

Government of India
Ministry of Railways
Research Designs & Standards Organisation
Manak Nagar , Lucknow - 226011

No. EL/3.2.92/3

15th October, 1993

MODIFICATION SHEET NO. RDSO/WAM4/177

1.0 Title of the modification

Rewinding of MCP "Siemens Make" of 10.5 KW/14 HP, TEFC with dual coat wire or double glass covered copper enamelled conductor type ILA6 188-6YA90-Z.

2.0 Application to class of electric locomotives :

All electric locos which are fitted with Elgi compressor TRC 1000 M and driven by Siemens make of motor 10.5 KW/14 HP as indicated in para 1

3.0 Object of modification :

3.1 Siemens has supplied MCPs of following designs :

- i) ILA6 186-6-9.4KW, TEFC, 320-500V, DGCC, Machine Sl. No. less than 170637.
- ii) 1LA6 186-6-9.4kw, TEFC, 290-500V, DGCC, Machine Sl. No.170637 onwards.
- iii) 1LA6 188-6, 10.5kw, TEFC, 290-500V, dual coat machine sl. No.185640 to 185739 and 185273 to 185322 and all TEFC MCPs supplied subsequently.
- iv) 1LA6-188-6, 10.5 kw TEFC, 290-500V, DGCC, Machine Sl. No.182380 to 182394
- v) 1RAD 187-6, 10.5kw, SPDP, 290-500V, dual coat.

3.2 For the rewinding of the 9.4 kw, TEFC, MCPs of design i) and ii) mentioned in para 3.1 above, in case of failure RDSO has already circulated the rewinding scheme with dual coat wire vide SMI 171 of Nov.'1992.

It is expected that railways would have adopted the same by now.

3.3 Further for rewinding of the 10.5 kw, TEFC, MCPs supplied by Siemens (Dual coat or DGCC), the rewinding scheme is enclosed for adoption. This should be incorporated on all 10.5 kw TEFC MCPs of designs (iii) and (iv) in para 3.1 above.

3.4 Modified stator winding will be suitable from 290V-500V to take care of problem of low voltage reported by Railways.

4.0 Material Required :

for 3 phase

6. **Modification Drawing No. :** For all types of motor No.

1) Drawing No. SK. EL. - 4262 indicating developed winding diagram.

2) 4H-2618-7114-0224937 indicating coil dimensions.

7. **Agency for implementation :**

All electric loco shades & shops and other rewinding agencies of Indian railways

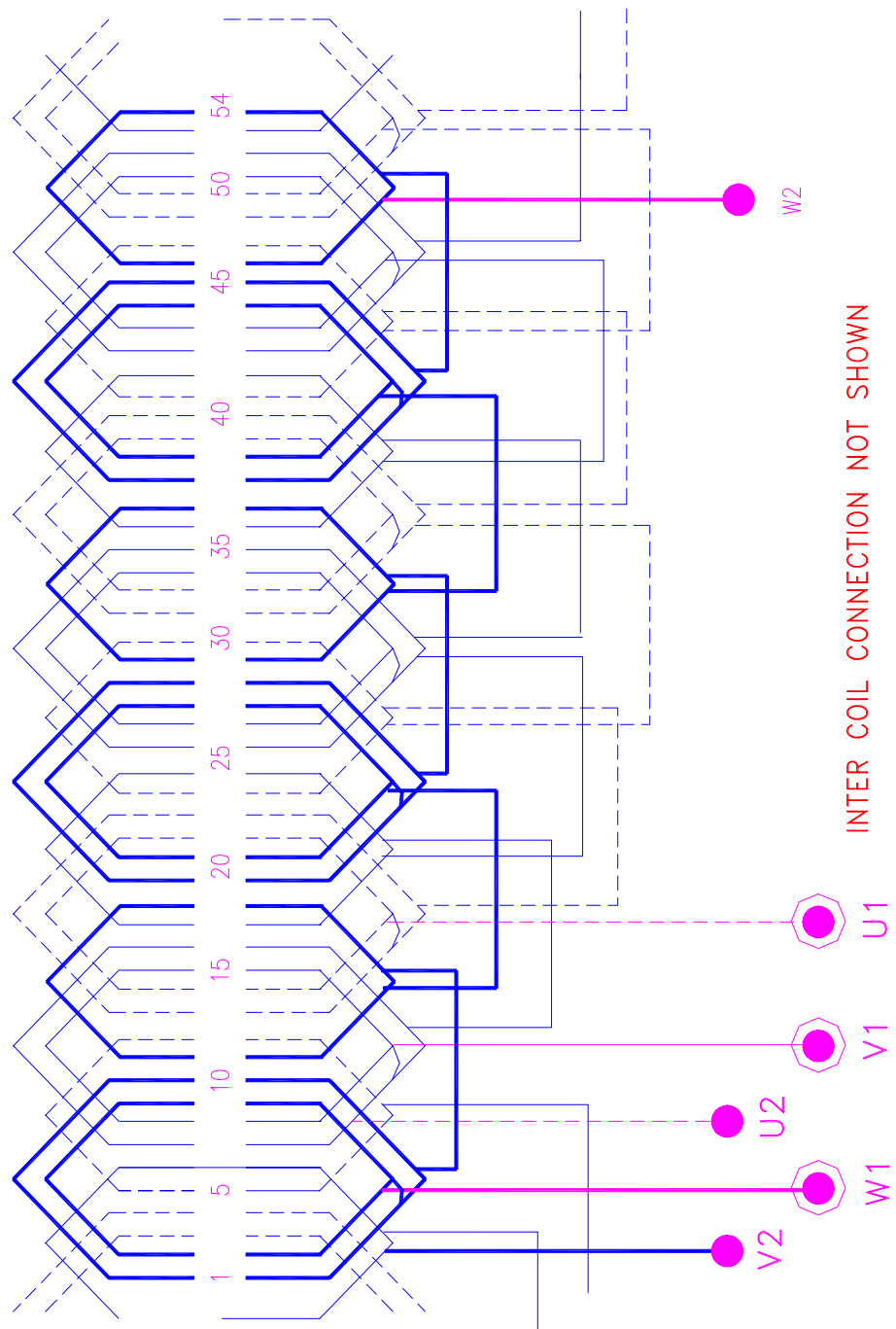
8. **Periodicity :** During rewinding on need basis

9. **Distribution :** As per enclosed list.

14.5.93

(G.R.Agarwal)
for Director General/Elec.

DIRECTION OF ROTATION : CLOCKWISE



REF: SIEMENS DRG. NO.
TME 6.1-6313

SCALE: NTS

APPROVED

REWINDING DIAGRAM FOR SIEMENS
MAKE MCP TYPE ILA6 186-6, ILA6-188-6

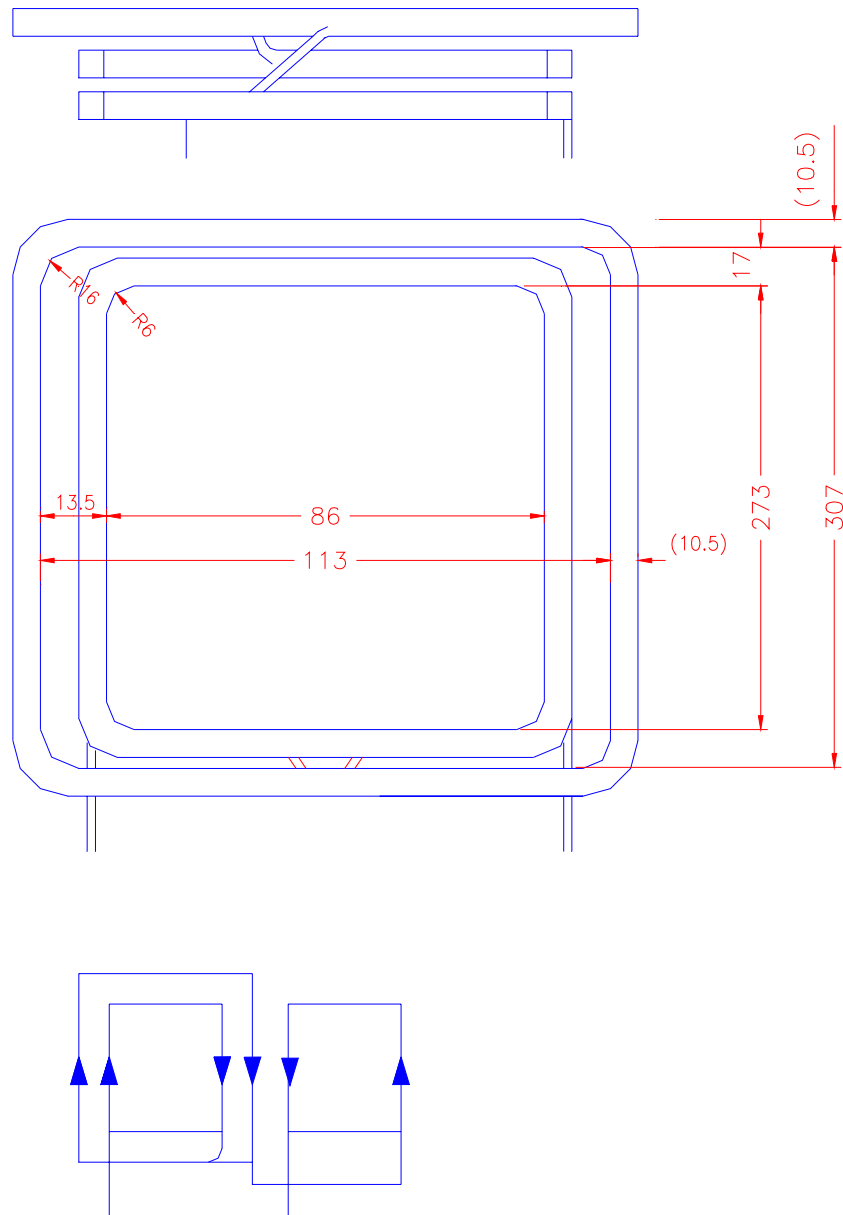
R.D.S.O. ELEC. DTE

SKEL-4262

Dt.

T

D



		KO-Coil	
		1LA6 188-6	
		4H-2618-7114-0224937	
	SIEMENS INDIA LTD. WMOT		
		(4H 2618-71)	

