

# **CATEGORY BOOK OF 2023-24**

# **FOR 3-PHASE TRACTION MOTOR**

# **PART-II (TYPE 6FXA-7059)**

## **NOTE:-**

- 1. STOCKING C&D NOS ARE UNDERLINED.**
- 2. MANUFACTURING SPARES, WIP AND BUFFER ARE TO BE CONSIDERED FOR CALCULATING NPQ.**
- 3. ALWAYS LATEST VERSION OF DRAWINGS/SPECIFICATIONS TO BE FOLLOWED.**

MATERIAL DEMAND SCHEDULE OF 3-PHASE TRACTION MOTOR TYPE 6 FXA 7059 FOR THE YEAR 2023-24

SN	TENDER CASE No.	KIT C&D. NO.	C&D.NO	M.C. NO.	DESCRIPTION	DRAWING NO.	SPECIFICATION NO./STR NO.	QTY./ TM	REMARKS
	176				<b>GROUP- A (FULLY IMPORTED)</b>				
1			5712/027 5812/007 307 & 407	29721106 22 17 A	POLYIMIDE FOIL (KAPTON), P1 FO 1 Size:- 0.125 x 510 mm (IN CONTINUOUS ROLL OF 50 m) ABB IDENT NO. GMM 590813 R/P : P 9126		4 TMS 096.092 CLW/TM/176 (Rev.0)	10 m of width 510 mm	COMMON TO 6FRA 6068
2			5816/050	29720904 01 17 A	POLYAMIDE (NOMEX Type - 410) STRIP SIZE:- 0.25 mm Thk. X 9 <sup>+0.02</sup> <sub>-0.4</sub> mm width x 417 ± 0.2 mm long.	4TWD.096.169 Ref.- 2, Alt-1or Latest	4 TMS 096.091 STR No. CLW/TM/STR/0861.(Rev. 0)	152 pcs	UN-COMMON TO 6FRA 6068
3	861		5712/331 5812/208	29720898 01 17 A	POLYAMIDE (NOMEX Type-410) STRIP SIZE:- 0.13 mm Thk X 8.4 ± 0.05 mm width x 90 ± 0.1 mm long.	4TWD.096.169 Ref.- 1, Alt-1or Latest	4 TMS 096.091 CLW/TM/STR/0861.(Rev. 0)	1134 pcs	COMMON TO 6FRA 6068
4			5716/023 5816/005	2972 5100 2217 A	POLYAMIDE PAPER (NOMEX), PAP 1 SIZE:- 0.38 X 914 mm (IN CONTINUOUS ROLL OF 10 m) ABB IDENT NO. NBT 402852		4TMS 096.091 CLW/TM/176 (Rev 0)	0.075 m of width 914 mm	DO
5	251		5716/010 5816/018	2972 1039 2217 A	SILICON IMPREGNATING RESIN SILRES H 62 C or EQUIVALENT		4 TMS 096.093 CLW/TM/12100	14.3 Kg	DO
6	169		5716/053 5812/238 5812/338 & 5812/408	29721064 1317A	NON ADHESIVE POLYIMIDE FILM TAPE 2 MIL THK. X 20 mm WIDE (IN CONTINUOUS ROLL OF 50 m)		4TMS 096.029 ALT-4 or Latest CLW/TM/169 (Rev 0)	390 m	DO
7	252		5716/012 5816/019	29721192 1317 C	AUXILIARY MATERIAL - 38 ABB IDENT NO. HZN 451560 R/P : P 0001		4TMS 096.093 CLW/TM/12100	0.26 Kg	DO
8			5716/019 5816/022	29721209 1317 C	BASIC RESIN SI - 32 ABB IDENT NO. HZN 451176		4 TMS 096.094 CLW/TM/12110	0.37 Kg	DO
9	257		5716/020 5816/023	29721210 1317 C	ACCELERATOR 27		4TMS 096.094 4TMS.096.016 (latest version) CLW/TM/12110	0.01 Kg	DO
10			5716/045 5816/038 5890/010	29720667 1317 C	SILICON RUBBER COMPONENTS ELASTOSIL RT 622 A OF WACKER METROARK CHEMICAL OR EQUIVALENTS		CLW/TM/0265 Rev.0 or latest	4.5 Kg	DO
11	265		5716/046 5816/039 5890/010	29720679 1317 C	SILICON RUBBER COMPONENTS ELASTOSIL RT 622 B OF WACKER METROARK CHEMICAL OR EQUIVALENTS		CLW/TM/0265 Rev.0 or latest	0.5 Kg	DO
12	265		5716/047 5816/040 5890/010	29720655 13 17 C	PRIMER G 790 OF WACKER MATROARK CHEMICALS OR EQUIVALENT		4 TMS 096.095 CLW/TM/STR/0266	0.25 Kg	COMMON TO 6FRA 6068

Approved by  
Dy.CEE/TMD

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13			<u>5720/207</u>	29721246 1317 C	PRIMER PAINT		4TMS 096.019 (latest version) CLW/TM/12210 (latest version)	1 Kg	DO	
			5890/053							
			5811/103							
			5821/208							
14	623		<u>5780/065</u>	29721003 1317 C	TOP COATING PAINT		4TMS 096.020 (latest version) CLW/TM/12210 (latest version)	1.6 Kg	DO	
			5820/207							
			5811/103							
			5821/208							
15			<u>5780/066</u>	29721015 1317 C	HARDENER FOR TOP COATING PAINT		CLW/TM/12210 (latest version)	0.14 Kg	DO	
			5820/208							
			5780/067							
			5820/209							
16			<u>5890/049</u>	29030031 0317D	SET OF ROLLER BEARING EACH SET CONSIST OF 01 NO. ROLLER BEARING NU 224 E/C4. 01 NO.ROLLER BEARING NJ 219 E/C4. & 01 NO THRUST COLLER HJ 219 E		4TMS 096.065 (latest version)	01 SET	UN-COMMON TC 6FRA 6068	
			5890/050							
			5890/044							
			5890/044							
17	0052	<u>5890/051</u>	80034809 1317A	29721258 1317 C	Lubricating Grease for Traction Motor Bearing(WAP-5)			0.75Kg	DO	
										5890/049
										5890/050
										5890/044
18	260				<b>GROUP- B ( IMPORTED + INDIGENEOUS)</b>					
										5716/052
										5816/041
										5760/600
19	193		29720722 2217 C	2994 0552 0117 A	POLYESTER GLASS SILK TAPE SIZE - 0.09 ± 0.01 mm X 20 mm		4TMS 096.086.Alt-1 CLW/TM/163 (Rev 0) or Latest	687 m	2307 Sec = 540 m 2308 Sec = 147 m COMMON TC 6FRA 6068	
										5860/100
										5860/100
										5860/100
20	0056		2994 0540 0117 A	292602201317A	Temperature Sensor Assy. (Complete) for 3 phase TM type 6 FXA 6068 & 6 FXA 7059 Completely assembled Temperature Sensor for 3 phase TM type 6 FXA 7059		4TMS 096.087 or latest: CLW/TM/17320 (Rev 0) or Latest 4TMS 096.085 Ref. - 2, Rev.1,Alt-1 S:TR No. CLW/TM/17320 Rev. 0 or Latest	01 set	Total qty. = 10 % of total requirement	
										5860/150
										5860/150
										5860/150
21	0055		292602201317A	2972 1120 2217 A	MOLYCOTE (R) G-N PLUS OF DOW CORNING OR HIGH TEMPERATURE EP GREASE MK-W82-HT FROM M K IMPEX CANADA MICA GLASS FABRIC TAPE Mi/GH-Gwb-18, SIZE - 0.12 X 15 mm (IN ROLL OF 30 m) ABB Ident No. HZN 451028 R/P No. P 0015		HZN-02354 (D I No) CLW/TM/0171 (Rev.1) or Latest	01 No.	Total qty = 90 % of total requirement of 6 FXA 7059	
										5712/322
										5812/202
										5813/205
22	876		2972 1120 2217 A	2972 1120 2217 A	THINNER FOR STATOR WASHING		4TMS 096.030 CLW/TM/0263(Rev 0) or Latest	10 Kg	2101 Sec = 5 Kg 2308 Sec = 5 Kg	
										5821/209
										5816/034
										5816/027
23	171		2972 1120 2217 A	2972 1120 2217 A	THINNER FOR STATOR WASHING		4TMS 096.030 CLW/TM/0263(Rev 0) or Latest	10 Kg	2101 Sec = 5 Kg 2308 Sec = 5 Kg	
										5816/034
										5816/027
										5816/027
24	263		2972 1120 2217 A	2972 1120 2217 A	THINNER FOR STATOR WASHING		4TMS 096.030 CLW/TM/0263(Rev 0) or Latest	10 Kg	2101 Sec = 5 Kg 2308 Sec = 5 Kg	
										5816/034
										5816/027
										5816/027

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25			5712/324 5812/204 304 & 404	29721131 2217 A	AUTO ADHESIVE TAPE (KAPTON), Selbst KI - F 11, SIZE - 0.07 X 9.5 mm (IN ROLL OF 33 m) ABB IDENT NO. GMM 590755 R/P No. : P 1090		HZN - 02435 (D I No.) CLW/TM/173 (Rev.1) or Latest	90 m	SI No 24,25 & 25 to be dealt together COMMON TO 6 FRA 6068
26	173		5712/325 5812/205, 305 & 405	29721143 2217 A	AUTO ADHESIVE TAPE (KAPTON), Selbst KI - F 11, SIZE - 0.07 X 19.1 mm (IN ROLL OF 33 m) ABB IDENT NO. GMM 590755 R/P No. : P 1090			280 m	2307 Sec. = 65 m 2308 Sec. = 215 m COMMON TO 6 FRA 6068
27			5712/326 5812/206 356 & 376 306 & 406	29721155 2217 A	AUTO ADHESIVE TAPE (KAPTON), Selbst KI - F 11, SIZE - 0.076 X 50 mm (IN ROLL OF 33 m) ABB IDENT NO. GMM 590755 R/P No. : P 1500			90 m	COMMON TO 6 FRA 6068
28	862		5716/015 5816/012 & 013	29721118 2217 A	POLYAMIDE (NOMEX) PA VLIES 1, Size - 2.5 X 1000 mm (IN CONTINUOUS ROLL OF 10 m) ABB IDENT NO. HZN 451139 R/P No. : P 1000		4TMS 096 028 ALT-1 or Latest CLW/TM/015 (Rev.1) or Latest	2.75 m of width 1000 mm	DO
29			5716/005 5816/008	29721052 2217 A	GLASS FIBRE CORD - 1 Ø 7 ABB IDENT NO. GMM 592010 R/P No. : P 0107			25.25 m	DO
30	867		5716/006 5816/007	29721260 2217 A	GLASS FIBRE CORD - 1 Ø 11 ABB IDENT NO. GMM 592010 R/P No. : P 0111		ZN 02035 (D I No.) EL/TM/2066, Rev-1	5 m	DO
31			5816/006	29721271 22 17 C	GLASS FIBRE CORD - 1 Ø 16 ABB IDENT NO. GMM 592010 R/P No. : P 0116			5 m	UN-COMMON TO 6 FRA 6068
32	172		5716/051 5816/037	29720710 2217 C	FLAT HOSE: GI Gefl - 7, Size - 1.6 X 17 mm ABB IDENT NO. HZN - 451141		HIME - 650108 (D I No.) EL/TM/2066, Rev-1	125 m	COMMON TO 6 FRA 6068
33	172		5716/024 5816/010	29721088 2217 C	HOSE GI Gefl - 3 (FLAT HOSE) SIZE - 4 X 22 mm ABB IDENT NO. NBT 401106 R/P No. : P 0018		HZN - 02350 (D I No.) EL/TM/2066, Rev-1	1.8 m	DO
34	422	5811/205		2994 5318 0317 B	<b>SET OF STATOR &amp; ROTOR STAMPINGS</b> <b>EACH SET CONSISTING</b> <b>OF FOLLOWING FIVE (05) ITEMS</b>		STR NO. CLW/TM/0421/STATOR & ROTOR STAMPINGS/ALT-2 or Latest	01 SET	
					i) STATOR MAIN STAMPINGS	1TWD 097 001, Alt.3, Ref. 1 or Latest	4TMS.096.053 Rev-2, Alt - 10 or Latest		
					ii) SOLID STATOR END PLATE	SKEL-4887 (latest version)			
					iii) ROTOR MAIN STAMPINGS	2TWD 097 002 Alt.4, Ref. 1 or Latest	4TMS.096.053 Rev-2, Alt - 10 or Latest		
					iv) ROTOR MID STAMPINGS	2TWD 097 002, Alt.4, Ref. 3 or Latest	4TMS 096 053 Rev-2, Alt - 10 or Latest		
					v) SOLID ROTOR END PLATE	SKEL-4888 (latest version)			

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35	893		5821/205	2994 5203 0117 B	ROTOR END RING (CNC MACHD.) for 6FXA 7059	2TWD 097 013 Alt.-3. Ref.-1	4TMS.096 068 Rev.-1, ALT.-6 or Latest STR No: CLW/TM/18109 Rev. 0 or Latest	02 Nos.	UN-COMMON TO 6FRA 6068
36	182		5816/009	29945252 0117 C	STATOR SLOT WEDGE	4TWD 097 017 (latest version)	ZN 02148 CLW/TM/STR/12060 or Latest	150 Nos.	DO
37	198		5715/600 5815/100		TERMINAL BOARD ASSLY. (COMPLETE)	2TWD 096 019 (latest version)	4TMS.096 025 or Latest STR.CLW/TM/STR/0198	01 No.	COMMON TO 6FRA 6068
38	170		5721/321 5812/201 301. 401	2994 0370 1317F	WINDING WIRE FLAT Fl Cu Fo 13 CR Size:- BARE (4.00 X 2.00) mm &		STR-CLW/TM/STR/9160 HIFE - 650030 Alt. 5 or Latest	160 Kg.	DO
39	372	5890/057		2994 5422 0317B	SET OF STATOR CHAMBER AND ASSOCIATED COMPONENTS EACH SET CONSISTING 14 NOS. FOLLOWING ITEMS:-	As per Annexure B		01 Set	
			5811/202		(i) STATOR CHAMBER/DE (CNC MACHD.) RDSO STR NO.-21. Rev-1 or latest	1TWD 097 010. Alt.-3. Ref.-1 or Latest	4TMS 096 059 Alt - 5 or Latest		
			5890/001		(ii) BEARING COVER (DE) (CNC MACHD.) RDSO STR NO -21. Rev-1 or latest	3TWD 097 036. Alt.- 2 or Latest	4TMS.096 068 Rev-1 Alt. - 6 or Latest		
			5820/102		(iii) INNER LABYRINTH/DE (CNC MACHD.) RDSO STR NO.-21. Rev-1 or latest	4TWD 097 035 Alt.-2 or Latest	DO		
			5890/002		(iv) INNER LABYRINTH/DE (CNC MACHD.) RDSO STR NO -21. Rev-1 or latest	4TWD 097 037 Alt.-2 or Latest	DO		
			5830/101		(v) END FRAME /DE ASSLY. (CNC MACHD.) WITH AIR OUTLET NET & RDSO STR NO. 21. Rev-1 or latest	1TWD 097 011 Alt.-4. Ref-1 or Latest & 3TWD.097 008 Alt.- 1 or Latest	4TMS.096.068 Rev. 1. Alt.-6 or Latest		
			5811/201		(vi) STATOR CHAMBER/INDE (CNC MACHD.) RDSO STR NO.-21. Rev-1 or latest	1TWD 097 009. Alt-2. Ref: 1 or Latest	4TMS 096.059 Alt- 5 or Latest		
			5890/005		(vii) BEARING CAP/INDE (CNC MACHD.) RDSO STR NO.-21. Rev-1 or latest	3TWD 097 039 Alt.-3 or Latest	4TMS.096.068. Rev.-1. Alt.- 6 or Latest		
			5890/007		(viii) CLAMP PLATE/INDE (CNC MACHD.) RDSO STR NO.-21. Rev-1 or latest	2TWD 097 040 Alt. 2 or Latest	DO		
			5820/101		(ix) INNER LABYRINTH/INDE (CNC MACHD.) RDSO STR NO.-21. Rev-1	4TWD.097 034 Alt -2 or Latest	DO		
			5890/004		(x) INNER LABYRINTH/INDE (CNC MACHD.) RDSO STR NO.-21. Rev-1 or latest	4TWD 097 038 Alt -2 or Latest	DO		
			5840/101		(xi) END FRAME /INDE ASSLY (CNC MACHD.) with covering & RDSO STR NO. 21. Rev-1 or latest	0TWD 097 012 Alt. 5. Ref.-1 or Latest 4 TWD 097 042 (latest version)	DO		

UNCOMMON TO 6FRA 6068

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SN	TENDER CASE No.	KIT C&D. NO.	C&D.NO	M.C. NO.	DESCRIPTION	DRAWING NO.	SPECIFICATION NO./STR No.	QTY./ TM	REMARKS
			5870/101		(xii) SPEED PROBE HOUSING (CNC MACHD.) & RDSO STR NO. 21. Rev-1 or latest	1TWD 096.077. Alt-4 or Latest	DO		
			5811/300		(xiii) MACHINED TERMINAL BOX ASSLY.	3TWD 096 059 Alt 3 or Latest	4TMS 096.055 Alt. 5 or Latest STR No. CLW/TM/18310 or Latest		
			5880/100		(xiv) TERMINAL BOX COVER ASSLY	4TWD 096.027. Alt 2 or Latest	IS 1019282 or Latest STR No. CLW/TM/17030 Rev 0 or Latest		
40	565		7698 2129 1317 F		COPPER WELDING WIRE FOR MIG WELDING Size- $\phi$ 1.6 mm ON ROLLS (STANDARD ROLLS)		AS PER DIN-1733 MATERIAL NO. 2.1006 STR No. CLW/TM/950 Rev 0 or Latest	5 Kg	UN-COMMON TO 6FRA 6068
41	183		2994 5057 0117 S		ROTOR BAR (MACHINED)	4TWD 097 022 Alt -3 or Latest	4TMS 096.060 Alt-8 STR No. CLW/TM/9039 Rev 0 or Latest	88 Nos.	DO
42	184		2994 5112 0117 F		SHRINK RING (MACHINED)	4TWD 097 023 Alt -1 or Latest	4TMS 096.063 Alt-2 STR No. CLW/TM/17140 Rev 0	02 No.	DO
43	185		2994 5124 0117 F		RESISTANCE RING (MACHINED)	4TWD 097 024 Alt -3 or Latest	4TMS 096.064 Alt -5 or Latest STR No. CLW/TM/9069 Rev 0 or Latest	02 No.	DO
44	902		2994 5367 0317 B		CONNECTION COMPLETE WITH CLAMPING PLATE (WITHOUT INSULATION)	1TWD 097 007 Alt -3 or Latest	4TMS 096.062 Alt -4 or Latest STR No. CLW/TM/10060 Rev. 0 or Latest	01 SET	DO
45	399		2994 5069 0117 S		ROTOR SHAFT (ROUGH MACHINED)	3TWD 097 005 Alt -3 or Latest	4TMS 096.051 Rev-1 Alt-4 or latest STR No. CLW/TM/10100/(Armature shaft /Rotor shaft)(Rough Machined)	01 No.	Do Manufacturing Spares are taken @2.5% Write Note No: TM/IM-20/05 Dtd:22.12.16
46	377		2994 5331 0117 F		NEUTRAL CONDUCTOR RING ASSLY. (WITHOUT INSULATION)	4TWD 097 006. Alt -1 Ref-1 or Latest	4TMS 096.062 Alt-4 or Latest STR No. CLW/TM/ 10060 or Latest	01 Nos.	UN-COMMON TO 6FRA 6068
47	0058		2994 5008 0317 P		3-PHASE ASYNCHRONOUS TRACTION MOTOR TYPE 6FXA 7059	0TWD 097 057 or latest	4TMS 097 001 Alt - 5 STR No. CLW/2008/3 PH TM/STR 0001 Alt-2 or Latest	01 No.	
49					GROUP-D (SHORT DELIVERY INDIGENEOUS)				
50	904		2967 0020 0117 L		NAME PLATE FOR RATING	4TWD 097 043. Alt 2 or Latest	CLW/TM/17290 (latest version)	01 No.	UN-COMMON TO 6FRA 6068
51	879		2967 0111 0117 L		NAME PLATE	4TWD 096.090. Alt 2 or Latest	CLW/TM/17290 (latest version)	02 Nos.	COMMON TO 6FRA 6068

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52	938		5811/203	2994 5215 0117 B	TENSION BAR	4TWD 097 026 Alt- 3, Ref-1 or Latest	4TMS 096.055 Alt- 5 or Latest STR No. CLW/TM/ 939 Rev. 1 or Latest	06 Nos.	UN-COMMON TO 6FRA 6068
53	939		5811/204	2994 5227 0117 B	TENSION BAR	4TWD 097 026 Alt- 3, Ref- 2 or Latest	4TMS 096.055 Alt- 5 or Latest STR No. CLW/TM/ 939 Rev. 1 or Latest	02 Nos.	DO
54	935		5811/209	2994 5239 0117 B	STATOR RIB	4TWD 097 030, Ref- 1 (latest version)	4TMS 096.055 Alt-5 or latest STR No. CLW/TM/935 or latest.	01 No	DO
55	936		5811/210	2994 5240 0117 B	STATOR RIB	4TWD 097 030, Ref- 2 or Latest	4TMS 096.055,Alt-5 or latest STR No. CLW/TM/935 or latest.	01 No.	DO
56	937		5821/202	2994 5070 0117 S	KEY	4TWD 097 031 (latest version)	DO STR No. CLW/TM/18310 or Latest	01 No	DO
57	891		5721/324 5821/206	2994 2100 0117 S	HALF RING	4TWD 096 049, Alt 2 or Latest	DO STR No. CLW/TM/18190 Rev 0 or Latest	02 Nos	COMMON TO 6FRA 6068
58	868		5720/210 5820/211	2994 5598 0317 D	BALANCE WEIGHT KIT (Scheme- 1 rotor for 3-PHASE TM type 6FRA 6068 & rotor for 6FXA 7059 )	4TWD 096 044 Alt-7 or Latest 4TWD 096 101 Alt 3 or Latest	4TMS 096.084 or Latest CLW/TM/18219 OR LATEST	01 Set	COMMON TO 6FRA 6068 with SCH-1 rotor
59	387		5711/308 5811/206	2994 0527 0117 B	FLANGE	4TWD 096 067, Alt 5 or Latest	STR No. CLW/TM/17501 Rev. 0 or latest, 4TMS 096.055, Alt-5 or Latest	01 No.	COMMON TO 6FRA 6068
60	375		5811/208	2994 5082 0117 S	WELDING PLATE	4TWD 097 029 Alt- 2 or Latest	CLW/TM/17050 (latest version)	01 No.	UN-COMMON TO 6FRA 6068
61	385		5711/309 5811/207	2994 2147 0117 S	EARTHING STUD	4TWD 096 066, Alt 1 or Latest	CLW/TM/17040 (latest version)	01 No.	COMMON TO 6FRA 6068
62	913		5780/016 5890/014	2994 0308 0117 D	HOSE CLAMP	4TWD 096 070, Alt. 1 or Latest	STR No. CLW/TM/17280 Rev. 0 or Latest	01 No.	COMMON TO 6FRA 6068
63	922		5713/434 5813/204 305. 405 & 5816/004	2594 8556 1317 F	SILVER BRAZING ALLOY ROD Ø 2 X 500 ± 6 mm LONG		TO IS 2927-75, Gr. BA-Cu-Ag16A STR No. CLW/TM/951 Rev. 0 or Latest	0.4 Kg. (Shop 23 = 0.4 Kg)	COMMON TO 6FRA 6068
64	992		5713/437 5813/207 308. 408 & 5816/029	2560 8095 1317 F	BRAZING FLUX SUITABLE FOR SILVER BRAZING ALLOY ROD & SILVER BRAZING ALLOY FOIL		4TMS 096 096,Alt-0 STR No. CLW/TM/961 Rev. 0 or Latest	0.08 Kg. (Shop 21 = nil Shop 23 = 0.08 Kg)	COMMON TO 6FRA 6068
65	873		5780/013 5690/008	2994 0278 0117 D	THRUST CARRYING PIECE	3TWD 096 037, Alt 2 or Latest	4TMS 096.055 Alt 5 or latest STR No. CLW/TM/18310 (latest version)	01 No.	COMMON TO 6FRA 6068

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SSE/EE/DRG(E)/(M)

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SN	TENDER CASE No.	KIT C&D. NO.	C&D.NO	M.C. NO.	DESCRIPTION	DRAWING NO.	SPECIFICATION NO./STR No.	QTY./ TM	REMARKS
66	914		5890/071	2937 5071 0117D	RUBBER BUSH for 6 FXA 7059	4TWD.097.075 (latest version)	STR No. CLW/TM/14350 Rev 0 or Latest	03 Nos.	UN-COMMON TO 6FRA 6068
67	917		5890/006	2994 5380 0117D	SEALING RING Ref - 3	4TWD.096.030/3 Alt -3 or Latest	4TMS.096.086 (latest version) STR No. CLW/TM/14350 Rev 0 or Latest	01 No.	DO
68			5780/007 5890/003	2925 0584 0117D	SEALING RING Ref - 2	4TWD.096.030/2 Alt -3 or Latest	Do	1.4 No.	COMMON TO 6FRA 6068
69			5780/015 5890/013	2994 5446 0317 D	CORRUGATED HOSE COFLEX	3TWD.096.072 Alt -4 or Latest		01 No	DO
70			5780/053 5890/043		CABLE BINDER	4TWD.096.079 Alt -3 or Latest	4TMS.096.067 Alt-1 (latest version)	05 Nos.	DO
71			5780/054 5890/054	2560 8770 0317C	ANAEROBIC ADHESIVE (3B 1103) or Similar		4TMS.095.018 (latest version) CLW/TM/22600 (Rev 0), Alt-1	0.11 litre	Do
72	398		5880/200	29945100 0317D	CLAMP ASSLY. (WITHOUT WELDING PLATE)	2TWD.097.018 Alt -1 or Latest	CLW/TM/17220 (latest version)	01 set.	UN-COMMON TO 6FRA 6068
73	230		5780/074 5890/056		LIQUID GASKET (THREE BOND 1105 or M/s THREE BOND Co. LTD./JAPAN or SIMILAR)		4TMS.095.017 (latest version)	0.1 Kg	COMMON TO 6FRA 6068
74	186		5716/041 5816/044	29720734 2217 C	ADHESIVE GLASS CLOTH TAPE Size:- 0.14 x 19 mm WIDE (IN CONTINUOUS ROLL OF 30 m)		4TMS.096.026 CLW/TM/12079/STR /AGCT(Rev 0) or Latest	15 m	DO
75	186		5716/042 5816/042	29720746 2217 C	ADHESIVE GLASS CLOTH TAPE Size:- 0.14 x 50 mm WIDE (IN CONTINUOUS ROLL OF 30 m)			10 m	DO
76	187		5716/044 5816/043	29720576 0117 C	POLYESTER FILM (Y-P) 2 MIL. THK. SIZE:- 100 * 2 * 6 mm X 500 * 3 * 6 mm		A 0207 Alt.-3 or Latest CLW/TM/187 Rev.0	150 Nos	DO
77	095		5716/043 5816/045	29720758 2217 C	HIGH TEMPERATURE NON ASBESTOS FABRIC MAT. SIZE:- 0.762 X 914 mm Wide		4TMS.096.027 Rev - 1 or Latest CLW/TM/STR/095	0.35 m	DO
78	221		5716/056 5816/044	25722682 5117 A	METHYL ALCOHOL OR INDUSTRIAL SOLVENT IS SIMILAR TO METHYL ALCOHOL		TO IS. 51786 or Latest Gr. METHANOL PURE/TECH	0.95 litre	DO To be supplied in Maximum 20-25 Kg capacity Container.
79	893		5716/062 5816/051	819807605117A	TOLUOLE (Industrial Grade)		IS 536:1968 or Latest CLW/TM/12110 (latest)	0.16 Kg.	Common to 6 FXA 7059 To be supplied in Maximum 20-25 Kg capacity Container.

Prepared by  
SSE/JED/DRG(E)/1047

Checked by  
SSE/DRG. (M)/(E)

*[Handwritten signature]*

Approved by  
Dy.CEE/TMD



**MATERIAL DEMAND SCHEDULE OF 3-PHASE TRACTION MOTOR TYPE 6 FXA 7059 FOR THE YEAR 2023-24**

SN	TENDER CASE No.	KIT C&D. NO.	C&D.NO	M.C. NO.	DESCRIPTION <b>(GROUP-E HARDWARE ITEMS)</b>	DRAWING NO.	SPECIFICATION NO./STR No.	QTY./TM	REMARKS
80	101	<u>5890/057</u>		2994 5446 0317 L	"CYLINDRICAL PIN KIT"		4 TMS.096.072. Alt.-1 or Latest	01 SET	SHOP 21 = 5890/057 Un-common to 6FRA-6068
81	102	<u>5890/067</u>	5890/058 5816/047	2994 5483 0317 L	"MACHINED WASHER KIT"		4 TMS.096.073. Alt.-1 or Latest	01 SET	SHOP 21 = 5890/058 SHOP 23 = 5816/047 Un-common to 6FRA-6068
82	110	<u>5890/068</u>	5890/060 5816/048	2994 5501 0317 L	"SPRING WASHER KIT"		4 TMS.096.074. Alt.-1. or Latest CLW/TM/11020(Rev-0) or Latest	01 SET	SHOP 21 = 5890/060 SHOP 23 = 5816/048 Un-common to 6FRA-6068
83	108	<u>5890/069</u>	5890/062 5816/049	2994 5513 0317 L	"STANDARD HARDWARE KIT"		4 TMS.096.075. Rev 0 alt-1 STR No: CLW/TM/0854 Rev. 1 or Latest	01 SET	SHOP 21 = 5890/062 SHOP 23 = 5816/049 Un-common to 6FRA-6068
84	107	<u>5890/070</u>	5890/064 5890/018	2994 5525 0317 L	"THREAD INSERT KIT"		4 TMS.096.076. Alt.-1 or Latest STR No: CLW/TM/0857 Rev. 0 or Latest	01 SET	SHOP 21 = 5890/064 SHOP 23 = 5816/018 Un-common to 6FRA-6068
85	105	<u>5890/066</u>		2994 5537 0317 L	"NON-STANDARD HARDWARE KIT"		4 TMS.096.077. Alt.-3 or Latest	01 SET	SHOP 21 = 5890/066 Un-common to 6FRA-6068
86	851		5860/124	2994 5434 0317 A	KITS FOR TEMPERATURE SENSOR ASSEMBLY FOR TM TYPE 6FXA 7059	4 TWD 096.163 ALT-4 or Latest REF:2	CLW/TM/17320/Kits	01 NO	10% of total requirement of 6FXA 7059 TM.

999. 17.01.22  
Prepared by  
SSE/PE/DRG(E)/(M)

Checked by  
SSE/DRG. (M)/(E)

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Approved by  
Dy CEE/TMD.