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SN	ITEM	Current Drawing & Specification no.	CATEGORY OF APPROVED VENDORS			REMARKS
			PART-I ( Regular)	PART-II ( Developmental)	Sources identified for development)	

## CHAPTER -V

### STATIC EQUIPMENTS

**ORDERS ON SOURCESES IDENTIFIED FOR DEVELOPMENT TO BE DONE BY CLW ONLY AND NOT BY ZONAL RAILWAYS**

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1	Insulating and allied items for CTF&J <i>F319/941</i>	Specn.No.4TES.103.003, ALT-8	Industrial Moulder & Fabricator (IMF) /Kol	I-19	Micaply/ Bhopal R.G. Industries/Kol Shanti Fibre/ Kol	M-33 R-01 S-25		
2	<ul style="list-style-type: none"> <li>Insulating components (Glass Epoxy) for SC <i>F016/263</i></li> <li>Insulating components (Glass Epoxy) for MC <i>F156/404</i></li> <li>Insulating components (Glass Epoxy) for C-145 <i>F155/048</i></li> <li>Insulating components (Glass Epoxy) for EMC <ul style="list-style-type: none"> <li>(a) Arc Chute cover assly <i>F365/015</i></li> <li>(b) Insulated link assly, <i>F365/017</i></li> <li>(c) Insulated support <i>F365/019</i></li> <li>(d) Insulated barrier <i>F365/021</i></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Specn.No.4TES.111.023 , ALT-NIL</li> <li>Specn.No.4TES.111.023 NIL</li> <li>Specn.No.4TES.111.023 ,ALT-NIL</li> </ul> <p>Specn.No.4TES.111.023, ALT-NIL (i) In Sheet No. 1 Drg.No.3TWD.291.013 ALT-5 (ii) 3TWD.291.013ALT 1 In Sheet No. (2) Drg.No.4TWD.291.062 ALT-3 Drg.No.4TWD.291.007 ALT-10 Drg.No.3TWD.291.018 ALT-3</p>	IMF/ KOL	I-19	Shanti Fibre/ Kol	S-25		
			Micaply/ Bhopal	M-33				
			Power Mica Insulators /Kol	P-35	R.G. Ind/Kol	R-1		
3	<ul style="list-style-type: none"> <li>Support plates (LGFP) for SC <i>F016/052</i></li> <li>Support plates (LGFP) for MC</li> </ul>	<ul style="list-style-type: none"> <li>Drg.No.2TWD.111.076A, ALT-4</li> <li>Drg.No.2TWD.112.006, ALT-6</li> </ul>	IMF/ KOL	I-19	Permali Wallace/ Bhopal	P-08		

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	<i>F156/115</i> •Support plates (LGFP) for C-145 <i>F155/049</i>	•Drg.No.2TWD.113.020A, ALT-5  •Spec No. 4TMS.111.002 ALT -4 in All	Shanti Fibre/Kol	S-25	R,G. Ind/Kol	R-01		
4	Insulator for SC, MC & C-145 <i>F016//077,F156/096,F155/094</i>	Drg.No.3TWD.111.100, ALT-14	IMF/ KOL	I-19	Alpha Carbon & Brush Mfg /Kol	A-25		
			Permal Wallance /Bhopal	P-08				
			Shanti Fibre/ Kol	S-25				
5	•Insulating & allied items (Other than Epoxy) for C-145 <i>F155/337</i> •Insulating & Allied items (Other than Epoxy) for SC <i>F016/243</i> •Insulating & Allied items (Other than Epoxy) for MC <i>F156/373</i> •Gasket for CTF&J <i>F319/690</i>	•Specn.No.4TES.111.024, ALT-NIL  •Spec.No.4TES.111.024 ALT-NIL  •Spec. No.4TES.111.024 ALT-NIL  •Drg No.3TWD.101.034 Alt-4	Hindustan/ Kol	H-17				
			IMF/ KOL	I-19				
			SEPCO/ Kol	S-58				
			Shanti Fibre/ Kol	S-25				
			B.G. Industries /HWH	B-52				
6	F.W Handle & Hand wheel Assly.for MP <i>F154/387</i>	Spec.No.4TES.241.013, ALT-2	Hindustan Trading / Kol	H-31		Balin & Co/ Kol	B-54	
			IMF/ KOL	I-19		Shanti fibre /Hwh	S-25	
						B.G.Ind/Kol	B-52	
7	CAM (Hard Nylon) for MC & C-145	Drg.No.4TWD.112.073, ALT-9	Power Mica Insulators / Kol	P-35				

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	<i>F156/163,F155/161</i>		Rajarshi Moulders/ Kol	R-37			
8	<ul style="list-style-type: none"> <li>• Finger contact &amp; Flexible shunt Assly for CTF &amp; J <i>F157/134</i></li> <li>• Flexible shunt &amp; Braid Assly.for MC <i>F156/299</i></li> <li>• Flexible shunt &amp; Braid Assly.for C-145 <i>F155/335</i></li> <li>• Flexible shunt &amp; Braid Assly.for SC <i>F016/241</i></li> <li>• Contact Segment Assly. 'C' Type <i>F158/722</i></li> <li>• Contact Segment Assly. 'T' Type Big <i>F158/721</i></li> <li>• Contact Segment Assly. 'T' Type Small, CTF&amp;J <i>F157/720</i></li> </ul>	<ul style="list-style-type: none"> <li>• Drg.No.4TWD.101.064, ALT-6 (Sheet No.0)</li> <li>• Specn.No.4TES.111.025ALT-2</li> <li>• Specn.No.4TES. 111.025 ALT-2</li> <li>• Specn.No.4TES. 111.025 ALT-2</li> <li>• Drg.No.3TWD.101.109 ALT-5 in sheet No.1 &amp; 3TWD.101.109ALT-2 in Sheet No.2 ( 2 Sheets )</li> <li>• Drg.No.3TWD.101.108 ALT-4 in sheet-1 &amp; 2TWD.101.108ALT-2 in Sheet No.2 ( 2 Sheets )</li> <li>• Drg.No.3TWD.101.050, ALT.3 in sheet no.1 &amp; 2TWD.101.050 ALT-7 IN Sheet No.2 ( 2 Sheets )</li> </ul>	<ul style="list-style-type: none"> <li>Kamlesh Industries/ Mumbai</li> <li>Alasia Engineering./ HWH</li> <li>Acme Engineering/ KGP</li> <li>Continental Engg / Kol</li> <li>Patron Industries/ HWH</li> <li>Oriental Fibre &amp; Engg /Kol</li> <li>IMA/ Kol</li> <li>Navanirman/ Kol</li> <li>Atlanta/ HWH</li> <li>Alpha Carbon/ Kol</li> </ul>	<ul style="list-style-type: none"> <li>K-04</li> <li>A-20</li> <li>A-11</li> <li>C-24</li> <li>P-40</li> <li>O-13</li> <li>I-32</li> <li>N-19</li> <li>A-52</li> <li>A-25</li> </ul>	<ul style="list-style-type: none"> <li>Chandra Udyog/HWH</li> <li>Metal Engrs./ Kol</li> <li>Reform/ Kol</li> <li>Stesalit/ Kol</li> </ul>	<ul style="list-style-type: none"> <li>C-13</li> <li>M-27</li> <li>R-14</li> <li>S-54</li> </ul>	
9	<ul style="list-style-type: none"> <li>•Copper items for MC <i>F156/382</i></li> </ul>	<ul style="list-style-type: none"> <li>• Specn.No.4TES.111.029, ALT-1</li> </ul>	<ul style="list-style-type: none"> <li>Acme/ KGP</li> <li>Alasia Eng./ HWH</li> </ul>	<ul style="list-style-type: none"> <li>A-11</li> </ul>	<ul style="list-style-type: none"> <li>Atlanta/ HWH</li> </ul>	<ul style="list-style-type: none"> <li>A-52</li> </ul>	

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	<ul style="list-style-type: none"> <li>Copper items for C-145 F155/345</li> <li>Finger contact (copper) for SC F016/013</li> </ul>	<ul style="list-style-type: none"> <li>Spec.No. 4TES.111.029, ALT-1</li> <li>Drg..No.3TWD.111.051, ALT-8 &amp; Spec No. 4TES.111.029 ALT -1</li> </ul>			Bhopal Electric Insulation /Bhopal	B-31		
			CEW/ Kol	C-24	Oriental fibre & Engg.Industries/ Kol	O-13		
			Metal Engrs. / Kol	M-27	Patron Industries/ HWH	P-40		
			Selvoc/ Kol	S-19	SEPCO/Kol	S-88		
					Alpha Carbon/ Kol	A-25		
10	Copper and Brass items for MP F154/402	Specn.No.4TES.241.024, ALT-2	BKI/ HWH	B-03				
			Selvoc/ Kol	S-19				
			Acme/ KGP	A-11				
			National Eng./ Kol	N-01				
11	<ul style="list-style-type: none"> <li>Brass items for SC F016/240</li> <li>Brass items for C-145 F155/333</li> <li>Brass items for MC F156/379</li> </ul>	<ul style="list-style-type: none"> <li>Specn.No.4TES.111.021, ALT-NIL</li> <li>Specn.No.4TES.111.021, ALT-NIL</li> <li>Specn.No.4TES.111.021, ALT-NIL</li> </ul>	Acme/ KGP	A-11	IMP/Kol	I-33		
			BKI/ HWH	B-03				
			CEW/ Kol	C-24				
			Ma-Tara Eng./ HWH	M-51				
			Navanirman/ Kol	N-19				
			Selvoc/ Kol	S-19				
12	Finger contact lever (Brass) for SC F016/091	Drg.No.3TWD.111.060, ALT-11	Acme/ KGP	A-11				
			Alasia/ HWH	A-20				
			Chandra Udyog/ HWH	C-13				
			Navanirman / Kol	N-19				
			Selvoc Enterprise/ Kol	S-19				
13	<ul style="list-style-type: none"> <li>Blowout Coil Assly. (Complete) for SC F016/005</li> <li>Blowout Coil Assly.</li> </ul>	<ul style="list-style-type: none"> <li>Drg.No.3TWD.111.101, Alt-5</li> <li>Specn.No 4TES.111.004, ALT-4</li> <li>Drg.No.3TWD.112.003, ALT-</li> </ul>	Alpha Carbon/ Kol	A-25	Chandra Udyog/ HWH	C-13		
			Atlanta/ HWH	A-52				
			CEW/Kol	C-24				
			Metal Engrs. /Kol	M-27				

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	(Complete) for MC <i>F156/003</i>  • Blowout Coil Assly. (Complete) for C-145 <i>F155/003</i>	6 Specn.No.4TES.111.004, ALT-4 • Drg.No.3TWD.113.017, ALT-1 Specn.No.4TES.111.004, ALT-4	Oriental Fibre/ Kol Patron Industries/ HWH Selvoc / Kol Standard Engg./ Kol	O-03 P-40 S-19 S-89				
14	• Aluminium Alloy items for SC ; <i>F016/238</i> • Aluminium Alloy items for MC ; <i>F156/367</i> • Aluminium Alloy items for C-145 ; <i>F155/331</i> • Aluminium Alloy items for MP ; <i>F154/404</i>	• Specn.No.4TES.111.027, ALT-NIL • Specn.No.4TES.111.027, ALT-NIL • Specn.No.4TES.111.027, ALT-NIL • Specn.No.4TES.241.027, ALT-NIL	Chandra Udyog/ HWH  Selvoc/ Kol	C-13  S-19			Indian Metal & Alloys Mfg Co/Kol	I-32
15	Cam Disc (Al. Alloy) for MP ; <i>F154/374</i>	Drg.No.4TWD.241.128A, ALT-3	CEW/ Kol Chandra Udyog/ HWH Selvoc/ Kol	C-24 C-13 S-19	BL Engg./ Kol	B-56		
16	• Al. Bronze items for SC <i>F016/239</i> • Al. Bronze items for MC <i>F156/409</i> • Al. Bronze items for C145 <i>F155/350</i>  Al. Bronze items for MP <i>F154/401</i>  Carrier (Al Bronze) duly machined. for CTF & J <i>F157/895</i>	• Specn.No.4TES.111.020 (R.-1.) , • Specn.No.4TES.111.020 (R-1.) • Specn.No.4TES.111.020 (R-1) Specn.No.4TES.111.020 REV.1  Specn no. 4TES.111.020 REV.1  Drg.No.3TWD.101.090, ALT-16 Specn No.4TES.111.020 REV.1	Chandra Udyog/ HWH  Selvoc/ Kol	C-13  S-19			Indian Metal & Alloys Mfg Co/Kol	I-32

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17	Ball (Bronze) for CTF& J F157/139	IS:1458'65, Class-I	Ashok Engg./ HWH	A-78	S K Das/ HWH	S-05		
			Chandra Bros./ HWH	C-43				
	Roller (Bronze) for CTF & J F319/732	Drg.No.4TWD.101.039, ALT-5	Selvoc/ Kol	S-19				
18	•Sintered Bronze items for MC & SC F156/376, F016/085 •Sintered Bronze items for C-145 F155/340	•Specn. No. 4TES.112.014 ALT.2			Ashok Engg. / HWH	A-78	MM Hydro pneumatics (P) Ltd/ Mumbai	M-59
					Universal / Hwh (Dealer of GSP brand)	U-23		
					Industrial Engg./Kol (Earlier M/s. Cintrex)	I-34		
19	•Mobile contact lever (MCD) for MC F156/192 •Mobile contact lever (MCD) for C-145 F155/145	•Drg.No.3TWD.112.117B, ALT-2 (sheet No.1) Drg.No.3TWD.112.117B, ALT-1 (sheet No.2) •Drg.No.3TWD.113.023A, ALT-4 & Drg.No.3TWD.112.117 (sheet-1), ALT-7	SelvocEnterprise / Kol	S-19			Indian Metal & Alloys Mfg Co/Kol	I-38
			Super Metal/ Kol	S-91				
20	Brazing Alloy Rod $\phi$ 2.5 mm x 500 mm long for MC & C-145 F156/258 F155/327	Specn.No.4TES.112.016, ALT-1			Saru Silver/ Meerut	S-76		
					Shradha Ref./ Khamgaon	S-75		
					Bharat Solder Industries /Kol	B-53		
21	Steel items for CTF & J F319/949	Specn.No. 4TES.111.026 ALT-NIL	BKI/ HWH	B-03	CS Engrs./ Kol	C-01		
					Ma Tara Engg/HWH	M-51		
22	Steel components for MP F154/392	Specn.No.4TES.111.026 ALT-NIL	BKI/ HWH	B-03				
			CS Engrs./ Kol	C-01				
23	•Steel items for SC F016/242	•Specn.No.4TES.111.026 ALT-	BKI/ HWH	B-03	Industrial Metal Product / Kol	I-33		
			CS Engrs./ Kol	C-01				

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	<ul style="list-style-type: none"> <li>Steel items for MC F156/387</li> <li>Steel items for C-145 F155/348</li> </ul>	NIL	Ma Tara Engg. Works/ HWH	M-51	Universal sheet Metal Engg Works/HWH	U-20			
			Selvoc/ Kol	S-19					
24	<ul style="list-style-type: none"> <li>Steel items for EMC</li> <li>Mounting bkt assly (single) F365/156</li> <li>Lever assly (single) F365/157</li> <li>Mounting bkt assly ( double) F365/166</li> <li>Lever assly (double) F365/167</li> </ul>	<ul style="list-style-type: none"> <li>Drg.No.3TWD.291.050, ALT-1</li> <li>Drg.No.3TWD.291.049, ALT-1</li> <li>Drg.No.3TWD.291.051, ALT-1</li> <li>Drg.No.3TWD.291.052, ALT-1</li> <li>Specn.No.4TES.111.026 ALT-NIL</li> </ul>	BKI/ HWH	B-03					
			Selvoc/ Kol	S-19					
25	End support Assly. for EMC F365/018	Drg.No.3TWD.291.022, ALT-4	BKI/ HWH	B-03					
			CEW/ Kol	C-24					
26	<ul style="list-style-type: none"> <li>Anchoring Hook Assly. for SC, F016/018</li> <li>Anchoring Hook Assly. for MC, F156/004</li> <li>Anchoring Hook Assly. for C-145 F155/007</li> </ul>	<ul style="list-style-type: none"> <li>Drg.No.2TWD.111.083, ALT-8</li> <li>Drg.No.2TWD.112.013, ALT-8</li> <li>Drg.No.2TWD.113.022, ALT-3 to</li> <li>Spec no.4TES.111.026 ALT-NIL</li> </ul>	BKI/ HWH	B-03					
			CEW/ Kol	C-24					
			Selvoc/ Kol	S-19					
27	Items for SM Assly for CTF & J ;F319/938	Specn.No.4TES.103.004, ALT-5	Atlanta Engg. /HWH	A-52	Tara Ma/ HWH	T-27			
			BK Industries/ HWH	B-03					
28	Locking Bolt Assly. for CTF & J F157/034	Drg.No.4TWD.101.112, ALT-5	CS Enggrs./ Kol	C-01	AK Engg. / HWH	A-02			
					Ma Tara Engg/HWH	M-51			
					BKI/ HWH	B-03			
29	Kits for Support Assly.	Specn.No.4TES.103.014,	BKI/ HWH	B-03.					

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	for CTF & J F319/953	ALT-4	CS Engrs./ Kol	C-01				
			Kajol/ Kol	K-42				
			Selvoc/ Kol	S-19				
30	Bearing Pin Assly. for MP F154/053	Drg.No.4TWD.241.033A, ALT.2	BKI/ HWH	B-03				
			BL Engg./ Kol	B-56				
31	Shaft Assly. for CTF & J F158/720	Drg.No.4TWD.102.031, ALT-10 (sheet No.0)	Kajol/ Kol	K-42	Magnum Industries /HWH	M-55		
			Selvoc/ Kol	S-19				
32	Shaft & Hollow Shaft Assly for MP F154/390	Specn.No.4TES.241.016, ALT-3	Atlanta Engg./ HWH	A-52				
			BKI/ HWH	B-03				
			BL Engg./ Kol	B-56				
33	Corner Pillars & Contact support for MP F154/391	Specn.No.4TES.241.017, ALT-5	BKI/ HWH	B-03				
			Kajal/ Kol	K-42				
34	Disc and Lever Crank Kit for MP F154/301	Specn.No.4TES.241.008, ALT-3	Kajal/ Kol	K-42	Navanirman/ Kol	N-19		
	Kit for interlocking lever Assly. for MP F154/310	Specn.No.4TES.241.010, ALT-3	SN Mandal/ HWH	S-92				
	Box for MP F154/006	Specn.No.4TES.241.006, ALT-8	BL Engg./ Kol	B-56				
	Box for CTF & J F158/601	Specn.No.4TES.103.002, ALT-14					BKI/ HWH	B-03
35	•Standard Hardwares for i) CTF ii) J i)F319/966 ii) F320/961 •Standard Hardwares for SC & MC	•Specn.No.4TES.111.022 Alt - 1 •Specn.No.4TES.111.022, ALT-1	Bolt Master Pvt Ltd./Mumbai	B-48				
			GKW/Kol	G-19				
			LPS/ Rohtak	L-05				

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	<i>F016/268, F156/412</i> •Standard Hardwares for EMC <i>F365/160</i> •Standard Hardwares for C-145 <i>F155/372</i> •Standard Hardwares for MP <i>F154/408</i>	<ul style="list-style-type: none"> <li>Specn.No.4TES.111.022, ALT-1</li> <li>Specn.No.4TES.111.022 ALT-1</li> <li>Specn.No.4TES.111.022 ALT-1</li> </ul>	Precision Fasteners/ MB	P-19			
			Sundaram Fastner/ Chennai	S-59			
			Vardhman Ind Fasteners /Delhi	V-02			
36	<ul style="list-style-type: none"> <li>•Socket hd. Cap Screw M6X20 for CTF &amp; J <i>F157/729</i></li> <li>•Socket hd. Cap Screw M10x50 for MP <i>F154/098</i></li> <li>•Socket hd. Cap Screw M8X25 for SC <i>F016/014</i></li> <li>•Socket hd. Cap Screw M8X50 for MC &amp; C-145 <i>F156/098 &amp; F155/099</i></li> <li>•Socket hd. Cap Screw M8X30 for SC, MC &amp; C-145 <i>F016/079, F156/034 &amp; F155/316</i></li> </ul>	<ul style="list-style-type: none"> <li>•IS:2269 ( Latest Version ) P-12.9 Zinc/cad. plated</li> <li>•IS:2269/81 P-12.9 Zinc/cad. plated</li> <li>•IS:2269*81 P-12.9 Zinc/cad. plated</li> <li>•IS:2269*81 P-12.9 Zinc/cad. plated</li> <li>•IS:2269*81 P-12.9 Zinc/cad. plated</li> </ul>	<ul style="list-style-type: none"> <li>Bolt Master Pvt Ltd./Mumbai</li> <li>GKW/Kol</li> <li>LPS/ Rohtak</li> <li>Precision Fasteners/ MB</li> <li>Sundaram Fastner/ Chennai</li> <li>Vardhman Ind Fasteners/Delhi</li> </ul>	<ul style="list-style-type: none"> <li>B-48</li> <li>G-19</li> <li>L-05</li> <li>P-19</li> <li>S-59</li> <li>V-02</li> </ul>			
37	<ul style="list-style-type: none"> <li>•Special Hardwares for CTF &amp; J <i>F319/965</i></li> <li>•Special Hardwares for SC <i>F016/251</i></li> <li>•Special Hardwares for MC</li> </ul>	<ul style="list-style-type: none"> <li>•Specn.No.4TES.111.030 ALT-1</li> <li>•Specn.No.4TES.111.030, ALT-1</li> <li>•Specn.No.4TES.111.030 ALT-1</li> </ul>	BL Engg./Kol	B-56	<ul style="list-style-type: none"> <li>Associated Manufacturers( India) / Kol</li> <li>Ma Tara Engg/HWH</li> </ul>	<ul style="list-style-type: none"> <li>A-49</li> <li>M-51</li> </ul>	

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	(Phosphated) for MP, MC & C-145. <i>F154/097, F156/212</i>		Elmech/ HWH	E-18			
			KN Hazra / HWH	K-43			
42	Disc Spring A10 and Disc Spring (SPL) for CTF, J & MP <i>F157/029,730, F154/230</i>	Drg.No.4TWD.133.040, ALT-1 (sheet.3/3) Ref-2 Ref-17 Ref-18	CEW/ Kol	C-24			
			Windston/ Mumbai	W-07			
43	Helical Spring for CTF,J SC, MC & C-145 <i>F157/046, 137, F156/067 F016/067,096</i>	<ul style="list-style-type: none"> <li>• Drg.No.4TWD.101.025A, ALT-3</li> <li>• Drg.No.4TWD.101.065A, ALT-4</li> <li>• Drg.No.4TWD.111.046A, ALT-2</li> <li>• Drg.No.4TWD.111.047A, ALT-3</li> <li>• Drg.No.4TWD.112.029A, ALT-4</li> </ul>	International/ Mumbai	I-35	Pioneer Spring/ Kol	P-41	
			Stumpp Schuele & Somappa /Bangalore	S-94			
			CEW/ Kol	C-24	Young Graduate & Co/Kol	Y-01	
	Spring items for MP <i>F154/397 &amp; 174</i>	Specn.No.4TES.241.023, ALT-2	USM/ Kol	U-20			
44	Aux. Switch Assly. for CTF, J& MP <i>F157/011</i>	Drg No. 4TWD.101.138 ALT -6 ( Outer Sheet ) and Specn No. 4TES.111.028 ALT-NIL	Alasia Engg./ HWH	A-20	Satish Chandra samanta& Co/Hwh	S-95	
			New Supreme /Kol	N-11			
			Plasto Metal Ind/ Kol	P-13			
			Potential/ Kol	P-29			
	<ul style="list-style-type: none"> <li>• Aux. Contact &amp; Support Assly. with 6 (six) Aux. switches for MC <i>F156/013</i></li> </ul>	<ul style="list-style-type: none"> <li>• Drg.No.4TWD.112.090, ALT-4 (sheet No.0) &amp; Specn. 4TES.111.028 ALT-NIL</li> <li>• Specn..No.4TES.111.028</li> </ul>	Rajarshi Moulder/ Kol	R-37			

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	• Aux. Switch Assly. for EMC <i>F365/158, 165</i>	ALT-NIL					
45	Rubber items for CTF, J, SC, MC & C-145 <i>F319/951</i> <i>F016/064</i> <i>F156/083</i> <i>F155/081</i>	specn.No.4TES.103.013, ALT-2 Drg.No.4TWD.111.073, ALT-4	Basant Rubber H.G.Industries /Kol Jaishree Rubber /Giridih MGM Rubber/ Kol Shree Rubber Works/ Mumbai Sujan Ind. Swan Rubber/Kol M/s Diehard Polymer/Kol	B-10 H-01 J-12 M-32 S-27 S-69 S-64 D-10	Phoenix/Kol	P-10	
46	Stopper Assly. for MP <i>F154/185</i>	Drg.No.4TWD.241.066, ALT-5	Diehard Polymer/ Kol MGM Rubber/ Kol Swan Rubber/ Kol	D-10 M-32 S-64			
47	• Maker's Name Plate for CTF 1, 2 & 3 <i>F319/960, 947</i> • Maker's Name Plate for J <i>F320/936</i> • Maker's Name Plate for SC <i>F016/252</i> • Maker's Name Plate for MC <i>F156/392</i> • Maker's Name Plate for C-145	• Drg.No.4TWD.103.016A, ALT-NIL Drg.No.4TWD.103.017A, ALT-NIL • 4TWD.103.014A, ALT-NIL • 4TWD.111.025A, ALT-1 • 4TWD.112.092A, ALT-1 • 4TWD.113.001A, ALT-1	Dhar & Co./Kol Electro Engg. Corporation/ Kol ILKA Metal Industries (P) Ltd/ Kol National Engraving/Kol	D-07 E-11 I-03 N-03	Sales & Service / Kol	S-08	

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	<i>F155/352</i> • Maker's Name Plate for EMC <i>F365/246</i> Name and allied Plates for MP <i>F154/406</i>	• 4TWD.291.021A, ALT-1 • 4TES.241.025, ALT-5	Sarweswar Engg Corporation/ Kol	S-86				
48	Electro valve Assly. for CTF, J, SC, MC & C-145 <i>F016/261</i>	4TWD.111.118, ALT-13 (sheet no.0) & Specn No. 4TES.111.018, ALT-2	CEW/ Kol Cibimar/ Kol Patron/ HWH Precitech. / HWH Recon/ HWH Rotex/ Vadodara	C-24 C-15 P-40 P-42 R-13 R-20	Inspross Engg /BPL	I-23		
49	Magnet & Armature Assly. for EMC <i>F365/062</i>	Specn.No.4TES.291.002 ALT-12	ACME/ KGP CEW/ Kol Cibimar/ Kol IMF/ Kol Patron/ HWH	A-11 C-24 C-15 I-19 P-40				
50	Fixed and Mobile contact Assly. for EMC <i>F365/063</i>	Specn.No.4TES.291.001 ALT-6	CEW/ Kol IMP/ Kol	C-24 I-33	ACME / KGP Alasia Engg./ HWH Alpha Carbon/ Kol Potential/ KGP	A-11 A-20 A-25 P-29		
51	Cable Socket for MP <i>F154/398</i>	Drg.No.4TWD.241.124, ALT-5	KSE Elect./ Kol Universal Machines/Kol Kamalesh Ind/Mumbai Chetna Engg / Nasik Electro Crimps Contacts/ Nasik UML Engg (P)	K-41 U-23 K-04 C-42 E-10 U-03	Forward Engg Narbada Agrico Electro Lugs& Terminals	F-19 N-16 E-12		

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52	Ball Bearing for MP <i>F154/388</i>	Specn.No.4TES.241.014 ALT-1	SKF	S-39			Any authorized dealer of SKF can supply.
53	Arc-chute Assly. for EMC <i>F365/010</i>	Drg.No.4TWD.291.005, ALT-6	BG Industries/ HWH	B-52			
			Goswami & Co/ Kol	G-24			
			Textech/ Kol	T-24			
54	<ul style="list-style-type: none"> <li>Spring Dowel Sleeves for CTF &amp; J <i>F319/701</i></li> <li>Spring Dowel Sleeves for MP <i>F154/176</i></li> </ul>	<ul style="list-style-type: none"> <li>Drg.No.4TWD.101.029A ALT-2</li> <li>Specn.No.4TES.241.011 ALT-2</li> </ul>	CEW/ Kol	C-24	National Engg. / Kol	N-01	
					Asha Spring/ HWH	A-39	
			Usha Sheet Metal/ Kol	U-20	BKI/ HWH	B-03	
55	Dowel Pin for MC & C-145 <i>F156/073 F155/147</i>	Drg.No.4TWD.112.095, ALT-3	BKI/ HWH	B-03	CS Engrs./ Kol	C-01	
			Elmech/ HWH	E-18			
	Taper & split pins for SC <i>F016/248</i>	Specn.No.4TES.111.014 ALT-2	Meco Products/ Kol	M-57			
	Cylindrical Pin for CTF & J <i>F157/083</i>	IS:6689'72	BL Engg./ Kol	B-56			
	Split taper Pin for MP <i>F154/205</i>	Specn.No.4TES.241.009 ALT-1	KN Hazra & Co/ HWH	K-43			
56	Cable Support for MP <i>F154/007</i>	Drg.No.3TWD.241.200 ALT-NIL	BKI/ HWH	B-03			
			CS Enggrs/Kol	C-01			
			USM/ Kol	U-20			

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57	<ul style="list-style-type: none"> <li>•Self tapping hammer drive <u>Screw type 'U'- PAN/RD. HD. No.2x6.5 long for SC F016/265</u></li> <li>•Self tapping hammer drive <u>Screw type- AB, PAN/RD.HD.No.8x9.5 long for MC F156/042</u></li> <li>•Self tapping hammer drive <u>Screw type-'U' No.4x6.5 long for EMC F365/032</u></li> <li>•Self tapping hammer drive <u>Screw type-'B' PAN/RD. HD. No.4.x6.5 long for CTF &amp; J F157/021</u></li> <li>•Self tapping hammer drive <u>Screw type-'AB' PAN/RD. HD. No.4x6.5long for SC F016/041</u></li> </ul>	<ul style="list-style-type: none"> <li>•Drg.No.4TDD.000.008, ALT-3</li> <li>•Drg.No.4TDD.000.006, ALT-3</li> <li>•Drg.No.4TDD.000.008, ALT-3</li> <li>•Drg.No.4TDD.000.007, ALT-2</li> <li>•Drg.No.4TDD.000.006, ALT-3</li> </ul>	Dhar & Co/ Kol	D-07				
			PK Dutta/ Kol	P-37				
			Sales & Service/ Kol	S-08				
58	Laminations for C-145 <i>F155/341</i>	Drg.No.3TWD.113.029, ALT-7	Avon Spring & accessories (P) Ltd/Kol	A-72	Navanirman/ Kol	N-19	Maraica Ind/Kol	M-48
59	Plastic Labels (TR , BR & ARROW )for CTF & J <i>5158/031 , 032</i> <i>5157/031</i>	Drg.No.4TWD.101.136-1,2 & 3,ALT-2	Dhar & Co./ Kol	D-07	Permamil HipicalBrand	P-24		
			Electro Engg Corporation/ Kol	E-11				
			KSE Electrical	K-24				
			Sarweshwar Engg Corpn.	S-15				
			Vidut Udyog/Kol	V-10				
			Mayfair Electricals /Kol	M-19				

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			Bombay Traders/Mumbai	B-39			
60	Petroleum Jelly for CTF & J F157/663	IS:4887'80	Dhar & Co. /Kol (Trader)	D-07			
			Sales & Service/ Kol (Trader)	S-08			
61	Quick fix or similar adhesive for CTF,J,MP, SC, MC, C-145 & EMC F154/403		Reliance Comm./ Kol (Trader)	R-38			
			Dhar & Co./ Kol (Trader)	D-07			
			Sales & Service/ Kol (Trader)	S-08			
			Calcutta Genl. /Kol (Trader)	C-44			
62	Binding strip & Buttons for MP F154/400	Drg.No.4TWD.241.121, ALT-4	Mayfair/ Kol	M-19	Goswami & Co/Kol	G-24	
			Shaw & Shaw/ Kol	S-26			
63	Cable Tag for MP F154/159	Specn.No.4TES.241.028 ALT-NIL	KSE Electrical/ Kol	K-41	Permacil HipicalBrand	P-24	
			Sarweswar/ Kol	S-15			
			Vidut Udyog/Kol	V-10			
			Maytair Electricals/Kol	M-19			
			Bombay Traders /Mumbai	B-39			
64	Felt Ring for SC, MC & C-145 F016/065	Drg.No.4TWD.111.074, ALT-6	Feltex India/ Kol	F-27			
			Sree Kishan/ Kol	S-28			
65	•Nyloc self locking nut M6 for SC, MC & C-145	•Drg.No.3TDD.000.020, ALT-2	Paramount/ Nasik	P-39	U.K.Entp/Kol	U-22	

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	<i>F016/028</i> •Nyloc self locking nut M5 for SC & C-145 <i>F016/133, F155/041</i>	•Drg.No.3TDD.000.020, ALT-2	Simonds Marshall/ Pune	S-87				
66	Baffle and Barrier plates & Allied items (non-asbestos) for SC, MC & C145 <i>F016/270, F156/416 &amp; F155/374</i>	Specn.No.4TES.111.019, ALT-3	BG Industries/ HWH	B-52	Balin/ Kol	B-54	Mica Ply /Bhopal	M-33
					Cibimar & Co/Kol	C-15	Satish Chandra samanta/ Hwh	S-95
					Shanti Fibre /Kol	S-25	Power mica Insulator/kol	P-35
					Hindustan Trading /Kol	H-31		
67	Anaerobic Locking Adhesive for MC & C-145 <i>F156/413, F155/370</i>	Specn.No.4TMS.000.027 ALT-Nil	Anabond Ltd.	A-75				
68	• Insulating Varnish Class 'B' (Air drying) F155/133 • Thinner for Insulating Varnish Class 'B' (Air drying) F155/134	•Specn.No.4TMS.000.026, ALT-1 •Specn.No.4TMS.000.026, ALT-1			British Electrical/ Kol	B-55		
					Zenith/ Asansol	Z-02		
69	Blocking Plug for Pneumatic connection to SC, MC, C-145, CTF & J F016/269, F156/415, F155/373, F157/664 & F158/689	Drg.No.4TWD.111.120, ALT-NIL	New Supreme/ Kol	N-11	Shanti Fibre/ Kol	S-25		

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70	<ul style="list-style-type: none"> <li>•CTF 1&amp;2 5159/F319/001,002</li> <li>•CTF-3 5159/F319/100</li> <li>•Reverser (J 1&amp;2) 5119/F320/300</li> </ul>	Drg No. 1TWD.103.001ALT-6 Spec No. 4TTS.101.005(A) ALT5 Drg no. 1TWD.103.028ALT-6 Spec No. 4TTS.101.005(A) ALT 5 Drg No. 1TWD.103.008 ALT 6 & Spec No. 4TTS.101.005(A) ALT 5	STESALIT/KOL	S-54				
			ELCO/KOL	E-32				
71	<ul style="list-style-type: none"> <li>•EP CONTACTOR Shunting Contactor (SC) 5119/I/P/S/F016/000</li> <li>•Motor Contactor ( MC) 5119/I/P/S/F156/000</li> <li>•Braking Excitation Contactor (C-145) 5119/I/P/S /F155/000</li> </ul>	Drg No. 1TWD.111.111 ALT -10& 4TWD.111.034 ALT -1 Spec No. 4TES.111.003 Drg No. 0TWD.112.001 ALT 12 & 4TWD.112.043ALT 4 Spec No. 4TES.110.001 ALT -1 Drg No. 1TWD.113.039 ALT-4 & 4TWD.113 .061 ALT 2 Spec No. 4TES.113.001Alt - Nil	PATRON/HWH	P-40	Oriental Fibre & Engg Ind/Kol	O-13		
			RECON/KOL	R-13				
			ELCO/KOL	E-32	Continental Engg. Works/Kol	C-24		
72	<ul style="list-style-type: none"> <li>•Complete EM Contactor Assly 5119/F365/000</li> </ul>	Drg No.1TWD.291.033 ALT-9 Spec No. 4TTS.291.001 ALT5	STESALIT/KOL	S-54	PATRON Industrial corpn/HWH	P-40		The item has been transferred to CLW vide RLY Board letter no. 97/Electric (TRS)/113/4 Pt II dtd 11/10/2006.
					The Asian Plastic Co. /Hwh	A-45		
			Oriental Fibre & Engg Industries/ Kol	O-13	Continental Engg. Works/Kol	C-24		

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