com
Jabalpur	jabalpur@geelimited.com
Ranchi	ranchi@geelimited.com
Ahmedabad	baroda@geelimited.com
Hyderabad	hyderabad@geelimited.com
Kolkata	kolkata@geelimited.com
Baroda	baroda@geelimited.com
Rajkot	rajkot@geelimited.com
Mumbai	sales@geelimited.com