

CATEGORY BOOK 2026-27
FOR 3-PHASE TRACTION MOTOR
TYPE 6FRA-6068

NOTE:

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

MATERIAL DEMAND SCHEDULE OF 3-PHASE TRACTION MOTOR TYPE 6 FRA 6068 FOR THE YEAR 2026-27 AND ONWARDS

1 OF 12

SN	TENDER CASE No.	KIT C&D. NO.	C&D.NO	M.C. NO.	DESCRIPTION	DRAWING.NO.	SPECIFICATION. NO./ STR No	QTY./ TM	REMARKS
					GROUP- A (FULLY IMPORTED)				
1	176		<u>5712/327</u> <u>357,377 &</u> <u>5716/003</u>	29721106 2217 A	POLYIMIDE FOIL (KAPTON), P1 FO 1 Size:- 0.125 x 510 mm (IN CONTINUOUS ROLL OF 50 m)		4TMS 096.092,Rev.1 / STR No: CLW/TM/176 (Rev.1) or Latest	10 m of width 510 mm	
2			<u>5716/060</u>	29720904 0117 A	POLYAMIDE (NOMEX Type- 410) STRIP SIZE:- 0.25 mm Thk. X 9 +0.02-0.4 mm width x 507 ± 0.2 mm long.	4TWD.096.169 Ref.- 3, Alt-2 or Latest	4TMS 096.091 Rev.1,Alt-1 STR NO-CLW/TM/STR/0861(Rev-1)	152 pcs	
3	861		<u>5712/331</u>	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-2 or Latest	4TMS 096.091 Rev.1,Alt-1 STR NO-CLW/TM/STR/0861(Rev-1)	1134 pcs	
4			<u>5716/023</u>	2972 5100 2217 A	POLYAMIDE PAPER (NOMEX),PAP 1 SIZE:- 0.38 X 914 MM (IN CONTINUOUS ROLL OF 10 m)		4TMS 096.091 Rev.1,Alt-1 STR NO-CLW/TM/176(Rev-1)or latest	0.075 m of width 914 mm	
5	869		<u>5716/054</u>	29721283 01 17 A	POLYAMIDE (NOMEX Type- 410) STRIP (U' Shaped insulation) SIZE:- 5 mil Thk. X 25 ± 1 mm width x 140 ± 1 mm long.	4TWD.096.172,Alt-1 (latest version)	4TMS 096.091 Rev.1,Alt-1 STR NO-CLW/TM/STR/0861(Rev-1)	152 nos.	
6	169		<u>5716/053</u> <u>5712/331</u> <u>5712/361</u> <u>5712/381</u>	2972 1064 2217 A	NON ADHESIVE POLYIMIDE FILM TAPE 2 MIL. THK. X 20 mm WIDE (IN CONTINUOUS ROLL OF 50 m)		4TMS.096.029 Rev.1 or Latest STR No: CLW/TM/169 (Rev.1) or Latest	390 m	
7	251		<u>5716/010</u>	29721039 1317C	SILICON IMPREGNATING RESIN SILRES H 62 C or EQUIVALENT	----	4TMS 096.093 Alt-1 or Latest CLW/TM/12100 Rev.1(Latest)	14.3 Kg	common to FXA TM
8	252		<u>5716/012</u>	29721192 1317 C	AUXILIARY MATERIAL - 38 or Equivalent	----	4TMS 096.093 Alt-1 or Latest CLW/TM/12100 Rev.1(Latest)	0.26 Kg	common to FXA TM
9			<u>5716/019</u>	29721209 1317 C	BASIC RESIN SI - 32 or Equivalent	----	4TMS 096.094 Alt-1 or Latest CLW/TM/12110 Rev.1 (Latest)	0.37 Kg	common to FXA TM
10	257		<u>5716/020</u>	29721210 1317 C	ACCELERATOR 27 or Equivalent	----	4TMS.096.016 Rev.1 (Latest) 4TMS 096.094 Alt-1(Latest) CLW/TM/12110 Rev.1(Latest)	0.004 Kg	common to FXA TM

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Prepared by JE/DRG(E)

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Approved by Dy. J.E. TMD.

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11	265	5716/063	5716/045,046	29721623	KIT OF SILICON RUBBER COMPONENTS ELASTOSIL RT 622 A & 622 B OF WACKER METROARK CHEMICAL OR EQUIVALENT. Firm must mention the mixing ratio of RT 622A & RT 622B during tender, testing & supply of materials.	----	CLW/TM/0265 Rev.1 or latest	05 Kg	NOTE: Break up for 1 m/s i) <u>Dow Silicone Make</u> SILASTIC RTV-4250-S=4.545 Kg & Curing Agent=0.455 Kg. ii) <u>Altropole Make</u> Neukasil RTV230= 2.5 Kg.& Neukasil crosslinker A 149=2.5 Kg. iii) <u>3A Associates Make</u> 522A=4.545 Kg & 522B =0.455 Kg iv) <u>REMKO WIRE make</u> RW422-A=2.5kg & RW 422-B=2.5kg V) <u>Plastofib make</u> P22A= 2.5 kg & P22B = 2.5 kg
12	266		5716/047	29720655 13 17 C	PRIMER G 790 OF WACKER MATROARK CHEMICALS OR EQUIVALENT	----	4 TMS 096.095 Alt-1 or Latest CLW/TM/0266 Rev.1 or latest	0.25 Kg.	i) <u>Dow Silicone Make:-</u> P R- 1200 RTV prime Coat is suitable. ii) <u>Altropole Make:-</u> Primer Z3042 is suitable. <u>Shop2308 = 0.25 Kg.</u> iii) <u>3A Associates Make:-</u> 3A G690
13	623		5720/207 5721/328, 5730/304 5740/405	29721246 1317 C	PRIMER PAINT	----	4TMS.096.019 Rev.1 or Latest CLW/TM/12210 Rev.1 or Latest	1 Kg.	common to FXA Stator-0.5Kg, Rotor-0.5Kg.
14			5780/065	29721003 1317 C	TOP COATING PAINT	----	4TMS.096.020 Rev.1 or Latest CLW/TM/12210 Rev.1 or Latest	1.6 Kg.	common to FXA Stator-0.8Kg, Rotor-0.8Kg.
15			5780/066	29721015 1317 C	HARDENER FOR TOP COATING PAINT	----	CLW/TM/12210 Rev.1 or Latest	0.14 Kg	Stator-0.07Kg, Rotor-0.07Kg.
16			5780/067	29721258 1317 C	THINNER FOR TOP COATING PAINT	----	CLW/TM/12210 Rev.1 or Latest	0.75 Kg	Stator-0.45Kg, Rotor-0.3Kg.
17	0051	5780/073	5780/049, 5780/050	29030020 0317 D	SET OF ROLLER BEARING EACH SET CONSIST OF 01 NO. ROLLER BEARING NU 2236 E/C4, 01 NO.ROLLER BEARING NJ 320 E/C4, & 01 NO. THRUST COLLER HJ 320 E		4TMS.096.065,Rev-1,Alt-1 or Latest RDSO FRA No.- RDSO/EL/FRS/BEARING/0012-2015 Rev.0	01 SET	Reference file no. CLW/TM/12170 Dtd.25.05.2023

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18	261		<u>5780/052</u>	80035449 1317 A	LUBRICATING GREASE FOR TRACTION MOTOR BEARING (WAP 7 & WAG 9)			1.8 Kg (1.5 Kg = 6FRA 6068 & 0.3 Kg = Suspension Tube)	
19	193		<u>5716/052</u> <u>5712/329</u> <u>359,379</u> <u>5713/029,054</u> <u>079, 504</u> <u>5714/505</u>	29720722 2217 C	POLYESTER GLASS SILK TAPE SIZE - 0.09 ± 0.01 mm X 20 mm		4TMS 096.088 ,Rev.1 CLW/TM/193 (Rev.1) or Latest	687 m	2307 Sec. = 540 m 2308 Sec. = 147 m
20	171		<u>5712/322</u> <u>352, 372 &</u> <u>5713/028 053,</u> <u>078, 507</u> <u>& 5714/502,</u> <u>5716/013</u>	2972 1120 2217 C	MICA GLASS FABRIC TAPE Mi/GI-Gwb 18 Size:0.12x15mm(in a roll of 30m)		4TMS.096.098 STR No: CLW/TM/0171 (Rev.2) or Latest	2840 m	To be procure 1900- 300 = 1600 m/s for this financial year.
21	993		<u>5712/332</u>	4108 0026 2217C	MICA GLASS FABRIC TAPE Mi/GI-Gwb 18 Size:0.12x15mm(in a roll of 18m)with modified bobbin		4TMS 096.105 STR No:CLW/TM/0171 (Rev.2) or Latest	2600m	To be procure 300 m/s (7,80,000 m) per financial year. (Suitable for automatic robo tapping machine)
22	263		<u>5716/034</u>	29721090 1317 C	THINNER FOR STATOR WASHING		4TMS.096.030 Rev.1 or Latest CLW/TM/0263 Rev 1 or Latest	10 Kg	2101 Sec.= 5 Kg 2308 Sec.= 5 Kg
23	173		<u>5712/324</u> <u>354 & 374</u>	29721131 2217 A	AUTO ADHESIVE TAPE (KAPTON), SIZE - 0.07 X 9.5 mm (IN ROLL OF 33 m)		4TMS.096.097 Alt 1 STR No: CLW/TM/173 (Rev.2) or Latest	90 m	Sl.No.23,24 & 25 to be dealt together
24			<u>5712/325</u> <u>355, 375 &</u> <u>5713/502, 027,</u> <u>052, 077 &</u> <u>5714/504</u>	29721143 2217 A	AUTO ADHESIVE TAPE (KAPTON), SIZE - 0.07 X 19.1 mm (IN ROLL OF 33 m)			280 m	2307 Sec. = 65 m 2308 Sec. = 215 m
25			<u>5712/326</u> <u>356 & 376</u>	29721155 2217 A	AUTO ADHESIVE TAPE (KAPTON), SIZE - 0.076 X 50 mm (IN ROLL OF 33 m)			90 m	
26	862		<u>5716/015</u> <u>022</u> <u>5712/330,</u> <u>360,380</u>	29721118 2217 A	POLYAMIDE PA VLIES-I(Nomex), Size :- 2.5 X 1000 mm (IN CONTINUOUS ROLL OF 10 m)		4TMS.096.028 Rev.1 or Latest STR No:CLW/TM/015 (Rev.2) or Latest	2.75 m of width 1000 mm	

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27	867		<u>5716/005</u>	29721052 2217 C	GLASS FIBRE CORD - 1 Ø 7		4TMS.096.100 STR No: EL/TM/2066,Rev-2	25.25 m	
28			<u>5716/006</u>	29721260 2217 C	GLASS FIBRE CORD - 1 Ø 11			5 m	
29	172		<u>5716/051</u>	29720710 2217 C	FLAT HOSE, GI Gefl - 7 Size:- 1.6 X 17 mm		4TMS.096.102 STR No: EL/TM/2066,Rev-2	125 m	
30			<u>5716/024</u>	29721088 2217 C	HOSE GI Gefl - 3 (FLAT HOSE) SIZE:- 4 X 22 mm		4TMS.096.101 STR No: EL/TM/2066 ,Rev-2	1.8 m	
31	56		<u>5760/600</u>	299405520117 A	TEMPERATURE SENSOR ASSLY (COMPLETE) for 3 PHASE TM type 6 FRA 6068 & 6 FXA 7059		4TMS.096.087 Rev.-1 or Latest STR No:CLW/TM/17320 Rev-1 or Latest	01 set	NIL
32	57		<u>5760/650</u>	299406180117 A	COMPLETELY ASSEMBLED TEMPERATURE SENSOR for 3 PHASE TM type 6 FRA 6068		4TMS.096.085 Rev-2 or latest STR No:CLW/TM/17320 Rev.-1 or Latest	01 No.	TOTAL QTY.= 100% OF TOTAL requirement of 6FRA 6068 (Un Common to 6FXA 7059)
33	876		<u>5721/333</u>	292602201317 A	MOLYCOTE (R) G-N PLUS OF DOW CORNING OR HIGH TEMPERATURE EP GREASE MK-WS2-HT FROM M K IMPEX CANADA			0.025 Kg	
					GROUP- C (LONG DELIVERY INDIGENEOUS)				
34	421	<u>5711/301</u>		2994 0450 0317 B	<u>SET OF STATOR & ROTOR STAMPINGS</u> <u>EACH SET CONSISTING</u> <u>OF FOLLOWING FIVE (05) ITEMS</u>		STR No. CLW/2011/0421/STATOR & ROTOR STAMPINGS, Rev-1 or Latest	01 SET	
					i) STATOR MAIN STAMPINGS	1TWD.096.015, Alt-7, Ref-1 or Latest	4TMS.096.053, Rev-2, Alt-11 or Latest		
					ii) SOLID STATOR END PLATE	SKEL-4889, Alt-0 (latest version)			
					iii) ROTOR MAIN STAMPINGS	1TWD.096.010, Alt-10, Ref-1 or Latest	4TMS.096.053, Rev-2, Alt-11 or Latest		
					iv) ROTOR MID STAMPINGS	1TWD.096.010, Alt-10, Ref-2 or Latest	4TMS.096.053, Rev-2, Alt-11 or Latest		
					v) SOLID ROTOR END PLATE	SKEL-4890, Alt-0 (Latest Version)			

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35	869	<u>5721/360</u>		299413740317 T	SET OF ROTOR STAMPINGS EACH SET CONSISTING OF FOLLOWING THREE (03) ITEMS		STR No. CLW/2011/0421/STATOR & ROTOR STAMPINGS, Rev-1 or Latest	01 SET	
			5721/325		i) ROTOR MAIN STAMPINGS	1TWD.096.010, Alt-10, Ref-1 or Latest	4TMS.096.053, Rev-2, Alt-11 or Latest		
			5721/326		ii) ROTOR MID STAMPINGS	1TWD.096.010, Alt-10, Ref-2 or Latest	4TMS.096.053, Rev-2, Alt-11 or Latest		
			5721/351		iii) SOLID ROTOR END PLATE	SKEL-4890, Alt-0 (Latest Version)			
36	179		<u>5716/004</u>	2994 2019 0117 C	STATOR SLOT WEDGE	4TWD.096.050 Alt.-3 or Latest	4TMS.096.103/ STR No: CLW/TM/STR/12060 Rev.1 or Latest	150 Nos.	
37	198		<u>5715/600</u>	29942123 0117 S	TERMINAL BOARD ASSLY. (COMPLETE)	2TWD.096.019,Alt-1 (latest version)	4TMS.096.025 Rev.1 or Latest STR No: CLW/TM/STR/0198 Rev.1or Latest	01 No.	
38		<u>5711/330</u>			SET OF STATOR STAMPINGS		STR No. CLW/2011/0421/STATOR & ROTOR STAMPINGS, Rev-1 or Latest	01 SET	
			5711/301		i) STATOR MAIN STAMPINGS	1TWD.096.015, Alt-7, Ref-1 or Latest	4TMS.096.053, Rev-2, Alt-11 or Latest		
			5711/341		iii) SOLID STATOR END PLATE	SKEL-4889, Alt-0 (latest version)			
39	170		<u>5712/321</u>	29940370 1317 F	WINDING WIRE FLAT FI Cu Fo 13 CR Size:- BARE (4.00 X 2.00) mm & INSULATED (4.23 X 2.23) mm		4TMS 096.099 Alt-2 CLW/TM/STR/9160,Rev.1	160 Kg.	Common to 6 FXA 7059
40	884		<u>5711/220</u>	2994 0990 0317 T	MACHINED STATOR ASSLY.	1TWD.096.102, Alt.-14 or Latest	4TMS.096.070, Rev.-2,Alt-1 STR No: CLW/TM/18600 Rev. 2 or Latest	01 Set.	
41	394		<u>5721/327</u>	2994 2135 0117 S	ROTOR SHAFT (ROUGH MACHINED)	3TWD.096.073, Alt-8 or Latest	4TMS.096.051 Rev.-2, or Latest STR No: CLW/TM/STR/10100 Armatur shaft/rotor shaft(rough machd.) Rev.1 or Latest	01 No.	Manufacturing Spares are taken @2.5% Vide Note No: TM/M-20/05 Dtd:22.12.16

Prepared by JE/DRG(E)

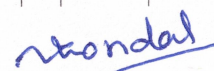
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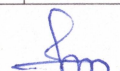
MATERIAL DEMAND SCHEDULE OF 3-PHASE TRACTION MOTOR TYPE 6 FRA 6068 FOR THE YEAR 2026-27 AND ONWARDS

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42	1011		<u>5721/321</u>	2994 5409 0117 S	ROTOR SHAFT (FINISH MACHINED)	1TWD.096.009, Alt-1 or Latest 2TJF.096.015 Alt-4 or Latest SKEL 5032 Alt-0 or latest SKEL 5043 Alt-0 or latest	4TMS.096.071 Rev.-1, Alt-1, STR NO. CLW/TM/0394/ROTOR SHAFT (FINISHED MACHINED) Rev-2 or Latest	01 No.	
43	1010	<u>5780/ 095</u>		2994 100 30317T	ASSOCIATED COMPONENT OF MACHINED STATOR ASSEMBLY EACH SET CONSISTING 11 NOS. FOLLOWING ITEMS:-	As per annexure -A	4TMS.096.068 Rev.-2, Alt-1 or Latest	1 SET	UNCOMMON TO 6FXA 7059
			5730/308		i) END FRAME /DE ASSLY.(CNC MACHD.) WITH AIR OUTLET NET & RDSO STR NO. 21,Rev-1or Latest	1TWD.096.005 Alt. -11,Ref.-4or latest & 2TWD.096.078 Alt- 3 or Latest	4TMS.096.068 Rev.2, Alt-1 or Latest		
			5740/408		ii) END FRAME /NDE ASSLY. (CNC MACHD.)with covering (Modified) & RDSO STR NO. 21, Rev-1 or Latest	0TWD.096.003 Alt. -13 or Latest 3TWD 096.108 Alt-2 (latest version)	4TMS.096.068 Rev.2, Alt-1 or Latest		
			5780/079		iii) SPEED PROBE HOUSING (CNC MACHD.) & RDSO STR NO. 21, Rev-1 or Latest	1TWD.096.077, Alt-5 or latest	DO		
			5720/202		iv) INNER LABYRINTH/DE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	4TWD.096.043 Alt.- 7 or Latest	DO		
			5780/056		v) OUTER BEARING CAP/DE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	1TWD.096.006 Alt.- 8 or Latest	4TMS.096.068 Rev.2, Alt-1 or Latest		
			5780/001		vi) INNER LABYRINTH/DE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	4TWD.096.028 Alt.- 6 or Latest	DO		
			5780/069		vii) OUTER LABYRINTH/DE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	4TWD.096.029 Alt.-8 or Latest	DO		
			5720/201		viii) INNER LABYRINTH/NDE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	4TWD.096.042 Alt.- 7 or Latest	DO		



Prepared by JE/DRG(E)



Checked by SSE/DRG.

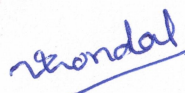


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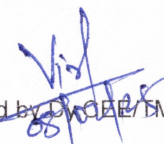
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			5780/005		ix) INNER LABYRINTH/NDE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	4TWD.096.031 Alt.- 6 or Latest	DO		
			5780/058		x) BEARING CAP/NDE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	3TWD.096.032 Alt. 9 or Latest	DO		
			5780/057		xi) CLAMP PLATE/NDE (CNC MACHD.) RDSO STR NO.-21, Rev-1 or Latest	2TWD.096.033 Alt. - 9 or Latest	DO		
44	1013	5780/096	5711/319 5711/320	2994 0916 0317 B	SET OF STATOR CHAMBER DE & NDE (CNC MACHD)	1TWD.096.017 Alt. 8 or Latest 1TWD.096.016 Alt. 9 or Latest	4TMS.096.059 Rev.1, or Latest & RDSO STR No.-21 rev.1 or Latest	01 SET	
45	1012		5711/360	2994 2032 0117 B	MACHINED TERMINAL BOX ASSLY.	3TWD.096.059 Alt.-4 or Latest	4TMS.096.055 Rev.1 or Latest STR NO-CLW/TM/18310 Rev.1or Latest version	01 No	
46	1014		5770/700	2994 0163 0117 B	TERMINAL BOX COVER ASSLY.	4TWD.096.027 Alt.-3 or Latest	IS:10192'82 Gr-EP-3 or Latest STR NO-CLW/TM/ 17030 Rev.1, or Latest	01 No	
47	877		5713/400	2994 0461 0317 B	CONNECTION COMPLETE WITH CLAMPING PLATE (WITHOUT INSULATION)	1TWD.096.014 Alt.-5 or Latest	4TMS.096.062 Alt.-5 or Latest STR No : CLW/ TM/10060 Rev. 1 or Latest	01 SET	UNCOMMON TO 6FXA 7059
48	561		5714/501	2994 0394 0117 F	NEUTRAL CONDUCTOR RING ASSLY. (WITHOUT INSULATION)	4TWD.096.061 Alt.-4,Ref.-1or Latest	4TMS.096.062 Alt.-5 or Latest STR No : CLW/ TM/10060 Rev. 1 or Latest	01 Nos.	DO
49	947		5721/402	2994 1295 0117 S	ROTOR BAR FOR SCHEME - I ROTOR,	SKEL 4740 Alt-3 or Latest	RDSO/2008/EL/SPEC./ 0063 / REV.- 4 / STR No: CLW/TM/9039 Rev. 1 or Latest	88 Nos.	TOTAL QTY.= 80% OF TOTAL ROTOR TARGET
50	947		5721/404	2994 1301 0117 S	ROTOR BAR FOR SCHEME - II ROTOR,	SKEL 4741 Alt-1 or Latest	RDSO/2008/EL/SPEC./ 0063 / REV.- 4 , STR No:CLW/TM/9039 Rev. 1 or Latest	88 Nos.	TOTAL QTY.= 20% OF TOTAL ROTOR TARGET
51	924		5721/401	2994 1313 0117 S	Zr-Cu STAMPING TYPE RESISTANCE RING FOR SHAFT MOUNTED SCHEME - I ROTOR	SKEL 4738 ALT. 3 Ref.2 or Latest	RDSO/2008/EL/SPEC. /0062/REV.- 3 STR No: CLW/TM/17700 , Rev.1 or Latest version	22 Nos.	TOTAL QTY.= 80% OF TOTAL ROTOR TARGET
52	924		5721/409	2994 1532 0117 S	Modified Zr-Cu STAMPING TYPE RESISTANCE RING FOR SHAFT MOUNTED SCHEME - I ROTOR	SKEL 4738 ALT. 3 Ref.1 or Latest	RDSO/2008/EL/SPEC. /0062/REV.- 3 STR No: CLW/TM/17700 , Rev.1 or Latest version	04 Nos.	TOTAL QTY.= 80% OF TOTAL ROTOR TARGET



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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
53	950		<u>5721/405</u>	2994 1362 0117 S	Zr-Cu PUNCHING TYPE RESISTANCE RING MECHANICALLY INTERLOCKED TO END PLATE FOR SCHEME - II ROTOR	SKEL 4742 ALT. 1 or Latest	RDSO/2008/EL/SPEC. /0064/REV.- 3 STR No: CLW/TM/17730 Rev.1 (latest version)	02 Nos.	TOTAL QTY.= 20% OF TOTAL ROTOR TARGET
54	949		<u>5721/403</u>	2994 1325 0117 L	END RING PLATE FOR SCHEME - I ROTOR,	SKEL 4739 Alt-3 or Latest	4TMS.096.068 REV.-2 Alt-1 or Latest STR No:CLW/TM/18109 Rev. 1 or Latest	02 Nos.	TOTAL QTY.= 80% OF TOTAL ROTOR TARGET
55	951		<u>5721/406</u>	2994 1350 0117 T	ROTOR END RING FOR SCHEME - II ROTOR,	SKEL 4732 Alt-1 or Latest	4TMS.096.068 REV.-2, Alt-1 or Latest STR No: :CLW/TM/18109 Rev. 1 or Latest	02 Nos.	TOTAL QTY.= 20% OF TOTAL ROTOR TARGET
56	562		<u>5721/407</u>	2994 1337 1317 F	BRAZING ROD Size:- Ø 2 x 600 ± 6 mm Long		DIN EN 1044 AG 203 STR No:CLW/TM/951 Rev. 1 or Latest	1.03 Kg	COMMON ITEM FOR SCHEME I & SCHEME II TYPE ROTOR
57	868		<u>5721/317</u>	2994 1246 1317 F	BRAZING FLUX		DIN EN 1045 FH 10 STR No:CLW/TM/961 Rev. 1 or Latest	0.2 Kg	DO
58	942		<u>5720/400</u>	29941027	SHAFT MOUNTED Zr-Cu STAMPING TYPE RESISTANCE RING DESIGN OF ROTOR (SCHEME-I) FOR TM TYPE 6FRA-6068 FOR WAG-9/WAP-7 LOCOS	SKEL-4881, Alt-0 (latest version)	RDSO/2007/EL/SPEC./0060, Rev-0 (LATEST ALTERATION) STR No. CLW/2012/3PH TM Rotor/STR/0003, Rev-1 (or Latest)	01 No.	
59	941		<u>5720/500</u>	2994 0758 0117 P	COMPLETE ROTOR (Scheme-II design) USING ZIRCONIUM COPPER PUNCHED DESIGNED RESISTANCE RING MECHANICALLY INTERLOCKED WITH END RING FOR 3-PHASE TM type 6FRA 6068 for WAG9/WAP7 Locos	SKEL-4882, Alt-0 (latest version)	RDSO/2008/EL/SPEC/0061, Rev-2 or Latest STR No. CLW/2012/3PH TM ROTOR/STR/0003, Rev-1 or Latest	01 No.	
60	942		<u>5700/004</u>	29941064	3-PHASE ASYNCHRONOUS TRACTION MOTOR (WITH SHAFT MOUNTED Zr-Cu STAMPING TYPE RESISTANCE RING DESIGN OF ROTOR, SCHEME-I)TYPE 6FRA 6068 FOR WAG-9/WAP-7 LOCOS without active speed sensor		4TMS.096.080, Rev-1, Alt-4 (latest version) STR No. CLW/2008/3PH TM/STR/0001, Rev-1, Alt-1 (or Latest)	01 No.	

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Approved by Dy. CEE TMD.

MATERIAL DEMAND SCHEDULE OF 3-PHASE TRACTION MOTOR TYPE 6 FRA 6068 FOR THE YEAR 2026-27 AND ONWARDS

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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
61	52		<u>5700/005</u>	2994 2007 0117 P (Shop Made) 2994 0606 0117 P (Trade Supply) for WAG9 2994 1180 for (Trade supply) WAP7	3-PHASE ASYNCHRONOUS TRACTION MOTOR (RESISTANCE RING MECHANICALLY INTERLOCKED TO END PLATE DESIGN ROTOR, SCHEME-II TYPE 6FRA 6068) FOR WAG-9/WAP-7 LOCOS without active speed sensor	0TWD.096.001, Alt-3 or latest	4TMS.096.081, Rev-1, Alt-3 (or latest version) STR No. CLW/2008/3PH TM /STR/0001, Rev-1, Alt-1 (or latest)	01 No.	
62	857		<u>5710/100</u>	2994 0989 0117 T	COMPLETE STATOR ASSLY. FOR 3-PHASE TM TYPE 6FRA-6068	0TWD.096.002, Alt-4 or latest	4TMS.096.089, Alt-1 (or latest) STR No. CLW/2011/3PH TM/STR/0002, Rev-1 or Latest	01 No.	
					<u>GROUP-D</u> (SHORT DELIVERY INDIGENEOUS)				
63	388		<u>5780/018</u>	2967 0019 0117 L	NAME PLATE FOR RATING	4TWD.096.039, Alt. 4 or Latest	CLW/TM/17290, Rev.1 (or latest version)	01 Nos.	
64	879		<u>5780/068</u>	2967 0111 0117 L	NAME PLATE	4TWD.096.090, Alt. 3 or Latest	CLW/TM/17290, Rev.1 (or latest version)	02 Nos.	
65	384		<u>5711/313</u>	2994 0620 0117 B	TENSION BAR (MODIFIED)	3TWD.096.092 Alt.- 4 or Latest	4TMS.096.055 Rev-1 or latest STR No: CLW/TM/939 Rev. 2 or Latest	02 Nos.	
66	886		<u>5711/314</u>	2994 0631 0117 B	TENSION BAR (MODIFIED)	3TWD.096.093, Alt.- 4 or Latest	DO	02 Nos.	
67	887		<u>5711/315</u>	2994 0679 0117 B	STATOR RIB (MODIFIED)	4TWD.096.095, Alt. - 3 or Latest	DO STR No: CLW/TM/935 Rev.1 (or latest version)	04 Nos.	
68	888		<u>5711/316</u>	2994 0667 0117 B	CROSS PIECE (MODIFIED)	3TWD.096.094, Alt.- 4 or Latest	DO STR No: CLW/TM/939 Rev. 2 or Latest	02 Nos.	
69	889		<u>5711/317</u>	2994 0643 0117 B	ACCESSORY BAR	3TWD.096.096, Alt.- 4 or Latest	DO STR No: CLW/TM/18150 Rev. 2 or Latest	02 Nos.	
70	890		<u>5711/318</u>	2994 0655 0117 B	ACCESSORY BAR	3TWD.096.097, Alt.- 4 or Latest	DO STR No: CLW/TM/18150 Rev. 2 or Latest	02 Nos.	
71	387		<u>5711/308</u>	2994 0527 0117 B	FLANGE	4TWD.096.067, Alt. 6 or Latest	DO STR No: CLW/TM/17501 Rev. 1 or Latest	01 No.	
72	875		<u>5711/310</u>	2994 2111 0117 S	WELDING PLATE	4TWD.096.068, Alt. 4 or Latest	CLW/TM/17050 Rev.1 (latest version)	01 No.	

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MATERIAL DEMAND SCHEDULE OF 3-PHASE TRACTION MOTOR TYPE 6 FRA 6068 FOR THE YEAR 2026-27 AND ONWARDS

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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
73	385		<u>5711/309</u>	2994 2147 0117 S	EARTHING STUD	4TWD.096.066, Alt. 3 or Latest	CLW/TM/17040 Rev.1 (latest version)	01 No.	
74	386		<u>5721/322</u>	2938 0054 0117 S	KEY	4TWD.096.048, Alt. 2 or Latest	4TMS.096.055 Rev-1 or latest STR No: CLW/TM/18310 Rev.1 (Latest version)	01 No.	
75	891		<u>5721/324</u>	2994 2100 0117 S	HALF RING	4TWD.096.049, Alt. 3 or Latest	DO STR No: CLW/TM/18190 Rev. 1 or Latest	02 Nos.	
76	868		<u>5720/210</u> <u>5820/211</u>	2994 5598 0317 D	BALANCE WEIGHT KIT (Scheme- I rotor for 3-PHASE TM type 6FRA 6068 & rotor for 6 FXA 7059)	4TWD.096.044, Alt. 8 or Latest 4TWD.096.101 Alt.4 or Latest	4TMS.096.084 Rev.1 or Latest CLW/TM/18219 Rev.1 or latest	01 SET	80% of total shop target of 6 FRA 6068 rotor
77	866		<u>5720/209</u>	2994 5586 0317 D	BALANCE WEIGHT KIT (Scheme- II rotor for 3-PHASE TM type 6FRA 6068)	4TWD.096.173, Alt.2 or Latest	4TMS.096.083 Rev.1 or Latest CLW/TM/18219 Rev.1 or latest	01 SET	20% of total shop target of 6 FRA 6068 rotor
78	913		<u>5780/016</u>	2994 0308 0117D	HOSE CLAMP	4TWD.096.070, Alt. 3 or Latest	STR No: CLW/TM/ 17280 Rev. 1 or Latest	01 No.	
79	922		<u>5713/434</u> <u>454.474 &</u> <u>5716/009</u>	2594 8556 1317 F	SILVER BRAZING ALLOY ROD Ø 2 X 500 ± 6 mm LONG		IS: 2927-'75 or Latest Gr. BA-Cu-Ag16A STR No: CLW/TM/951 Rev. 1 or Latest	0.16 Kg. (Shop 23 0.16 kg)	Common to 6 FXA 7059
80	992		<u>5713/437</u> <u>457.477 &</u> <u>5716/031</u>	2560 8095 1317 F	BRAZING FLUX SUITABLE FOR SILVER BRAZING ALLOY ROD & SILVER BRAZING ALLOY FOIL		4TMS.096.096, Rev.1 STR No: CLW/TM/961 Rev. 1 or Latest	0.04 Kg. (Shop 23 0.04 kg)	Do
81	873		<u>5780/013</u>	2994 0278 0117 D	THRUST CARRYING PIECE	3TWD.096.037, Alt.5 or Latest	IS:10192' 82 Gr. EP3 or latest STR No: CLW/TM/17030 Rev-1 or Latest	01 No.	
82	918		<u>5780/094</u>	2937 5060 2217 D	RUBBER BUSH for 6 FRA 6068	4TWD.096.171 Alt-1 or Latest	STR No: CLW/TM/14350 Rev. 1 or latest	03 Nos.	
83	915		<u>5780/004</u>	2925 0596 0117 D	SEALING RING REF.-1	4TWD.096.030/1 Alt.-4 or Latest	STR No: CLW/TM/14350 Rev. 1,4TMS 096.086 ,Rev.1 or Latest	1.4 No.	
84	916		<u>5780/007</u>	2925 0584 0117 D	SEALING RING REF.-2	4TWD.096.030/2 Alt.-4 or Latest	Do	1.4 No.	

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MATERIAL DEMAND SCHEDULE OF 3-PHASE TRACTION MOTOR TYPE 6 FRA 6068 FOR THE YEAR 2026-27 AND ONWARDS

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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
85	174		<u>5780/015</u>	2994 0280 0117 D	CORRUGATED HOSE COFLEX	3TWD.096.072 Alt.-5 or Latest	CLW/TM/19060 Rev-1	01 No	
86	177		<u>5780/053</u>	2994 0291 0117 D	CABLE BINDER	4TWD.096.079 Alt.-5 or Latest	4TMS.096.067,Rev.1 or Latest STR No. CLW/TM/19070 Rev.-1	05 Nos.	
87	231		<u>5780/054</u>	25608770 0317C	ANAEROBIC ADHESIVE (3B1103) or similar		4TMS.095.018 Rev.1 or Latest CLW/TM/22600 Rev 1 or latest	0.11 litre	
88	180		<u>5780/061</u>	2994 0310 0317 D	CLIP ASSLY. (WITHOUT WELDING PLATE)	4TWD.096.082 Alt.-2 or Latest	CLW/TM/17220 Rev.1 (latest version)	02 sets.	
89	230		<u>5780/074</u>	29600686	LIQUID GASKET (THREE BOND 1105 of M/s THREE BOND Co. LTD./JAPAN or SIMILAR)		4TMS.095.017 Rev.1 (latest version)	0.1 Kg	
90	186		<u>5716/041</u>	29720734 2217 C	ADHESIVE GLASS CLOTH TAPE Size:- 0.14 x 19 mm WIDE (IN CONTINUOUS ROLL OF 30 m)		4TMS.096.026 Rev.1 (latest version) CLW/TM/12079/STR /AGCT(Rev.1) (latest version)	15 m	
91	186		<u>5716/042</u>	29720746 2217 C	ADHESIVE GLASS CLOTH TAPE Size:- 0.14 x 50 mm WIDE (IN CONTINUOUS ROLL OF 30 m)			10 m	
92	187		<u>5716/044</u>	29720576 0117 C	POLYESTER FILM (Y-P) 2 MIL. THK. SIZE:- 100 + 2 + 0 mm X 500 + 3 + 0 mm		4TMS.096.104 STR: CLW/TM/187 Rev 1	150 Nos.	
93	095		<u>5716/043</u>	29720758 2217 C	HIGH TEMPERATURE NON ASBESTOS FABRIC MAT. SIZE:- 0.762 X 914 mm Wide		4TMS.096.027 Rev. - 2 or Latest STR: CLW/TM/STR/095 Rev.1	0.35 m	
94	221		<u>5716/056</u>	25722682 5117 A	METHYL ALCOHOL OR INDUSTRIAL SOLVENT IS SIMILAR TO METHYL ALCOHOL TO IS: 517'86 GR. METHANOL PURE/TECH		IS:517'86	0.63 liter	To be supplied in Maximum 20-25 Kg capacity
95	875		<u>5716/061</u>	257210942217L	"ASBESTOS TAPE" SIZE: 0.4 mm Thk. X 25 mm wide (Roll length 33 m)		IS:6230'70 or Latest	13 m	Uncommon to 6 FXA 7059
96	143		<u>5716/055</u>	2560 8125 2217 A	GLASS TAPE (EGT) Size :- 0.18 x 25 mm		4TMS.095.016 Rev-1 STR: CLW/TM/20150 & 20160 (Rev-1)	36 m	

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Prepared by JE/DRG(E)

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97	893		<u>5716/062</u>	819807605117A	TOLUENE (Industrial Grade)		IS:5372011or Latest CLW/TM/12110 Rev.1 or latest	0.189 L or (0.16 kg)	Common to 6 FXA 7059 (1 Litre=0.846 Kg) * To be supplied in Maximum 20-25 Kg capacity
98	0052		<u>5711/203</u>	2994 1260 0317B	ACCESSORIES OF 3-PHASE STATOR CHAMBER TYPE 6FRA 6068	3TWD.096.167 Alt.-5 or Latest	STR No: CLW/TM/18038 Rev. 1 (or latest)	01 Set.	
99	100	<u>5780/ 080</u>	5780/057	2994 5446 0317 L	"CYLINDRICAL PIN KIT"		4TMS.096.072,Rev.1 or Latest CLW/TM/11070 Rev-1	01 SET	SHOP 21 = 5780/080
100	103	<u>5780/ 090</u>	5780/081 5716/057	2994 1167 0317 L	"MACHINED WASHER KIT"		4TMS.096.073, Rev.1 or Latest CLW/TM/11070 Rev-1	01 SET	SHOP 21 = 5780/081 SHOP 23 = 5716/057
101	111	<u>5780/ 091</u>	5780/083 5716/058	2994 1076 0317 L	"SPRING WASHER KIT"		4TMS.096.074,Rev.1 or Latest STR NO-CLW/TM/11020 (Rev-0) (or latest	01 SET	SHOP 21 = 5780/083 SHOP 23= 5716/058
102	109	<u>5780/ 092</u>	5780/085 5716/059	2994 1039 0317 L	"STANDARD HARDWARE KIT"		4TMS.096.075, Rev.1,Alt-1 or Latest STR No: CLW/TM/0854 Rev. 2 or latest	01 SET	SHOP 21 = 5780/085 SHOP 23 = 5716/059
103	106	<u>5780/ 093</u>	5780/087 5780/019	2994 1192 0317 L	"THREAD INSERT KIT"		4TMS.096.076, Rev.1or Latest STR No: CLW/TM/0857 Rev. 1 or latest	01 SET	SHOP 21 = 5780/087 SHOP 23= 5780/019
104	104	<u>5780/ 089</u>		2994 1040 0317 L	"NON-STANDARD HARDWARE KIT"		4TMS.096.077, Rev.1, Alt-1 or Latest STR No.: CLW/TM/11070 Rev-1	01 SET	SHOP 21 = 5780/089
105	921		<u>5760/624</u>	2994 0862 0317A	KITS FOR TEMPERATURE SENSOR ASSEMBLY FOR TM TYPE 6FRA 6068	4TWD.096.163 ALT. 4 REF-1 or Latest	CLW/TM/17320/Kits	01 No	NIL

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