



GEN MOT COILS

COILS FOR AC AND DC TRACTION
ALTERNATORS AND MOTORS...



AN ISO 9001 : 2008 COMPANY

Quality Control →

GMC Manufactures coils and winding kits for rotating electrical machines is committed to enhance customer satisfaction by supplying high quality coils and winding kits on time through the involvement of all the employees and continual improvement of processes in the organization.

Coils Testing Facility

- HV Test AC Upto 100KV
- HV Test DC 80KV
- Tan delta upto 18KV
- Inter turn Testing upto 30KV
- Partial discharge Test
- Impulse Testing

We test all our coils for any standard specified by customer, eg. ESI 44/5, ESI 44/7 Etc..



Coils Testing Lab - I

Our Manufacturing Capabilities →

- AC TRACTION STATOR COILS
- AC TRACTION STATOR COILS FOR LINEAR MOTOR
- DC TRACTION ARMATURE COILS - LAP WINDING
- DC TRACTION ARMATURE COILS - WAVE WINDING
- DC TRACTION TRANSPOSED ARMATURE COILS
- DC TRACTION MAIN POLE COILS – STRIP COPPER WOUND
- DC TRACTION MAIN POLE COILS – BARE FLAT COPPER WOUND
- DC TRACTION MAIN POLE COILS – BARE FLAT COPPER EDGE WOUND
- DC TRACTION INTER POLE OR COMMUTATING POLE COILS – STRIP COPPER WOUND
- DC TRACTION INTER POLE OR COMMUTATING POLE COILS – BARE FLAT COPPER WOUND
- DC TRACTION INTER POLE OR COMMUTATING POLE COILS – BARE FLAT COPPER EDGE WOUND
- DC TRACTION MAIN POLE COILS WITH ROUND COPPER AND STRIP COPPER

We Export to

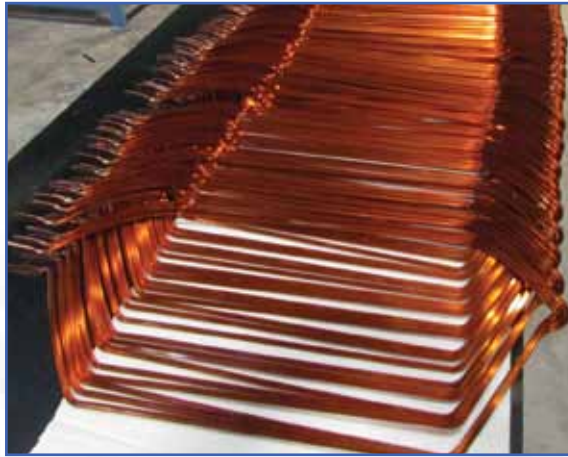
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				<ul style="list-style-type: none"> • Italy • Norway • Portugal



Product Range



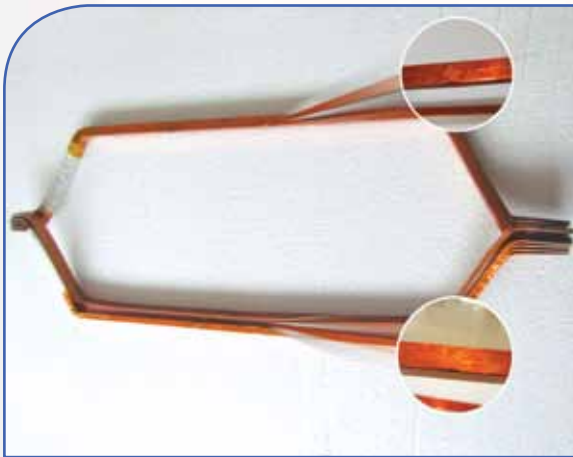
AC TRACTION STATOR COILS



DC TRACTION ARMATURE COILS - LAP WINDING



DC TRACTION ARMATURE COILS - WAVE WINDING



DC TRACTION TRANSPOSED ARMATURE COILS



AC TRACTION STATOR COILS FOR LINEAR MOTOR



DC TRACTION MAIN POLE COILS - STRIP COPPER WOUND

Product Range



DC TRACTION MAIN POLE COILS – BARE FLAT COPPER WOUND



DC TRACTION INTER POLE OR COMMUTATING POLE COILS – STRIP COPPER WOUND



DC TRACTION INTER POLE OR COMMUTATING POLE COILS – REINSULATION



DC TRACTION INTER POLE OR COMMUTATING POLE COILS – BARE FLAT COPPER EDGE WOUND



DC TRACTION MAIN POLE COILS WITH ROUND COPPER AND STRIP COPPER

Coil Manufacturing Equipment

DC Traction Coils - VPI



U BENDING MACHINE



V BENDING MACHINE



COILS FORMER



LEADS SWEDGING MACHINE



LEADS RADIUS CUTTING MACHINE



HYDRAULIC COIL MOULDING MACHINE

Coil Manufacturing Equipment

AC Traction Stator Coils - VPI



LOOPING MACHINE UP TO 1.5
MTRS LOOP LENGTH



STREACHING MACHINE



HYDRAULIC COIL MOULDING
MACHINE



TAPING MACHINE

Other Equipments



HEAVY DUTY LOOPING MACHINE



AUTOMATIC EDGE WINDING
MACHINE OF LENGTH 1MTRS



VACUUM ANNEALING FURNACE



VPI PLANT - 1.5MTRS DIA X 3MTRS
DEPTH



VPI PLANT - 800mm Dia x 800mm DEPTH



BAKING OVEN - 600° C



DUST PROOF INSULATION TAPING ROOM



WINDING OF 3PHASE AC TRACTION STATORS



TIG WELDING MACHINE

Products Under Development for Indian Railways →

- Complete Armature for 752 / 4907
- Complete Stator for Traction Alternator - 101/83AZ
- Potted Main Pole and Inter Pole Coils for 752/4907
- HTM MP and CP Coils
- Armature Assembly for HTM
- 3Phase AC Traction Motor Complete

Expected Orders from Indian Railways →

- Commutating pole coils for HTM - 189 SETS X 6 COILS PER SET
- Armature Assly of HTM - 25Nos Armature Assembly Complete
- Field Coils Asm Open and Cross for Traction Alternator Rotor - 17SET of Rotor Field Coils
- Filed Coils Asm Open and Cross for Traction Alternator Rotor - 12SET of Rotor Field Coils
- Main Field Coils Open and Cross 4907 - 24SETS of Main Field Coils Open and Cross
- Complete stator Assly for 3Phase AC Traction Motor - 45Nos Traction Motor Stators
- Main Pole coils for HTM - 58SETS X 6COILS PER SET

LIST OF TRACTION ARMATURE AND STATOR COILS SUPPLIED

SL. NO.	COUNTRY	DESCRIPTION	YEAR
1	INDONESIA	AC TRACTION WHEEL MOTOR STATOR COILS FOR 1.5 MW, 1.7KV, 1480RPM	2012 - 13
2	INDIA	TRACTION ARMATURE COILS FOR GE 752 ARMATURE - 19 SETS	2011 - 12
3	INDIA	TRACTION ARMATURE COILS FOR GE 761 ARMATURE - 2 SETS	2011 - 12
4	U.S.A	ARMATURE COILS 1460L - 20SETS	2008 - 09
5	U.S.A	ARMATURE COILS GE 1255 - 20SETS	2008 - 09
6	U.S.A	ARMATURE COILS GE 763 - 20SETS	2008 - 09
7	U.S.A	ARMATURE GE 1264 - 20SETS	2007 - 08
8	U.S.A	ARMATURE COILS GE 763 - 20SETS	2007 - 08
9	MEXICO	GE 752 - 1 SET	2007 - 08
10	U.S.A	GE 1252 - 10SETS	2007 - 08
11	U.S.A	GE 1252 - 10SETS	2007 - 08
12	U.S.A	GE 1252 - 10SETS	2007 - 08
13	U.S.A	GE 1255 - 10SETS	2007 - 08
14	U.S.A	GE 763 - 20SETS	2007 - 08
15	ITALY	T165 - DC TRACTION ARMATURE COILS (20 SETS-980NOS)	2006 - 07
16	AUSTRALIA	GE 17AZ TM (76/04666)- ARMATURE COILS - 20SETS	2006 - 07
17	ITALY	T165 - DC TRACTION ARMATURE COILS (16 SETS-784NOS)	2006 - 07
18	ITALY	T165 - DC TRACTION ARMATURE COILS (20 SETS-980NOS)	2006 - 07
19	U.S.A	GE 1259 - 1SET	2006 - 07
20	U.S.A	GE 763 - 1SET	2006 - 07
21	ITALY	T165 - DC TRACTION ARMATURE COILS (20 SETS- 1000NOS)	2006 - 07
22	TURKEY	1045HP, WESTING HOUSE MAKE	2006 - 07
23	ITALY	T165 - DC TRACTION ARMATURE COILS (45 SETS- 2250NOS)	2006 - 07
24	ITALY	DC TRACTION ARMATURE COILS TYPE T 165 (7 SETS) 350 NOS	2005 - 06
25	ITALY	DC TRACTION ARMATURE COILS TYPE T 165 (15 SETS) 750 NOS	2005 - 06
26	ENGLAND	ARMATURE COILS - AC TRACTION COILS	2005 - 06
27	FRANCE	DC ARMATURE COILS 500V ALSTOM MAKE	2004 - 05
28	THAILAND	ARMATURE COILS FOR GE 761 - 20SETS	2006 - 07
29	ITALY	DC TRACTION ARMATURE COILS TYPE T 165 (15 SETS) 750NOS	2005 - 06

LIST OF TRACTION MAIN FIELD POLE COILS AND INTER POLE COILS SUPPLIED

SL. NO.	COUNTRY	DESCRIPTION	YEAR
1	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD NOTRTH	2007 - 2008
2	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD SOUTH	2007 - 2008
3	AUSTRALIA	COIL ASSEMBLY ELECTRICAL COMPENSETING	2007 - 2008
4	AUSTRALIA	G317AZ T/M FIELD COILS OPEN NORTH	2007 - 2008
5	AUSTRALIA	G317AZ T/M FIELD COIL CROSSED SOUTH	2007 - 2008
6	AUSTRALIA	INTERPOLE COIL ASSEMBLY G317AZ	2007 - 2008
7	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD NORTH	2007 - 2008
8	AUSTRALIA	COIL ASSEMBLY ELCTRICAL MAIN FIELD SOUTH	2007 - 2008
9	AUSTRALIA	COIL ASSEMBLY ELECTRICAL COMPENSETING	2007 - 2008
10	AUSTRALIA	INTER POLE COIL ASSEMBLY G317AZ	2007 - 2008
11	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD NORTH	2007 - 2008
12	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD SOUTH	2007 - 2008
13	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD NORTH	2007 - 2008
14	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD SOUTH	2007 - 2008
15	AUSTRALIA	COIL ASSEMBLTY ELECTRICAL FIELD SOUTH	2007 - 2008
16	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD NORTH	2007 - 2008
17	AUSTRALIA	COIL ASSEMBLY ELECTRICAL COMPENSETING	2007 - 2008
18	AUSTRALIA	NORTH POLE	2007 - 2008
19	AUSTRALIA	SOUTH POLE	2007 - 2008
20	AUSTRALIA	COMPENSATING POLE	2007 - 2008

21	AUSTRALIA	NORTH POLE	2007 - 2008
22	AUSTRALIA	SOUTH POLE	2007 - 2008
23	AUSTRALIA	COMPENSATING POLE	2007 - 2008
24	AUSTRALIA	NORTH POLE	2007 - 2008
25	AUSTRALIA	SOUTH POLE	2007 - 2008
26	AUSTRALIA	INTER POLE GE317AZ	2007 - 2008
27	AUSTRALIA	GEC 785 COMPOUND POLE	2007 - 2008
28	AUSTRALIA	GEC 785 CONTROL POLE	2007 - 2008
29	AUSTRALIA	G317AZ TM FIELD COIL OPEN NORTH	2007 - 2008
30	AUSTRALIA	G317AZ TM FIELD COIL CROSSED SOUTH	2007 - 2008
31	AUSTRALIA	INTER POLE GE317AZ	2007 - 2008
32	AUSTRALIA	COMPOLE COIL GEC MA	2006 - 2007
33	AUSTRALIA	COIL ASSEMBLY ELECTRICAL COMPENSATING	2006 - 2007
34	AUSTRALIA	GEC 785 FIELD COILS CONTROL	2006 - 2007
35	AUSTRALIA	COIL ASSEMBLY ELECTRICAL MAIN FIELD SOUTH	2006 - 2007
36	AUSTRALIA	GEC 785 FIELD COILS COMPOUND	2006 - 2007
37	AUSTRALIA	G317AZ TM FIELD COIL CROSSED SOUTH	2006 - 2007
38	AUSTRALIA	INTER POLE GE317AZ	2006 - 2007
39	U.A.E	ROTOR POLE - 102005 KVA, 11KV, 429 RPM	2006 - 2007
40	U.A.E	ROTOR POLES	2005 - 2006
41	ITALY	MAIN POLES	2005 - 2006
42	ITALY	AUX POLES	2005 - 2006
43	ITALY	COMPENSATION POLES	2005 - 2006



UNIT - I : 35,000 Sq Ft (3,500 Sq Mtrs)



UNIT - II : 20,000 Sq Ft (2,000 Sq Mtrs)



GEN MOT COILS

Unit - I : No. 29/B, Bidadi Industrial Area, Bidadi, Ramanagaram Taluk/Dist, Karnataka, India - 562 109

Unit - II : No. 102, 4th Phase, Jigani Link Road, Bommasandra Industrial Area, Bommasandra, Bangalore - 560 099, INDIA

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