

## ANNEXURE A

## APPROVED LIST 158 - SPECIALISED GOODS, EQUIPMENT AND REPAIRER FOR SPECIALISED GOODS

List No for Approved Vendor	Material item nr	Material Description	Drawing number/specification	Product/ System data Sheets Required from respondents	Testing/Test Reports Required from respondents	Sample to be provided by bidders after passing stage 3	Name(s) of the manufacturer(s) and approved distributor(s)	Bidder Interested (Yes/No)
158	061803608	CABLE ELECT;7,DIA:95 MM2,300 TO 500 V CABLE, ELECTRICAL; CONDUCTOR QUANTITY: 7, CONDUCTOR DIAMETER: 95 MM2, POTENTIAL: 300 TO 500 V, CONDUCTOR MATERIAL: NEOPRENE TINNED; SPECIFICATION: RS/EE/SP/015, LA; FEATURES: TINNED CONDUCTORS WITH SPECIAL CORE; 95MM SQUARE 4 CORE TSC EPM UNSCREENED POWER CORES; 1 X 25MM SQUARE RS EPM EARTH CORE AND 2 X 6MM SQUARE PILOT TSC EMP CORES; THE OUTER SHEATH IS NEOPRENE (H07) WITH A 56MM MAXIMUM DIAMETER; THE 95MM SQUARE CORES MUST BE RED, BLUE, WHITE AND BLACK COLOUR CODED; THE 6MM SQUARE CORES MUST BE GREY COLOUR CODED A ND NUMBERED 9PRINTED 1 AND 2; THE 25MM SQUARE CORE IS EARTH AND MUST BE GREEN/YELLOW COLOUR CODED.	RS/EE/SP/015	yes	yes	yes - A sample of 300mm length required		
158	066802588	SET;SPRING 7 FT BOGIE,COACH M/LINE,QTY:1 SET; TYPE: SPRING, 7 FT BOGIE, APPLICATION: COACH, MAINLINE, QUANTITY: 1; ASSEMBLY BOLSTER DRW.CME A2 83-55013 4 EA-OFF/D.R.P DRW NO LB 3982-A (2) SPRING OUTER BOLSTER DRW. CME A2 83-D.R.P. (3) SPRING INNER BOLSTER DRW CME A2 83-55015 4EA- OFF D.R.P. DRG.NO LB 3982-2-A (4) SPRING OUTER EQUALISER DRG. CME A3-83-55011 8EA-OFF D.R.P. DRW.NO. LB3981-1-A (5) SPRING INNER EQUALI SER DRW. CME A3-83-55012 8 EA-OFF D.R.P. DRW. NO. LB.3981-2-A (6) SPRING ASSEMBLY EXUALISER DRW. CME A2-83-55010 8EA-OFF D.R.P. DRW NO.LB 3981-A	DRG.NO LB 3982-2-A CME A2 83-D.R.P. CME A2 83-55013 CME A2 83-55015 DRG.NO LB 3982-2-A DRW NO.LB 3981-A A2-83-55010 CME A3-83-55012 DRW.NO. LB3981-1-A DRG. CME A3-83-55011	yes	yes	yes		
158	055802332	KIT;SLEEPER 6 EX E2 LIGHT SYS, KIT; TYPE: SLEEPER 6, EX E2 LIGHT SYSTEM, APPLICATION: SPECIFICATION: PD-PDC-NAT-SPEC-0032; 19 230V AC ELECTRONIC/LED LIG HT SYSTEM SERIES 0	PD-PDC-NAT-SPEC-0032	yes	yes	yes		
158	056802456	SEAT;ECONOMY CL,VINYL/STL SEAT TYPE ECONOMY CLASS DIMENSIONS WD 400 MM X LG 1.05 M X HT 700 MM MATERIAL VINYL/STEEL 2.1 TRIM-VYNIL-CHARCOAL/DARK GREY SEAT FACES AND BACK WITH BLACK SIDE PANELS, 2.2 HEADREST-CONTOURED WITH BLACK VYNIL TRIM, 2.3 CENTRE FOLD-UP ARMREST, 2.4 FRAME-POWDER COATED-GRAHPITE GREY	No external document	yes	yes	yes		
158	062804654	ADJUSTER SLACK BRAKE/M/C,T/C.SCREW ADJUSTER, SLACK BRAKE; TYPE: MOTOR COACH CLASS 10M5, FAIVELEY, APPLICATION: MOTOR/TRAILER COACH, DESIGN TYPE: SCREW; P/N: 220362, FAIVELEY; TYPE DRV 10AU-500; MAX EXT LENGTH 2225MM; APPLICATION: CLASS 5M2A, 10M2S1, 10M3, 10M5; MOTOR AND PLAIN TRAILER COACH; TEST CERTIFICATE REQUIRED FOR EACH; OR; ADJUSTER, SLACK BRAKE; (TYPE KR02A- 500ARL); MAX EXT LENGTH 2225MM; PLAIN TRAILER COACH	BBH1255	yes	yes	yes		
158	055802333	KIT;ECON/BUS CL SITTER EX H3,ZAMBIA RAIL KIT; TYPE: ECONOMY/BUSINESS CLASS SITTER, EX H3, APPLICATION: ZAMBIA RAIL; 20 230V AC ELECTRONIC/LED LIGHT SYSTEM; CONSISTING OFF:  1) BE-2 CENTRE LIGHT 3.35M 2 OFF, 2) BE-4 CENTRE LIGHT 1.43M 4 OFF, 3) Z-P ROUND LED LIGHT WITH EMERGENCY 10 OFF (ITEM NUMBER 55 811012) 4) BACK-UP STD EMERGENCY MODULE STANDARD 6 OFF	PD-PDC-NAT-SPEC-0033	yes	yes	yes		
158	055802334	KIT;CATERING CAR (EX E2), KIT; TYPE: CATERING CAR (EX E2), APPLICATION: KR; 21 230V AC ELECTRONIC/LED LIGHT SYSTEM SERIES 0	PD-PDC-NAT-SPEC-0034	yes	yes	yes		
158	027664601	PANELYTE UNBAL WHITE SATIN 1,2X1300X3530 PANELYTE UNBAL WHITE SATIN 1,2X1300X3530 SPEC: SABS ISO 4586/1997	SPEC: SABS ISO 4586/1997	yes	yes	yes		
158	055802350	KIT;1 LIGHT SERIES 2,PWR CAR KIT; TYPE: 1 LIGHT SERIES 2, APPLICATION: POWER CAR; MAINLINE COACHES; CE ROUGH GUARD (3X36W) 2521-LE SOFF; H-1 WING LIGHT (24V) 42 02 20FF; J-1 TAIL LIGHT; (24V) 4105 20FF; DIRECTIONAL SWITCH BOX 1 OFF;	Pd-pdc-nat-spec-0012	yes	yes	yes		
158	027400683	SHEET NONMETALLIC;SERINGA 220 DBL DECOR SHEET, NONMETALLIC; TYPE: SERINGA 220 DOUBLE DECOR, THICKNESS: 4.5 MM, MATERIAL: FORMICA, WIDTH: 1.22 M, LENGTH: 2.44 M, COLOR: CRY STAL; HIGH PRESSURE DECORATIVE LAMINATES EUROPEAN STANDARD EN 438 AND ISO 4586	No external document	yes	yes	yes		
158	055802354	KIT;ECON CL BAGGAGE EX K52/K54 SM KIT; TYPE: ECONOMY CLASS BAGGAGE, EX K52/K54, APPLICATION: SM; 4 230V AC ELECTRONIC/LED LIGHT SYSTEM SERIES 0	PD-PDC-NAT-SPEC-0019	yes	yes	yes		
158	055802317	KIT;ECON CL SLEEP.SM,EX C10 KIT; TYPE: ECONOMY CLASS SLEEPER, APPLICATION: SM, SPECIAL FEATURES: EX C10; KIT 2, 230V ELECTRONIC/LED LIGHT SYSTEM SERIES 2	PD-PDC-NAT-SPEC-0014	yes	yes	yes		
158	055802331	KIT;18 SLEEPER 4 EX E2 LIGHT SYS KIT; TYPE: 18, SLEEPER 4, EX E2 LIGHT SYSTEM, APPLICATION: KEI RAIL; CONSIST OF: 1) CODE: F, LUMINAIRE LONG, QTY 7;) CODE: K, BUNK LIGHT, QTY 24; 3) CODE:Z-P, ROUND SEALED LED LIGHT AND EMER, QTY 15; 18 230V AC ELECTRONIC/LED LIGHT SYSTEM SERIES 0	PD-PDC-NAT-SPEC-0018	yes	yes	yes		
158	067804655	KIT; TYPE: DOOR END SLIDING, MANUAL, APPLICATION: MAINLINE SITTER COACH; DRAWING NO: NS1050-00-000, 0; SHOSHOLAZA; CONSISTS OF THE FOLLOWING - 1) END DOOR RHS DRG NS05521-RS-GCO 2) END DOOR LHS DRG NS05520-LS-GCO DOORS FINISHING SPEC SOLID WINDOW GLASS CLEAR 3) END DOOR SLIDING DOORGEAR DRG NS10501-00-000	No external document	yes	yes	yes		

158	055803398	CONNECTOR SET, ELECTRICAL; TYPE: INTER COACH, POWER CAR, CONNECTOR TYPE: PUSH IN; DRAWING NO: D03189GA, 0, ELECTRO-RAIL; FOR POWER CAR KEI RAIL TRAIN SET ONLY; COMPRISING: 2X 10M LONG JUMPER CABLE WITH CONNECTOR (FEMALE), 2 X DUMMY RECEPTACLE; 2 X RECEPTACLE CONNECTOR WITHOUT BUS RETURN (MALE), 2 X RECEPTACLE (STANDARD LENGTH) CONNECTOR (MALE), 2 X (4M LONG BETWEEN GLANDS) JUMPER CABLE WITH CONNECTOR (FEMALE); 2 X DUMMY RECEPTACLE CONNECTOR WITH BUS RETURN (MALE), MANUFACTURED BY ELECTRO-RAIL (PTY).	No external document	yes	yes	yes		
158	067666205	WINDOW VEHICLE;TOILET, GLS/PLSTC,CLEAR WINDOW, VEHICULAR; TYPE: TOILET, MATERIAL: GLASS/PLASTIC, COLOR: CLEAR, APPLICATION: C9, C10, E3, PHELOPHEPA, SPECIAL FEATURES: COMPLETE WITH SHROUD, WITH CREAM SHROUD RAL 9001 AND FRAME TO BE POWDER COATED GRAPHITE GREY RAL 7024	PD-PDC-NAT-SPEC 0502,	yes	yes	yes		
158	067668591	COVER;SHROUD WINDOW,PLASTIC,SOW SLEEPER COVER; TYPE: SHROUD WINDOW, MATERIAL: PLASTIC, APPLICATION: SOW SLEEPERS, DIMENSIONS: COLOR: GRAPHITE GRAY	PD-PDC-NAT-SPEC 0502, Clause 3.13	yes	yes	yes		
158	067668592	COVER;SOW SLEEPERS,GRAPHITE GRAY COVER APPLICATION SOW SLEEPERS COLOR GRAPHITE GRAY SHROUD & BLIND	PD-PDC-NAT-SPEC 0502, Clause 3.13	yes	yes	yes		
158	067801283	ASSEMBLY; TYPE: DOOR VESTABLE END COMPLETE, LEFT HAND, APPLICATION: COACH, SLEEPER/SITTER; INCLUDE SAFETY GLASS GREY TINTED	No external document	yes	yes	yes		
158	055802319	KIT:ECON CL SITTER EX H6/H5,SM KIT; TYPE: ECONOMY CLASS SITTER, EX H6/H5, APPLICATION: SM; 3 230V AC ELECTRONIC/LED LIGHT SYSTEM SERIES 2	pd-PDC-NAT-SPEC-0015	yes	yes	yes		
158	068013681	SPRING HELICAL COMPR;OD:254 MM,AXLE BOX SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 254 MM, SPRING FREE LENGTH: 364 MM, APPLICATION: AXLE BOX, SPRING MATERIAL: STEEL, INSIDE DIAMETER: 38 MM, TYPE: INNER; DRAWING NO: CME 68/028524-361, LA; BOLSTER; (OUTER)	DRAWING NO: CME 68/028524-361	yes	yes	yes		
158	067801284	ASSEMBLY;DOOR VESTABLE END COMPLETE, RH ASSEMBLY; TYPE: DOOR VESTABLE END COMPLETE, RIGHT HAND, APPLICATION: COACH, SLEEPER/SITTER; INCLUDE SAFETY GLASS GREY TINTED	No external document	yes	yes	yes		
158	067807238	ASSEMBLY;SEAT T4X H/BACK,COACH M/LINE ASSEMBLY; TYPE: SEAT T4X HIGH BACK, APPLICATION: COACH, MAINLINE; CONSIST OF 2 SEATER AND FRAME WITH INTEGRATED HEADREST/HIGHBACK, AISLE SIDE ARMREST WITH FINISHER AND FIXED FOOTBAR; SMALL MINI COVER OVER THE INTEGRATED HEADREST TO PROTECT AGAINST LUGGAGE DAMAGE	No external document	Yes	yes	yes		
158	066802611	SET;BOGIE SPRING,COACH M/LINE,QTY:1 SET; TYPE: BOGIE SPRING, APPLICATION: COACH, MAINLINE, QUANTITY: 1; EASTERN CAPE PROJECTEQUALISER SPRING OUTER 40MM DRG- CME 682852 7-361 (BEACH) EQUALISER SPRING INNER 25MM DRG- CME 6828522-361 (BEACH) BOLSTER OUTER SPRING 50MM DRW CME 6828473-381E DRG CME 6828562-36 DRG CME 68 28561-361	DRG- CME 682852 7-361 DRW CME 6828473-381E DRG CME 6828562-36 DRG CME 68 28561-361	Yes	yes	yes		
158	067002794	VENTILIATOR;GRILLE,COACH H2/3,GRAY VENTILIATOR; TYPE: GRILLE, APPLICATION: COACH H2/3, DIMENSIONS: DIA 330 X THK 0.6 MM, MATERIAL: STEEL EPOXY POWDER COATED 300 MICRON , COLOR: GRAY; DRAWING NO: A2-57-49007, G; BLOEMFONTEIN PLANT 1305 MUST BE CREAM COATED	DRAWING NO: A2-57-49007	Yes	yes	yes		
158	068016066	ADAPTOR;K125651, ADAPTOR; TYPE: BEARING UNIT AP, APPLICATION: COACH, MAINLINE; P/N: K125651, TYPE D; USED ON:K5-5-9, L-R-T, L-52-T, S-7-T, S-68-T; MACHINE SURFACE TO BE COATED WITH RUST PREVENTURE TYCTYL 506G; STORES DESCRIPTION ADAPTOR D TYPE	A0 83-40005	yes	yes	yes		
158	067033275	KIT; TYPE: DOOR END SLIDING, MANUAL, APPLICATION: MAINLINE SITTER COACH; DRAWING NO: NS1050-00-000, 0; SHOSHOLOZA; CONSISTS OF THE FOLLOWING : 1) END DOOR RHS DRG NS05521-RS-GCO 2) END DOOR LHS DRG NS05520-LS-GCO DOORS FINISHING SPEC SOLID WINDOW GLASS CLEAR 3) END DOOR SLIDING DOORGear DRG NS10501-00-000	No external document	Yes	yes	yes		
158	083065684	HOSE ASSY NONMETAL;LG 610 MM,AIR,RUBBER HOSE ASSEMBLY, NONMETALLIC LENGTH 610 MM MEDIA FOR WHICH DESIGNED AIR MATERIAL RUBBER APPLICATION MAIN RESERVOIR CONNECTION TYPE COUPLING EP3 X BEND NPT 45DEG CONNECTION SIZE 3/4 IN (A20), 600MM BETWEEN FLANGES, ELECTRIC LOCOS AND MOTOR COACHES DRAWING NO: RS A017-001-898 REV 0	DRAWING NO: RS A017-001-898	Yes	yes	yes		
158	055802642	CONNECTOR SET, ELECTRICAL; TYPE: MAINLINE INTER COACH, CONNECTOR TYPE: MALE/FEMALE RECEPTICAL, SPECIAL FEATURES: INCLUDE ALL LABELLING; DRAWING NO: D03189AA, 0; 1 SET CONSISTS OF :1 X PLUG HEAD JUMPER TO DRG D02992EA (WITH A 2 METER CABLE); 1 X DUMMY RECEPTACLE ASSEMBLY (WITH CONTACTS) TO DRG D02992DA,1 X RECEPTACLE ASSEMBLY TO DRG D02992BA	No external document	yes	yes	yes		
158	067023781	CONTROLLER;VESTIBULE,DOOR CONTROLLER; TYPE: VESTIBULE, APPLICATION: DOOR	No external document	yes	yes	yes		
158	012805125	MOLDING;ANGLE,AL,NATURAL ANODIZE MOLDING TYPE ANGLE DIMENSIONS WD 12 MM X LG 6 M X HT 12 MM X THK 1.5 MM MATERIAL ALUMINIUM COLOR NATURAL ANODIZE SECTION NUMBER: 11193	No external document	yes	yes	yes		
158	012805126	MOLDING;ANGLE,AL,BRZ MOLDING TYPE ANGLE DIMENSIONS WD 12 MM X LG 6 M X HT 12 MM X THK 1.5 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER: 11193	No external document	yes	yes	yes		

158	012805127	MOLDING;UNEQUAL ANGLE,AL,NATURAL MOLDING TYPE UNEQUAL ANGLE DIMENSIONS WD 54.2 MM X LG 2.5 M X HT 24.6 MM MATERIAL ALUMINIUM COLOR NATURAL EXTERNAL DOOR FRAME SECTION NUMBER: 32273	No external document	yes	yes	yes		
158	012805128	MOLDING;UNEQUAL ANGLE,AL,BRZ MOLDING TYPE UNEQUAL ANGLE DIMENSIONS WD 54.2 MM X LG 2.5 M X HT 24.6 MM MATERIAL ALUMINIUM COLOR BRONZE EXTERNAL DOOR FRAME SECTION NUMBER: 32273	No external document	yes	yes	yes		
158	012805129	MOLDING;FLAT BAR,AL,NATURAL MOLDING TYPE FLAT BAR DIMENSIONS WD 31.7 MM X LG 6 M X THK 3 MM MATERIAL ALUMINIUM COLOR NATURAL SECTION NUMBER: 32274	No external document	yes	yes	yes		
158	085803401	TAILLIGHT VEHICULAR;LED WING LIGHT TAILLIGHT, VEHICULAR; TYPE: LIGHT EMITTING DIODE WING LIGHT, POTENTIAL RATING: 24 VDC, LAMP BASE TYPE: PD-PDC-NAT-SPEC-0038, DESIGN TYPE: CONTAINERIZED GENSET REFER 3.9(2-OFF)	PD-PDC-NAT-SPEC-0038	yes	yes	yes		
158	085802432	KIT: TYPE: 3, AIR CONDITIONER, X2 HA, APPLICATION: SHOSHOLLOZA MEYL: STANDARD AIRCON SYSTEM (X2 HIDE-AWAY (HA)) SERIES (S) 0, 8KW (NOMINAL) STANDARD TYPE EVAPORATOR- UNITS, ONLY APPROVED PRODUCTS TO BE SUPPLIED AND INCUMBENT UPON SUPPLIER TO SUBSTANTIATE ACCORDINGLY, (VIZ. PRODUCTS APPROVED IN ACCORDANCE WITH TRANSNET RAIL ENGINEERING APPROVAL PROCEDURE), BASIC REQUIREMENTS FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF AIRCON SYSTEM, VIZ: FRESH AIR TO BE SUPPLIED VIA SUCTION INLET (INCLUDING Ø100MM GRILL COVER (TW10 636)(1 OFF)) FITTED TO THE HEADER OF ONE OF THE COACH EXTERNAL ACCESS DOORS AND FLEXIBLE AIR PIPING (DUCTING) TO THE SUCTION INTERFACE MANIFOLD BOX WITH FILTER INTEGRAL WITH SUCTION INTERFACE MANIFOLD BOX (1 OFF), DAIKIN STANDARD INDOOR UNITS : FBQ 71 B 8V3B HIDE AWAY TYPE EVAPORATOR UNITS (2 OFF), INTEGRAL INTERFACE SUCTION MANIFOLD BOX CONNECTING TWO (2) ADJACENT INDOOR UNITS, SEPARATE INTERFACE OUTLET MANIFOLD BOXES FITTED TO EACH OF THE INDOOR UNITS, Ø150MM HOWDEN DONKIN LINEO VORTICE AXIAL EXTRACTOR FANS (150 VO # T VO) MOUNTED TO OUTLET INTERFACE MANIFOLD BOX FOR REGULATING AIR SUPPLY TO EACH COMPARTMENT (4 OFF), FLEXIBLE AIR PIPING (DUCTING) CONNECTING INTERFACE OUTLET MANIFOLD BOX TO COMPARTMENT DIFFUSERS. COMPARTMENT DIFFUSERS (4 OFF), COMPARTMENT DOOR LOUVRES (4 OFF), SUCTION LOUVRE (1 OFF), DAIKIN STANDARD OUTDOOR UNITS : RZQ 71 B 8V3B (OR RZQS 71 B 8V3B) CONDENSER UNITS (3 OFF), STANDARD MOUNTING BRACKETS OF CONDENSER UNITS MOUNTED ON RUBBER PADS, INSTALLATION MATERIALS (COPPER PIPING, REFRIGERANT PIPING AND FITTINGS, INSULATION, ETC.) DRAIN PIPING FOR EVAPORATOR UNITS, ELECTRICAL HARNESS FROM CONDENSER TO EVAPORATOR, CONTROL WIRES FROM EVAPORATORS TO CONTROL PANELS, DAIKIN BRC1C62 CONTROLLER (1 OFF), INSTALLATION AND COMMISSIONING OF UNITS (NOTE : OUTSIDE OF SUPPLIER'S SCOPE OF SUPPLY - SUPPLY OF CONDENSER CRADLES (TWK12389 # SINGLE (2 OFF)), CONDENSER ISOLATING SWITCH (2 OFF) AND WIRING INSTALLATION FOR COMPARTMENT FANS	No external document	yes	yes	factory inspection sample testing		
158	085802435	KIT:6 AIRCON X2 CAS,5/MEYL KIT: TYPE: 6, AIR CONDITIONER, X2 CAS, APPLICATION: SHOSHOLLOZA MEYL: STANDARD AIRCON SYSTEM (X2 CASSETTES (CAS)) SERIES (S) 0, 8KW (NOMINAL) STANDARD TYPE CONDENSOR- AND EVAPORATOR- UNITS. ONLY APPROVED PRODUCTS TO BE SUPPLIED AND INCUMBENT UPON SUPPLIER TO SUBSTANTIATE ACCORDINGLY (VIZ. PRODUCTS APPROVED IN ACCORDANCE WITH TRANSNET RAIL ENGINEERING APPROVAL PROCEDURE) BASIC REQUIREMENTS FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF AIRCON SYSTEM, VIZ: DAIKIN STANDARD INDOOR UNITS : FCQ 71 B 8V3B (OR FCQ 71 C VEB (ROUND FLOW)) CASSETTE TYPE EVAPORATOR UNITS (2 OFF), DAIKIN STANDARD INDOOR UNITS : BYC 125 K8W1B (OR BYCQ 140 CW1 (ROUND FLOW)) DE CO PANELS (2 OFF), DAIKIN STANDARD OUTDOOR UNITS : RZQ 71 B8V3B (OR RZQS 71 B8V3B) CONDENSER UNITS (3 OFF), STANDARD MOUNTING BRACKETS OF CONDENSER UNITS MOUNTED ON RUBBER PADS, INSTALLATION MATERIALS (COPPER PIPING, REFRIGERANT PIPING AND FITTINGS, INSULATION, ETC.), DRAIN PIPING FOR EVAPORATOR UNITS, ELECTRICAL HARNESS FROM CONDENSER TO EVAPORATOR, CONTROL WIRES FROM EVAPORATORS TO CONTROL PANELS, DAIKIN BRC1C62 CONTROLLERS (2 OFF), INSTALLATION AND COMMISSIONING OF UNITS, (NOTE: OUTSIDE OF SUPPLIER'S SCOPE OF SUPPLY - SUPPLY OF CONDENSER CRADLES (TWK12389 # SINGLE (2 OFF)) AND CONDENSER ISOLATING SWITCH (2 OFF)	No external document	yes	yes	factory inspection sample testing		
158	083002258	VALVE RELIEF;1/2 IN,P/N:1132051/5070 VALVE, RELIEF COMMERCIAL SIZE 1/2 IN P/N: 1132051/5070 KNORR BREMSE VALVE SAFETY TYPE DN10 G1/2B	No external document	yes	yes	yes		
158	083004989	COCK DRAIN;1/2 IN,P/N:139374 COCK, DRAIN DIMENSIONS 1/2 IN P/N: 139374 KNORR BREMSE SA (PTY) LTD A13,A6,A24,A25 6E 7E 8E	No external document	yes	yes	yes		
158	083020859	VALVE ISOLATING COCK 3/4" PLUG VALVE ISOLATING COCK 3/4" P/N: I26624 KNORR-BREMSE	No external document	yes	yes	yes		

158	083025648	COCK;AIR,1/2 IN,P/N:I/39381 COCK TYPE AIR CONNECTION SIZE 1/2 IN P/N: I/39381 KNORR BREMSE SA (PTY) LTD WITH VENT 7E 8E	No external document	yes	yes	yes		
158	012805130	MOLDING;FLAT BAR,AL,BRZ MOLDING TYPE FLAT BAR DIMENSIONS WD 31.7 MM X LG 6 M X THK 3 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER: 32274	No external document	yes	yes	yes		
158	013804543	DRAIN SINK;LA GIO BELLA CLICK,UNSLOTTED DRAIN, SINK; TYPE: LA GIO BELLA CLICK, DESIGN TYPE: UNSLOTTED, DIMENSIONS: 80 MM, MATERIAL: METAL, COLOR: CHROME; TOILET HAND WASH BASIN P/N BW202U	No external document	yes	yes	yes		
158	013808207	KIT;TOILET SYS PIPE CNCTR KIT; TYPE: TOILET SYSTEM PIPE CONNECTORS, APPLICATION: PHELOPEHA, COACH; KIT PER TOILET; 90 DEG AND 45 DEG BENDS; Y-JUNCTIONS AND STRAIGHT CONNECTORS; FITTINGS: (ALL 50 MM); 1) Y-JUNCTION 3 OFF; 2) 90 DEGREE BENDS 8 OFF; 3) 45 DEGREE BENDS 5 OFF; 4) WATER TRAP PIPE PACK 1 OFF; 5) STRAIGHT CONNECTORS 5 OFF	No external document	yes	yes	yes		
158	019101548	PAD CUSHIONING;ML TOKYO BOLSTER BUMPER PAD, CUSHIONING TYPE ML TOKYO BOLSTER BUMPER DIMENSIONS WD 88.5 X LG 177 X THK 18.35 MM MATERIAL RUBBER COLOR BLACK TYPE: KP1; A-1/AA-1; CARRIAGE PAD 3RD TYPE; STEEL BASE: 292.32 X 89.07 X 8.5MM THICK DRAWING NO: RSA078_001_203 REV 0	DRAWING NO: RSA078_001_203	yes	yes	yes		
158	013808208	BOWL TOILET;JETS 50 M FLR MOUNT,WHITE BOWL, TOILET; TYPE: JETS 50 M FLOOR MOUNTED, MATERIAL: PORCELAIN, COLOR: WHITE; DIMENSIONS: WD 382 X LG 535 X HT 465; TOTAL WEIGHT 22.3KG; VACUUM OR ELECTRONICALLY OPERATED	No external document	yes	yes	yes		
158	013808209	PUMP ASSY;JETS VACUUMARATOR 10NT AC PUMP ASSEMBLY; TYPE: JETS VACUUMARATOR 10NT AC, APPLICATION: TOILET SYSTEM; DIMENSIONS: WD 263 X LG 365 X HT 292; MATERIAL BRONZE A ND STAINLESS STEEL; WEIGHT 18KG; CAPACITY 100 FLUSHES PER HOUR; VOLTAGE 230V; OUTPUT 0.75KW; VTS CONTROLLER 230V VOD-54	No external document	yes	yes	yes		
158	019804448	PIPE NONMETAL;RBR,NPS118-120 MM,430 MM PIPE, NONMETALLIC; MATERIAL: RUBBER, NOMINAL PIPE SIZE DESIGNATION: 118-120 MM, LENGTH: 430 MM, WALL THICKNESS: 5 MM; SOIL CHUTE; M AINLINE SITTER COACH; SHORE HARDNESS 68-70; COLOUR: BLACK	No external document	yes	yes	yes		
158	027400677	SHEET NONMETALLIC;SERINGA 220 SNGL FACE SHEET, NONMETALLIC; TYPE: SERINGA 220 SINGLE FACE, THICKNESS: 1.2 MM, MATERIAL: FORMICA, WIDTH: 1.22 M, LENGTH: 2.44 M, COLOR: CRYSTAL; HIGH PRESSURE DECORATIVE LAMINATES; EUROPEAN STANDARDS EN 438 AND ISO 4586	No external document	yes	yes	yes		
158	012805131	MOLDING;DOOR FRAME TOILET,AL,NATURAL MOLDING TYPE DOOR FRAME TOILET DIMENSIONS WD 37.3 MM X LG 2.5 M X HT 21.8 MM MATERIAL ALUMINIUM COLOR NATURAL SECTION NUMBER: 32275	No external document	yes	yes	yes		
158	012805132	MOLDING;DOOR FRAME TOILET,AL,BRZ MOLDING TYPE DOOR FRAME TOILET DIMENSIONS WD 37.3 MM X LG 2.5 M X HT 21.8 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER: 32275	No external document	yes	yes	yes		
158	012805133	MOLDING;FLASHING MARLEY,AL,NATURAL MOLDING TYPE FLASHING MARLEY DIMENSIONS WD 40.67 MM X LG 2.5 M X HT 4.98 MM MATERIAL ALUMINIUM COLOR NATURAL SECTION NUMBER: 32276	No external document	yes	yes	yes		
158	012805134	MOLDING;FLASHING MARLEY,AL,BRZ MOLDING TYPE FLASHING MARLEY DIMENSIONS WD 40.67 MM X LG 2.5 M X HT 4.98 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER: 32276	No external document	yes	yes	yes		
158	012805135	MOLDING;DOOR,AL,NATURAL MOLDING TYPE DOOR DIMENSIONS WD 34.7 MM X LG 2.5 M X HT 4.2 MM MATERIAL ALUMINIUM COLOR NATURAL SECTION NUMBER: 32277	No external document	yes	yes	yes		

158	012805136	MOLDING;DOOR,AL,BRZ MOLDING TYPE DOOR DIMENSIONS WD 34.7 MM X LG 2.5 M X HT 4.2 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER: 32277	No external document	yes	yes	yes		
158	012805137	MOLDING;FLAT BAR,AL,NATURAL  MOLDING TYPE FLAT BAR DIMENSIONS WD 25.3 MM X LG 6 M X HT 3.4 MM MATERIAL ALUMINIUM COLOR NATURAL SECTION NUMBER:32278	No external document	yes	yes	yes		
158	012805138	MOLDING;FLAT BAR,AL,BRZ MOLDING TYPE FLAT BAR DIMENSIONS WD 25.3 MM X LG 6 M X HT 3.4 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER: 32278	No external document	yes	yes	yes		
158	012805139	MOLDING;Z-PROFILE,AL,NATURAL MOLDING TYPE Z-PROFILE DIMENSIONS WD 51.5 MM X LG 4 M X HT 34.3 MM MATERIAL ALUMINIUM COLOR NATURAL SECTION NUMBER:32279	No external document	yes	yes	yes		
158	012805140	MOLDING;Z-PROFILE,AL,BRZ MOLDING TYPE Z-PROFILE DIMENSIONS WD 51.5 MM X LG 4 M X HT 34.3 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER: 32279	No external document	yes	yes	yes		
158	013803637	BASE PLATE BODY;TOILET FLR BIN LH,0 BASE PLATE, BODY TYPE TOILET FLOOR BIN, LEFT HAND BASE PLATE MATERIAL FIBERGLASS DRAWING NO: PEC004A0195 REV 0	DRAWING NO: PEC004A0195	yes	yes	yes		
158	013803640	BASE PLATE BODY;TOILET FLR PAN RH BASE PLATE, BODY TYPE TOILET FLOOR PAN, RIGHT HAND BASE PLATE MATERIAL FIBERGLASS DRAWING NO: PEC004A0194 REV 0	DRAWING NO: PEC004A0194	yes	yes	yes		
158	012805141	MOLDING;EQUAL ANGLE,AL,NATURAL MOLDING TYPE EQUAL ANGLE DIMENSIONS WD 31.6 MM X LG 3.5 M X HT 31.6 MM MATERIAL ALUMINIUM COLOR NATURAL SECTION NUMBER:32280	No external document	yes	yes	yes		
158	012805142	MOLDING;EQUAL ANGLE,AL,BRZ MOLDING TYPE EQUAL ANGLE DIMENSIONS WD 31.6 MM X LG 3.5 M X HT 31.6 MM MATERIAL ALUMINIUM COLOR BRONZE SECTION NUMBER:32280	No external document	yes	yes	yes		
158	068050485	ASSEMBLY;FRICT SNUBBER,COACH M/LINE ASSEMBLY; TYPE: FRICTION SNUBBER, APPLICATION: COACH, MAINLINE; P/N: C624909, CONBRAKO (PTY) LTD; DRAWING NO: CME 253/13-A99, 0; SE AND SE1; CAST STEEL BOGIE	DRAWING NO: CME 253/13-A99	yes	yes	yes		
158	068066074	BRAKE BLOCK;H/FRICT GREEN,COACH BRAKE BLOCK; TYPE: HIGH FRICTION GREEN, APPLICATION: COACHES, FRICTION LINING MATERIAL: COMPOSITE; DRAWING NO: RS A005_006_704, LA; SPECIFICATION: RTS-SPC-0047, LA; FOR USE ON METRO RAIL SUBURBAN TRIALER COACHES 5M2-5M2A AND 10M5 FOR DURBAN COASTAL USE ONLY	DRAWING NO: RS A005_006_704 SPECIFICATION: RTS-SPC-0047,	yes	yes	yes		
158	013803756	SEAT WATER CLOSET;A1 DELUX,STD,WHITE SEAT, WATER CLOSET; TYPE: A1 DELUX, DIMENSIONS: STANDARD, MATERIAL: HEAVY DUTY PLASTIC, COLOR: WHITE; TOILET SEAT AND COVER HIGH TRAFFIC FLOW AREAS; DUTTON PLASTIC ENGINEERING - AND ITS ONLY AVAILABLE THROUGH THEIR AGENTS#	No external document	yes	yes	yes		
158	099836885	SHOCK ABSORBER;KONIOFF14803,MORNING STAR SHOCK ABSORBER; TYPE: PRIMARY DAMPER VERTICAL, COMMERCIAL SIZE: DIA 102 MM, MOUNTING STYLE: STUD, EXTENDED LENGTH: 450 MM, MAXIMUM FORCE: 10 KN, MAXIMUM CYCLES: 100 C/MIN, COMPRESSED LENGTH: 313 MM, STROKE: 137 MM; P/N: KONIOFF14803, MORNING STAR PROJECTS (PTY) LTD; TYPE 02V2517 FOR THE PASSENGER CARS WITH CHARACTERISTIC 0100277699.	No external document	yes	yes	yes		
158	099836884	SHOCK ABSORBER;KONIOFF14804,MORNING STAR SHOCK ABSORBER; TYPE: PRIMARY DAMPER VERTICAL, COMMERCIAL SIZE: DIA 102 MM, MOUNTING STYLE: STUD, EXTENDED LENGTH: 444 MM, MAXIMUM FORCE: 10.8 KN, MAXIMUM CYCLES: 100 C/MIN, COMPRESSED LENGTH: 310 MM, STROKE: 134 MM; P/N: KONIOFF14804, MORNING STAR PROJECTS (PTY) LTD	No external document	yes	yes	yes		
158	099836883	SHOCK ABSORBER;KONIOFF14805,MORNING STAR SHOCK ABSORBER; TYPE: SECONDARY DAMPER VERTICAL, COMMERCIAL SIZE: DIA 102 MM, MOUNTING STYLE: STUD, EXTENDED LENGTH: 442 MM, MAXIMU M FORCE: 7 KN, MAXIMUM CYCLES: 100 C/MIN, COMPRESSED LENGTH: 311 MM, STROKE: 131 MM; P/N: KONIOFF14805, MORNING STAR PROJECTS (PTY) LTD	No external document	yes	yes	yes		

158	099836882	SHOCK ABSORBER;KONIOFF14806,MORNING STAR SHOCK ABSORBER; TYPE: SECONDARY DAMPER VERTICAL, COMMERCIAL SIZE: DIA 102 MM, MOUNTING STYLE: STUD, EXTENDED LENGTH: 402 MM, MAXIMUM FORCE: 7 KN, MAXIMUM CYCLES: 100 C/MIN, COMPRESSED LENGTH: 290 MM, STROKE: 112 MM; P/N: KONIOFF14806, MORNING STAR PROJECTS (PTY) LTD	No external document	yes	yes	yes		
158	90002834	AIR SPRING VEHICULAR;BOLSTER SEC,RUBBER AIR SPRING, VEHICULAR; TYPE: BOLSTER SECOND, MATERIAL: RUBBER, DIMENSIONS: DIA 560 X HT 300 MM; MATERIAL NUMBER : 90002834 APPROVED ITEM NAME SPRING,AIR EQUIPMENT USED ON COACH A-2 AA-2 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 STORES DESCRIPTION BOLSTER SECONDARY SUSPENSION ~ SPRING,AIR;	No external document	yes	yes	yes		
158	90003738	VALVE,AIR PRESSURE RELIEF MATERIAL NUMBER : 90003738 APPROVED ITEM NAME VALVE,AIR PRESSURE RELIEF DRAWING NUMBER C 006-306-000/LATEST EQUIPMENT USED ON COACH A-2 AA-2 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 STORES DESCRIPTION RIGHT HAND LEVELLING VALVE TYPE LV3, COMPLETE TO DRG QUOTED OR DRG EL 5883	DRAWING NUMBER 006-306-000 DRG EL 5883	C	yes	yes	yes	
158	90000682	DAMPER VIBRATION;LATERAL, BOLSTER DAMPER, VIBRATION; TYPE: LATERAL, BOLSTER, APPLICATION: BLUE TRAIN;	No external document	yes	yes	yes		
158	890220142	DISC BRAKE;FRICTION,CS,B/TRAIN DISC, BRAKE; TYPE: FRICTION, DIMENSIONS: ID 181 X OD 590 X THK 110 MM, MATERIAL: CAST STEEL, APPLICATION: BLUE TRAIN; P/N: I/87278/181, KNORR BREMSE SA; DRAWING NO: B77853_1, LA, KNORR BREMSE SA; WITH GRAY CAST STEEL HUB, BORE DIAMETER MUST BE MANUFACTURED TO A H6 GRADE FIT	DRAWING NO: B77853_1, LA	yes	yes	yes		
158	090837001	REPAIR, UNIT;CONROD, 707903-021 REPAIR, UNIT, TYPE: CONNECTING ROD, 707903-021, ADDITIONAL TASK: ASSEMBLE/TESTING/CLEANING; BLUE TRAIN SETS 751 AND 750,POWER CAR, PASSENGER/DINING/LOUNGE/KITCHEN COACHES	No external document	yes	yes	yes		
158	046830816	CASTING;FRAME ASSY,LG 2.134 M CASTING; TYPE: FRAME ASSEMBLY, DIMENSIONS: LG 2.134 M; DRAWING NO: A0 83-52002, 0; COACHES TYPE C9, C10, D2; COMMENWEALTH	DRAWING NO: A0 83-52002, 0	yes	yes	yes		
158	068824088	SUPPORT;TIE BAR PEDESTAL SUPPORT; TYPE: TIE BAR PEDESTAL, DIMENSIONS: WD 130 X LG 457 X THK 16 MM, MATERIAL: MILD STEEL GRADE CME 9.5YM 7; DRAWING NO: A4 83-39117, LA	DRAWING NO: A4 83-39117, LA	yes	yes	yes		
158	090836913	VALVE;PRESS DIFF,B/TRAIN VALVE; TYPE: PRESSURE DIFFERENTIAL, APPLICATION: BLUE TRAIN; P/N: D5900, SUMITOMO	No external document	yes	yes	yes		
158	046830817	CASTING;BOLSTER ASSY,LG 2.134 M CASTING; TYPE: BOLSTER ASSEMBLY, DIMENSIONS: LG 2.134 M; DRAWING NO: A0 83-52009, LA; COACHES TYPE C9, C10, D2; COMMENWEALTH	DRAWING NO: A0 83-52009, LA	yes	yes	yes		
158	046831307	CASTING;SPRING PLANK,WD 750 MM CASTING; TYPE: SPRING PLANK, DIMENSIONS: WD 750 MM, APPLICATION: BOTSWANA COACHES; DRAWING NO: A1 83-52008, LA	DRAWING NO: A1 83-52008, LA	yes	yes	yes		
158	046831308	CASTING;EQUALIZER SPRING SEAT,WD 280 MM CASTING; TYPE: EQUALIZER SPRING SEAT, DIMENSIONS: WD 280 MM, APPLICATION: BOTSWANA COACHES; DRAWING NO: A3 83-39095, LA	DRAWING NO: A3 83-39095, LA	yes	yes	yes		
158	046831309	CASTING;SWING HANGER BRG,WD 95 MM CASTING; TYPE: SWING HANGER BEARING, DIMENSIONS: WD 95 MM, APPLICATION: BOTSWANA COACHES; DRAWING NO: A4 83-39111, LA	DRAWING NO: A4 83-39111, LA	yes	yes	yes		
158	068002412	BRAKE BLOCK;H/FRICT GREEN,COACH BRAKE BLOCK; TYPE: HIGH FRICTION GREEN, APPLICATION: COACHES, FRICTION LINING MATERIAL: COMPOSITE; DRAWING NO: RS A005-006-704, LA; SPECIFICATION: RTS-SPC-0047, LA; FOR USE ON METRO RAIL SUBURBAN TRAILER COACHES 5M2-5M2A AND 10M5 FOR CAPE TOWN AND PE COASTAL USE ONLY	SPECIFICATION: RTS-SPC-0047, LA DRAWING NO: RS A005-006-704, LA;	yes	yes	yes		
158	083822353	BRAKE BLOCK;H/FRICT PAINT GREEN BRAKE BLOCK; TYPE: HIGH FRICTION PAINTED GREEN, APPLICATION: PRASA TRAILER COACHES, FRICTION LINING MATERIAL: COMPOSITE; P/N: FUF18 /E39, METPRO; SPECIFICATION: RTS-SPC-0047, 0; MAKERS DRAWING NO. M003-00-00-R6	SPECIFICATION: RTS-SPC-0047, 0	yes	yes	yes		
158	090837319	KIT;ANTI-SKID,BT KIT; TYPE: ANTI-SKID, APPLICATION: BLUE TRAIN; P/N: STW02643, KNORR BREMSE SA; SPECIFICATION: BBH0071, LA; GENERATOR DEVICE GS-NO. KIT CONSIST OF: 1. POLE WHEEL ASSEMBLE, STW01649, QTY 1 OFF; 2. HEX. HD BOLT M8X85-8.8 DIN931, 451769, QTY 4 OFF; 3. GASKET, 4A7468 8/1, QTY 1 OFF; 4. CONNECTING CASE, 2A96360, QTY 1 OFF; 5. GASKET, 4A96431, QTY 1 OFF; 6. COUPLING DISC, 3A96361, QTY 1 OFF; 7. COUPLING RING, 3A77000, QTY 1 OFF; 8. DRIVING DISC, 3A83173, QTY 1 OFF; 9. SPRING WASHER 8, DIN7980, 454124, QTY 8 OFF; 10. CAP SCREW M8X30-10.5 DIN912, 456495, QTY 4 OFF; 11. ROUND CORD RING,5A39220, QTY 1 OFF; 12. PLUG,4A78619/1, QTY 1 OFF; 13. COVER, 4A78620, QTY 1 OFF;	SPECIFICATION: BBH0071, LA	yes	yes	yes		

158	090838832	CYLINDER ASSEMBLY;170258/116MX;AIRBRAKE  CYLINDER ASSEMBLY; TYPE: AIRBRAKE; P/N: 170258/116MX, KNORR BREMSE SA; BRAKE 8 INCH WITHOUT PARK BRAKE; USE ON BLUE TRAIN COACHES	No external document	yes	yes	yes		
158	068834507	BLOCK;FILLER PEDISTAL,WD:65 MM,LG:286 MM BLOCK, TYPE: FILLER PEDISTAL,WD:65 MM, LENGTH: 286 MM, HEIGHT: 63.5 MM, MATERIAL: STEEL	No external document	yes	yes	yes		
158	068052371	SPRING HELICAL COMPRESS;OD:305 MM,BOGIE SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 305 MM, SPRING FREE LENGTH: 420 MM, APPLICATION: BOGIE, SPRING MATERIAL: STEEL CME 140, INSIDE DIAMETER: 205 MM, WIRE DIAMETER: 50 MM, TYPE: OUTER; DRAWING NO: CME 68/28473-361, LA; BOL 6'9" FT 3CL T/C (BOGIE4); 3 BOLSTER OUT; WOODHEAD HEAVY COILING	DRAWING NO: CME 68/28473-361, LA	yes	yes	yes		
158	068051013	SPRING 36mm BOL 7'0" FT 1CL T/C (BOGIE4) SPRING 36mm BOL 7'0" FT 1CL T/C (BOGIE4) SPRING 1 COIL 36MM 7FT BOGIE CME68/28259-361	CME68/28259-361	yes	yes	yes		
158	068051025	SPRING 48mm EQL 7'0" FT 1CL T/C (BOGIE8) SPRING 48mm EQL 7'0" FT 1CL T/C (BOGIE8) SPRING 1 HELICAL COMPRESS 48MM 7FT BOGIE CME68/028260-361	CME68/028260-361	yes	yes	yes		
158	068050841	SPRING HELICAL COMPRESS;STL;PLUNGER SPRING, HELICAL, COMPRESSION; SPRING MATERIAL: STEEL, TYPE: PLUNGER; 12.5X69X305 S/PLUNGER STEEL ENDS FORGED OIL-TEMPERED WIRE TO DIN17223 PART 2 (SEPTEMBER 1990) TO GRADE FD SICR FOR THE COLD COILING PROCESS OF SPRING	No external document	yes	yes	yes		
158	90002620	SET;LINING FRIC,BT COACH SET; TYPE: LINING FRICTION, APPLICATION: BLUE TRAIN COACH; LINING MATERIAL: COMPOSITE, SURFACE 175 SQUARE CM FOR 2 PART PADS AND 3 50 SQUARE CM FOR ONE PART PADS; SPECIFICATION: UIC 541-3 APPENDIX A.2 AND I 2; BRAKE PAD TYPE S ORGANIC UIC 541-3 ACCORDING TO CL AUSE 2.2.2.1 CATEGORY 4 FOR GREY CAST IRON DISC BRAKES, SET DESCRIPTION; LEFT AND RIGHT PADS AND TOP AND BOTTOM PARTS SEPARATE OR TOGETHER IN ONE PIECE (COMPLETE SET OF PADS FOR ONE DISC)	SPECIFICATION: UIC 541-3	yes	yes	yes		
no	067810243	KIT; TYPE: ELECTRONIC END SLIDING DOOR, APPLICATION: COACH, MAINLINE; DRAWING NO: NS 10502-00-000, 0, SIYAHAMBA ENGINEERING (PTY) LTD; CONSIST OF: 1 OF DOOR MECHANISM; 1 SET OF SLIDING DOORS; 1 OF ELECTRONIC CONTROLLER; ELECTRIC MOTOR; PUSH BUTTONS	No external document	yes	yes	Factory audit testing		
158	90001145	GAUGE,PRESSURE,DIAL INDICATING MATERIAL NUMBER : 90001145 APPROVED ITEM NAME GAUGE,PRESSURE,DIAL INDICATING EQUIPMENT USED ON COACH A-2 AA-2 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 MAKERS PART NUMBER KB2064 KNORR-BREMSE STORES DESCRIPTION SINGLE,SKV54837,ITEM F6 (150 PS)	No external document	yes	yes	yes		
158	068050966	SPRING HELICAL COMPRESS;OD:224 MM,COACH SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 224 MM, SPRING FREE LENGTH: 399 MM, APPLICATION: COACHES, SPRING MATERIAL: STEEL CME E 140, INSIDE DIAMETER: 148 MM, WIRE DIAMETER: 38 MM, NUMBER OF TURNS: 3, TYPE: INNER; DRAWING NO: CME68/28255-361, LA; BOL 7'0" FT 3CL T/C (BOGIE4); COMP RSE DBN	DRAWING NO: CME68/28255-361, LA	yes	yes	yes		
158	068050978	SPRING HELICAL COMPRESS;OD:248 MM,M/C 5M2A SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 248 MM, SPRING FREE LENGTH: 310 MM, APPLICATION: MOTOR COACH 5M2A, SPRING MATERIAL: STEEL CME 140, INSIDE DIAMETER: 152 MM, WIRE DIAMETER: 48 MM, NUMBER OF TURNS: 3, TYPE: OUTER; DRAWING NO: CME68/28256-361, LA; EQL 7'0" FT 3CL T/C (BOGIE8)	DRAWING NO: CME68/28256-361, LA	yes	yes	yes		
158	068050991	SPRING HELICAL COMPRESS;OD:140 MM,5M2A M/C SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 140 MM, SPRING FREE LENGTH: 310 MM, APPLICATION: 5M2A MOTOR COACH, SPRING MATERIAL: STEEL CME 140, INSIDE DIAMETER: 80 MM, WIRE DIAMETER: 30 MM, NUMBER OF TURNS: 3, TYPE: INNER; DRAWING NO: CME68/28257-361, LA; EQL 7'0" FT 3CL T/C (BOGIE8); COMP RSE DBN	DRAWING NO: CME68/28257-361, LA	yes	yes	yes		
158	90015443	DISC, VALVE; P/N: 4A58313, KNORR-BREMSE; MATERIAL NUMBER : 90015443 APPROVED ITEM NAME DISC,VALVE EQUIPMENT USED ON BLUE TRAIN A-2 AA-2 ASP-1 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 MAKERS PART NUMBER 4A58313 KNORR-BREMSE STORES DESCRIPTION PLATE,VALVE,1/25025 COMPLETE PRESSURE REDUCING VALVE DMV 7/7.5 BRAKE EQUIPMENT	No external document	yes	yes	yes		
158	068050954	SPRING HELICAL COMPRESS;TURN QTY:3 N/A SPRING, HELICAL, COMPRESSION; NUMBER OF TURNS: 3 N/A; 55MM BOL 7'0" FT 3CL T/C (BOGIE4); COMP RSE DBN	No external document	yes	yes	yes		
158	069003479FM	AXLE RAILWAY;R6 FINISH,LG:1.832 M,STL AXLE, RAILWAY; TYPE: R6 FINISHED, AXLE OVERALL LENGTH: 1.832 M, MATERIAL: STEEL, CLASS: R6-TYPE, APPLICATION: TRAILER COACH; AXLE CONFORMING TO SPOORNET SPECIFICATION RS/ME/SP/002; AXLES WILL BE SUPPLIED FINISH MACHINED TO DRAWING NO. CME 463/12-829 EXCEPT FOR THE ROUGH MACHINED WHEELSEATS CONFORMING TO DRAWING NO. CME69_00143_829 LATEST AND THE AXLE ENDED AND CENTRED WITH THE ENDS IN THE DRILLED AND TAPPED CONDITION.	DRAWING NO. CME69_00143_829 SPECIFICATION RS/ME/SP/002	yes	yes	yes		
158	068051001	SPRING 50mm BOL 7'0" FT 1CL T/C (BOGIE4) SPRING 50mm BOL 7'0" FT 1CL T/C (BOGIE4) SPRING HELICAL COMPRESSION 50 7.0FT BOGIE CME68/28258-361	CME68/28258-361	yes	yes	yes		

158	127400663	SHEET NONMETALLIC;LOGLARE 700 DBL DECOR SHEET, NONMETALLIC TYPE LOGLARE 700 DOUBLE DECOR THICKNESS 4.5 MM MATERIAL FORMICA WIDTH 1.22 M LENGTH 2.44 M COLOR BLUSH WILD PEAR P/N: HBST700670IM PG BISON HIGH PRESSURE DECORATIVE LAMINATES; EUROPEAN STANDARD EN 438 AND ISO 4586	No external document	yes	yes	yes		
158	127400670	SHEET NONMETALLIC;THK 1.2 MM,FORMICA SHEET, NONMETALLIC TYPE LOGLARE 700 SINGLE FACE THICKNESS 1.2 MM MATERIAL FORMICA WIDTH 1.22 M LENGTH 2.44 M COLOR BLUSH WILD PEAR APPLICATION P/N: HAST700075IM PG BISON HIGH PRESSURE DECORATIVE LAMINATES; EUROPEAN STANDARDS EN 438 AND ISO 4586	No external document	yes	yes	yes		
158	138201940	WINDOW VEHICLE;TOILET, HALF DROP, GLASS WINDOW, VEHICULAR; TYPE: TOILET, HALF DROP, MATERIAL: GLASS, COLOR: GRAPHITE GRAY, APPLICATION: TOILET, SPECIAL FEATURES: COMPLETE WITH SHROUD; FRAME TO BE POWDER COATED; RAL 7024; WITHOUT LOGO	No external document	yes	yes	yes		
158	167033275	KIT; TYPE: DOOR END SLIDING ELECTRICAL, APPLICATION: SHOSHOLAZA MEYL; SITTER; CONSISTS OF THE FOLLOWING : 1) END DOOR RHS DRG. NS05 520-LS-GCO 2) END DOOR LHS DRG. NS05521-RS-GCO DOORS FINISHING SPEC SOLID WINDOW GLASS CLEAR 3) END DOOR SLIDING DOORGEAR DRG. NS10 501-00-000; ELECTRONIC DOOR GEAR	No external document	yes	yes	yes		
158	895400465	INSULATION THERMAL;GLASS FIBER FOIL INSULATION, THERMAL; MATERIAL: GLASS FIBER FOIL, DIMENSIONS: WD 1.2 M X LG 5 M X THK 50 MM; ONE SIDE (ENERGYLITE OR SIMILAR) CLASS: 10M3, 10M5 AND 10M251, 47.5 KG/M3 MUST CONFORM TO SPECIFICATION:- SABS 0177 PART V AND FIRE INDEX SABS 0177 PART III (CLASS I)	SPECIFICATION:- SABS 0177 PART V	yes	yes	yes		
158	527663934	PANELYTE BAL. WHITE SATIN 4.5 PANELYTE BAL. WHITE SATIN 4.5 1220X2440: NEMA PUB.LD3 1980	No external document	yes	yes	yes		
158	085101448	GENERATOR AC,PWR CAR PHELOPHEPA,DIESEL GENERATOR, ALTERNATING CURRENT; TYPE: POWER CAR PHELOPHEPA, FUEL TYPE: DIESEL, POWER RATING: 200 KW, WINDING TYPE: BS2757; GENSETS POWER CAR FOR PHELOPHEPA TRAINSET 2, TECHNICAL SPEC. PD-PDC-NAT-SPEC-0104	TECHNICAL SPEC: PD-PDC-NAT- SPEC-0104	yes	yes	Factory audit		
158	009000319	COATING COMPOUND;TAR,EPOXY,5 L COATING COMPOUND; TYPE: TAR, PHYSICAL FORM: EPOXY, CONTAINER CAPACITY: 5 L; TWO-PACK BLACK, SPEC NO: CSS183/13.04 ; BATCH TEST CERT. TO BE SUPPLIED WITH MATERIAL PAINT EPD 100 PLEASE NOTE:- THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED	SPEC NO: CSS183/13.04 ; RS- ME-SP-009	yes	yes	yes		
158	567410175	DOOR VEHICULAR;INTM LH,COACH M/LINE DOOR, VEHICULAR; TYPE: INTERMEDIATE LEFT HAND, APPLICATION: COACH, MAINLINE; INTERMEDIATE M/LINE COACH L/H	No external document	yes	yes	yes		
158	085802416	KIT;KEI RAIL CATERING CAR, EX E2 KIT; TYPE: KEI RAIL CATERING CAR, EX E2, APPLICATION: 10; CUS OD AIRCONS, X2 CAS; S0; CUSTOMISED OUTDOOR (OD) AIRCON SYSTEM (X2 CAS SETTES (CAS)) SERIES (S) 0, 8KW (NOMINAL) CUSTOMISED TYPE CONDENSOR- AND STANDARD EVAPORATOR- UNITS. ONLY APPROVED PRODUCTS TO BE S UPPLIED AND INCUMBENT UPON SUPPLIER TO SUBSTANTIATE ACCORDINGLY (VIZ. PRODUCTS APPROVED IN ACCORDANCE WITH TRANSNET RAIL ENGINEERIN G APPROVAL PROCEDURE) BASIC REQUIREMENTS FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF AIRCON SYSTEM, VIZ: DAIKIN STANDARD INDO OR UNITS : FCQ 71 B 8V3B (OR FCQ 71 C VEB (ROUND FLOW)) CASSETTE TYPE EVAPORATOR UNITS (2 OFF) DAIKIN STANDARD INDOOR UNITS : BYC 1 25 8BW1B (OR BYCQ 140 CW1 (ROUND FLOW)) DECO PANELS (2 OFF) DAIKIN CUSTOMISED OUTDOOR UNITS : RZQ 71 88V3B (OR RZQS 71 88V3B) CONDE NSER UNITS (3 OFF) STANDARD MOUNTING BRACKETS OF CONDENSER UNITS MOUNTED ON RUBBER PADS INSTALLATION MATERIALS (COPPER PIPING, REFR IGERANT PIPING AND FITTINGS, INSULATION, ETC.) DRAIN PIPING FOR EVAPORATOR UNITS ELECTRICAL HARNESS FROM CONDENSER TO EVAPORATOR CO NTROL WIRES FROM EVAPORATORS TO CONTROL PANELS DAIKIN BRCC62 CONTROLLERS (2 OFF) INSTALLATION AND COMMISSIONING OF UNITS (NOTE : O UTSIDE OF SUPPLIER'S SCOPE OF SUPPLY - SUPPLY OF CONDENSER CRADLES (TWK12389 SINGLE (2 OFF)) AND CONDENSER ISOLATING SWITCH (2 OFF).	No external document	yes	yes	yes		
158	009014504	PAINT PRIMER;HIBIT MTL,RED,EMULSION PAINT, PRIMER TYPE HIBIT METAL COLOR RED SPECIAL FEATURES EMULSION P/N: NS4 PLASCON	RS-ME-SP-009	yes	yes	yes		
158	809130447	PAINT POLYURETHANE WATER BLUE RAL5021 PAINT POLYURETHANE WATER BLUE RAL5021 (CATALYST INCLUDED) SLT  PLEASE NOTE:- THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED	RS-ME-SP-009	yes	yes	yes		

158	009022967	PAINT ACRYLIC PAINT, ACRYLIC; PAINT POLY ACRYL HG SIGNAL RED SIGNAL RED SL PLEASE NOTE:- THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED; MSDS SHEET TO BE ISSUED WITH EVERY DELIVERY - MSDS :16 POINTS AS PER SANS 11014	RS-ME-SP-009	yes	yes	yes		
158	809120185	PAINT LATEX;PLASCOTHANE;MOUSE GRAY;250 G PAINT, LATEX; TYPE: PLASCOTHANE, COLOR: MOUSE GRAY, CONTAINER SIZE: 250 G; OR 5% BY VOLUME APU31 PLEASE NOTE: THIS MATERIAL WILL N OT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVE RED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED; RAWL 7005	RS-ME-SP-009	yes	yes	yes		
158	109400300	PAINT WATER;PU;GREEN;SAT 612;UNKNOWN PAINT, WATER; TYPE: POLYURETHANE, COLOR: GREEN; P/N: SAT 612, UNKNOWN; SPECIFICATION: RS/ME/SP/009, ITEM: 0; TWO PACK, RAL 200/50/4 5 SPEC RS/ME/SP/009 PART 6	SPEC RS/ME/SP/009 PART 6	yes	yes	yes		
158	109400299	PAINT WATER;PU;PURPLE;SAT 611;UNKNOWN PAINT, WATER; TYPE: POLYURETHANE, COLOR: PURPLE; P/N: SAT 611, UNKNOWN; SPECIFICATION: RS/ME/SP/009, ITEM: 0; TWO PACK; 35; SPEC RS/ME/SP/009 PART 6	SPEC RS/ME/SP/009 PART 6	yes	yes	yes		
158	109400301	PAINT WATER;PU;YELLOW;SAT 613;UNKNOWN PAINT, WATER; TYPE: POLYURETHANE, COLOR: YELLOW; P/N: SAT 613, UNKNOWN; SPECIFICATION: RS/ME/SP/009, ITEM: 0; TWO PACK, 80; SPEC RS/ME/SP/009 PART 6	SPECIFICATION: RS/ME/SP/009 SPEC RS/ME/SP/009 PART 6	yes	yes	yes		
158	009400454	PAINT ACRYLIC;PVA;LIGHT GRAY;RAL 7035 PAINT, ACRYLIC; TYPE: POLYVINYL ACETATE, COLOR: LIGHT GRAY, COLOR CODE: RAL 7035, FINISH: MATT, CONTAINER CAPACITY: 5 L, CONTAINER TYPE: TIN; 2 PACK UP	SPECIFICATION: RS/ME/SP/009 SPEC RS/ME/SP/009 PART 6	yes	yes	yes		
158	009130381	PAINT OIL;ENAMEL;WHITE;GLOSS;20 L;DRUM PAINT, OIL; TYPE: ENAMEL, COLOR: WHITE, FINISH: GLOSS, CONTAINER SIZE: 20 L, CONTAINER TYPE: DRUM; PAINT BODYGAURD PLASCON SATS20 ; PLASCON WHITE; CRANE WHITE; SATS20 FOR 10MS MOTOR COACH M/ROOM PLEASE NOTE: THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET T RANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED	SPECIFICATION: RS/ME/SP/009 SPEC RS/ME/SP/009 PART 6	yes	yes	yes		
158	009012768	VARNISH OIL;CLEAR VARNISH, OIL; COLOR: CLEAR; POLYURETHANE	SPECIFICATION: RS/ME/SP/009 SPEC RS/ME/SP/009 PART 6	yes	yes	yes		
158	069005506	BEARING ROLLER;SINGL;ID:216.4 MM BEARING, ROLLER; P/N: 530994, FAG SA (PTY) LTD JOHANNESBURG, P/N: LM742710-LM742747, ROW: SINGLE, INSIDE DIAMETER: 216.4 MM ;OUTSIDE DIAMETER: 285.75 MM, WIDTH: 49.27 MM; COMM END 5M2AR, 15E, 19E;	No external document	yes	yes	yes		
158	869500029	BEARING;S15473A;UNKNOWN;DOC: S15473A,0,0 BEARING; P/N: S15473A, UNKNOWN; DRAWING NO: S15473A, 0, ITEM: 0; BLUE TRAIN	DRAWING NO: S15473A,	yes	yes	yes		
158	885800341	TAG MARKER;JET ID;PLASTIC;WHITE TAG, MARKER TYPE JET ID MATERIAL PLASTIC COLOR WHITE DIMENSIONS WD 4 X LG 15 MM PACKAGE TYPE BOX 3000 P/N: SA4X15 GRAFOPLAST PLEASE NOTE: TRANSNET RAIL ENGINEERING	No external document	yes	yes	yes		
158	827400013	PLYWOOD CONSTRUCT;MARINE;SHT WD:1233 MM PLYWOOD, CONSTRUCTION; TYPE: MARINE, SHEET WIDTH: 1233 MM, SHEET LENGTH: 2700 MM, COLOR: STANDARD; THK 18MM ; B5 6566 1985 or latest TYPE WBP (EACH BOARD SHALL BE MARKED ON BACK OR EDGE WITH THE FOLLOWING) A) MANUFACTURES NAME OR MARK B) COUNTRY OF MANUFACTURE C) STANDARD B5 1088 D) THE SPECIFIED THICKNESS OF THE BOARD, B5 6566 DIN 68705	No external document	yes	yes	yes		
158	567410176	DOOR VEHICULAR;INTM RH;COACH M/LINE DOOR, VEHICULAR; TYPE: INTERMEDIATE, RIGHT HAND, APPLICATION: COACH, MAINLINE; INTERMEDIATE M/LINE COACH R/H	No external document	yes	yes	yes		
158	567664421	WINDOW VEHICLE;HALF DROP;GLASS WINDOW, VEHICULAR; TYPE: HALF DROP, MATERIAL: GLASS, COLOR: GRAY TINTED, APPLICATION: MAINLINE MK IV; MK IV, M/L, EXCLUDING SHROUD AND BLIND; TO BE POWDER COATED, RAL 7024 WITHOUT LOGO SPEC. MAINLINE COACH BLOEMFONTEIN SLIDING TOP SECTION TO BE LOCKABLE AS PER S PEC DOCUMENT ML/TE/SPC/0001 REV NO: 04 FILE REF: 15/6/11/1/9/1 DATE 2007/04/19	ML/TE/SPC/0001	yes	yes	yes		
158	567664423	VENETIAN BLIND;GRAPHITE GRAY VENETIAN BLIND, COLOR: GRAPHITE GRAY, NUSTART; INCLUDING SHROUD, SUPPLIED IN BLOEMFONTEIN	No external document	yes	yes	yes		
158	062809222	ASSEMBLY;CAR CONT. DEVICE;STAND ALONE ASSEMBLY; TYPE: CAR CONTROL DEVICE, STAND ALONE, APPLICATION: AIRBRAKE SYSTEM; P/N: 778451, KNORR-BREMSE SA (PTY) LTD; SEE P/N. 785 869; USED ON JUMBO WAGON; FOR EPC PROJECT	No external document	yes	yes	yes		
158	085808912	CABLE ASSEMBLY;P/N:782596-0043 CABLE ASSEMBLY INTER VEHICLE; USE ON JUMBO WAGON; FOR EPC PROJECT	No external document	yes	yes	yes		
158	085808913	CABLE ASSY;TRAINLINE;JUMBO WAGON CABLE ASSEMBLY; TYPE: TRAINLINE; P/N: 781744, KNORR-BREMSE; FOR EPC PROJECT; USE ON JUMBO WAGON	No external document	yes	yes	yes		
158	085808914	ASSEMBLY;JUNCTION BOX MOD;JUMBO WAGON ASSEMBLY; TYPE: JUNCTION BOX MODULE, APPLICATION: JUMBO WAGON; P/N: 783028, KNORR-BREMSE; FOR EPC PROJECT	No external document	yes	yes	yes		
158	085808915	ASSEMBLY;JUNCTION BOX;JUMBO WAGON ASSEMBLY; TYPE: JUNCTION BOX, APPLICATION: JUMBO WAGON; P/N: 783027, KNORR-BREMSE; LID WITH DRAIN, COMPRESSION GLAND ADAPTOR ASSEMB LY; FOR EPC PROJECT	No external document	yes	yes	yes		
158	085808916	VALVE;EP 60 VENT;JUMBO WAGON;MEDIA-AIR VALVE; TYPE: EP 60 VENT, APPLICATION: JUMBO WAGON, MEDIA FOR WHICH DESIGNED: AIR; P/N: 783020, KNORR-BREMSE; JUMBO WAGONS ROTARY END	No external document	yes	yes	yes		

158	069834894	WHEEL RAILWAY;BT SOLID,ID:164 MM,863 MM WHEEL, RAILWAY; TYPE: BLUE TRAIN SOLID, INSIDE DIAMETER: 164 MM, OUTSIDE DIAMETER: 863 MM, MATERIAL: STEEL; DRAWING NO: RS A010-001 -130, LA; SPECIFICATION: RS/ME/SP/021, LA; COMSTEEL OR LUCCHINI SOLID; ROUGH BORE OF 164MM TWO WEAR TYPE MANUFACTURED IN ACCORDANCE WITH AND FROM MATERIAL CONFORMING TO SPOORNET SPECIFICATION FOR WROUGHT STEEL WHEELS; COMSTEEL DRAWING A-LE15.2-166 LATEST; LUCCH INI DRAWING 66L206_1 REV 0 OF 25-11-2003	DRAWING NO: RS A010-001 -130, LA SPECIFICATION: RS/ME/SP/021, LA	yes	yes	yes		
158	085808918	CABLE ASSY;784370,KNORR-BREMSE CABLE ASSEMBLY; P/N: 784370, KNORR-BREMSE; INTER VEHICLE; USE ON JUMBO WAGON; FOR EPC PROJECT	No external document	yes	yes	yes		
158	062829919	KIT;UIC AIRBRAKE SYS,BOTSWANA COACH KIT, TYPE: UIC AIRBRAKE SYSTEM, APPLICATION: BOTSWANA COACH; SPECIFICATION: PD-PDC-NAT-SPEC-0291, LA	SPECIFICATION: PD-PDC-NAT- SPEC-0291, LA	yes	yes	yes		
158	085808923	CABLE ASSY;AIRBRAKE HOSE SUPPT CABLE ASSEMBLY; TYPE: AIRBRAKE HOSE SUPPORT; P/N: 234-00001, WABTEC; CABLE RESTRAINT-ECP, LANYARD; FOR EPC PROJECT; USE GONS	No external document	yes	yes	yes		
158	067831193	COOLER DRINKING WATER;CHILLMASTER,346 MM COOLER, DRINKING WATER; TYPE: CHILLMASTER, VOLUME CAPACITY: 42 LB/HR, WIDTH: 346 MM, HEIGHT: 905 MM, POTENTIAL: 220 TO 230 V, CURRE NT: 1.2 A; DEPT: 220 MM; 50 HZ; SINGLE PHASE; BOTSWANA COACH	No external document	yes	yes	yes		
158	90010274	BUSHING,SLEEVE MATERIAL NUMBER : 90010274 APPROVED ITEM NAME BUSHING,SLEEVE DRAWING NUMBER D006-279-000/LATEST IT 3 EQUIPMENT USED ON COACH A-2 AA-2 ASP-1 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 MAKERS PART NUMBER 4A96488 KNORR-BREMSE STORES DESCRIPTION ID 36 MM,OD 45 MM,35 MM LONG NYLATRON BOGIE BRAKE LINKAGE	DRAWING NUMBER D006- 279-000/LATEST IT 3	yes	yes	yes		
158	055830380	KIT;EMERG BACK-UP PWR SYS,BOTSWANA COACH KIT; TYPE: EMERGENCY BACK-UP POWER SYSTEM, APPLICATION: BOTSWANA COACH; CONSIST OFF- AN INVERTER; BATTERY PACK, BATTERY CHARGER; DI SPLAY STATUS INDICATOR OF THE SYSTEM (OPTIONAL); EACH COMPONENT CHARACTERISC TO HAVE A PROTECTION DEVICE/DISCONNECT DEVICE IN FORM OF A CIRCUIT BREAKER OR A RESETABLE FUSE	PD-PDC-NAT-SPEC-0299	yes	yes	yes		
158	90010286	BUSHING SLEEVE;BOGIE,ID:23 MM,OD:30 MM BUSHING, SLEEVE; TYPE: BOGIE, INSIDE DIAMETER: 23 MM, OUTSIDE DIAMETER: 30 MM, OVERALL LENGTH: 19 MM, MATERIAL: NYLATRON	No external document	yes	yes	yes		
158	90010363	BUSHING,SLEEVE MATERIAL NUMBER : 90010363 APPROVED ITEM NAME BUSHING,SLEEVE EQUIPMENT USED ON COACH A-2 AA-2 ASP-1 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 MAKERS PART NUMBER 4A96486 STORES DESCRIPTION ID 23 MM OD 30 MM 28 MM LONG NYLATRON BOGIE BRAKE LINKAGE	No external document	yes	yes	yes		
158	90010314	BUSHING SLEEVE;BOGIE,ID:23 MM,OD:30 MM BUSHING, SLEEVE; TYPE: BOGIE, INSIDE DIAMETER: 23 MM, OUTSIDE DIAMETER: 30 MM, OVERALL LENGTH: 23 MM, MATERIAL: NYLATRON	No external document	yes	yes	yes		
158	90010262	BUSHING,SLEEVE MATERIAL NUMBER : 90010262 APPROVED ITEM NAME BUSHING,SLEEVE EQUIPMENT USED ON COACH A-2 AA-2 ASP-1 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 MAKERS PART NUMBER 4A96485 KNORR-BREMSE STORES DESCRIPTION SLEEVE ID 23 MM OD 30 MM X 35 MM LONG NYLATRON GS BOGIE BRAKE LINKAGE	No external document	yes	yes	yes		

158	90010302	BUSHING,SLEEVE MATERIAL NUMBER : 90010302 APPROVED ITEM NAME BUSHING,SLEEVE  EQUIPMENT USED ON COACH A-2 AA-2 ASP-1 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 MAKERS PART NUMBER STORES DESCRIPTION ID 36 MM OD 45 MM 19 MM LONG NYLATRON BOGIE BRAKE LINKAGE	No external document	yes	yes	yes		
158	90010351	BUSHING,SLEEVE MATERIAL NUMBER : 90010351 APPROVED ITEM NAME BUSHING,SLEEVE DRAWING NUMBER D006-279-000/LATEST ITEM 2 EQUIPMENT USED ON COACH A-2 AA-2 ASP-1 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 MAKERS PART NUMBER 4A96484 KNORR-BREMSE STORES DESCRIPTION ID 26 MM OD 33 MM 35 MM LONG NYLATRON BOGIE BRAKE LINKAGE	DRAWING NUMBER D006-279-000/LATEST ITEM 2	yes	yes	yes		
158	90010298	BUSHING,SLEEVE MATERIAL NUMBER : 90010298 APPROVED ITEM NAME BUSHING,SLEEVE  EQUIPMENT USED ON COACH A-2 AA-2 ASP-1 B-10 C-1 C-2 C-3 C-4 GC-1-C K-1 STORES DESCRIPTION BUSH NYLATRON ID 23 OD 30 X 38 MM LONG BOGIE BRAKE LINKAGE	No external document	yes	yes	yes		
158	067814448	SEAT VEHICULAR;URBAN 2000,MOULDED HDPE SEAT, VEHICULAR TYPE URBAN 2000 SEAT MATERIAL MOULDED HIGH DENSITY POLYETHYLENE COLOR GRAY DIMENSIONS WD 415 X HT 942 X DP 575 MM SPECIAL FEATURES NO INSERTS APPLICATION SITTER COACH	No external document	yes	yes	yes		
158	009009596	PAINT, PRIMER,EPOXY;SAT 356,PLASCON PAINT, PRIMER; TYPE: EPOXY; P/N: SAT 356, PLASCON; SPECIFICATION: CSS 183/5,14, 0, ITEM: 0; PAINT; 2 PACK RUST INHIBITIVE SLTPRIMER SLT HARDNER=10LT CSS 183/5,14/LATEST BATCH TEST CERT. TO BE SUPPLIED WITH MATERIAL; MSDS SHEET TO BE ISSUED WITH EVERY DELIVERY - MSDS -16 POINTS AS PER SANS 11014	SPECIFICATION: CSS 183/5,14, 0 RS ME SP 009	yes	yes	yes		

158	009018753	COATING COMPOUND;BODYGUARD,PLASCON,DRUM COATING COMPOUND; TYPE: BODYGUARD, BRAND NAME: PLASCON, APPLICATION: COAL WAGON, PHYSICAL FORM: WATERBORNE, CONTAINER TYPE: DRUM, CONTAINER CAPACITY: 20 L; GRAPHITE GRAY; 10M3,10M5,10M251 INTERNAL LINING; D221 AQUALAST 1000; PLEASE NOTE:- THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED; NB: SUPPLIER TO PRINT MANUFACTURING AND EXPIRY DATES (ON THE PRODUCT ITSELF) N/B FOR BLOEMFONTEIN LOCOMOTIVE PLANT, PLS SUPPLY IN BLACK COLOUR.	RS ME SP 009	yes	yes	yes		
158	009022918	THINNER PAINT;EPOXY,5 L THINNER, PAINT; TYPE: EPOXY, CONTAINER CAPACITY: 5 L; COARINGS, Z149 0818, 10M3, 10M5, 10M251 TO CSS183/2.70 SPECIFICATION (SAT355) PLEASE NOTE: THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED.ELEMENT 2.17 HAZARDOUS CHEMICALS SUBSTANCES (HCS) CONTROL OCCUPATIONAL HEALTH AND SAFETY ACT. ACT NO 85 OF 1993 SAFETY DAT A SHEET.	RS ME SP 009	yes	yes	yes		
158	009005056	THINNER PAINT;LACQUER,25 L;GR A THINNER, PAINT; TYPE: LACQUER, CONTAINER CAPACITY: 25 L; PLASCON	RS ME SP 009	yes	yes	yes		
158	809202164	PAINT OIL;PU,DUST GRAY,H/GLOSS,25 L PAINT, OIL; TYPE: POLYURETHANE, COLOR: DUST GRAY, FINISH: HIGH GLOSS, CONTAINER SIZE: 25 L; 10M SOL/B ACR/RAL 7037, EQUIPMENT USED ON: 10M3,10M5,10M251 PLEASE NOTE:- THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDE	RS ME SP 009	yes	yes	yes		
158	009022878	THINNER PAINT;ACRYLIC PU,5 L THINNER, PAINT; TYPE: ACRYLIC POLYURETHANE, CONTAINER CAPACITY: 5 L; 10M3,10M5,10M251 CSS183/2.60; PLEASE NOTE:- THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELI VERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED  N/B MUST BE SUPPLIED WITH MATERIAL DATA SHEET (MSDS)	RS ME SP 009	yes	yes	yes		
158	109400263	PAINT POLYURETHANE DUST GRAY RAL 7037 PAINT POLYURETHANE ACRILIC DUSTY GRAY SAT 511 RAL 7037 5 L	RS ME SP 009	yes	yes	yes		
158	009700101	PAINT OIL;SP-3,RED,GLOSS,5 L,FLR PAINT, OIL; TYPE: SP-3, COLOR: RED, FINISH: GLOSS, CONTAINER SIZE: 5 L, APPLICATION: FLOOR; SP-3; NON SLIP RED; PLASCON PAINT MUST BE SUPPLIED ON A PALLET/STRAPPED AND EXPIRY DATES CLEARLY MARKED ON TINS. PLEASE NOTE THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWE RK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DA TA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED. ELEMENT 2.17 HAZARDOUS CHEMICAL SUBSTANCES (HCS) CONTROL OCCUPATIONAL HEALTH AND SAFETY ACT. ACT NO 85 OF 1993 SAFETY DATA SHEET.	RS ME SP 009	yes	yes	yes		
158	009700100	PAINT OIL;SP-2,GREEN,GLOSS,5 L,FLR PAINT, OIL; TYPE: SP-2, COLOR: GREEN, FINISH: GLOSS, CONTAINER SIZE: 5 L, APPLICATION: FLOOR; SP-2; NON SLIP; PLASCON PAINT MUST BE SUPPLIED ON A PALLET/STRAPPED AND EXPIRY DATES CLEARLY MARKED ON TINS. PLEASE NOTE THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED. ELEMENT 2.17 HAZARDOUS CHEMICAL SUBSTANCES (HCS) CO NTROL OCCUPATIONAL HEALTH AND SAFETY ACT. ACT NO 85 OF 1993 SAFETY DATA SHEET.	RS ME SP 009	Yes	yes	yes		
158	109400265	PAINT POLY URETHANE GOLDEN YELLOW PAINT POLYURETHANE GOLDEN YELLOW B49 SAT 3615LT	RS ME SP 009	yes	yes	yes		
158	809120485	PAINT POLYURETHANE,BLUE GREEN RAL 6004 PAINT POLYURETHANE,BLUE GREEN RAL 6004(CATALYST INCLUDED)  PLEASE NOTE:- THIS MATERIAL WILL NOT BE ACCEPTED BY TRANSWERK UNLESS ACCOMPANIED BY A SAFETY DATA SHEET AS SPECIFIED IN O.M.S. ACT 1179 SHOULD THE MATERIAL BE DELIVERED WITHOUT THE SAFETY DATA SHEET TRANSWERK WILL WITHHOLD PAYMENT UNTIL THE SAFETY DATA SHEET IS PROVIDED	RS ME SP 009	yes	yes	yes		
158	085808925	CABLE ASSY;INTERCAR BIW TO BIW CABLE ASSEMBLY; TYPE: INTERCAR BIW TO BIW; P/N: 2431SP, WABTEC; FOR: EPC PROJECT; USE ON JUMBO WAGONS	No external document	yes	yes	yes		
158	062809222H	REPAIR, UNIT;CCD- H/REPAIR REPAIR, UNIT; CCD - CAR CONTROL DEVICE- HEAVY REPAIR	No external document	yes	yes	yes		
158	062809222L	REPAIR, UNIT;CCD, L/REPAIR REPAIR, UNIT; CCD - CAR CONTROL DEVICE, LIGHT REPAIR	No external document	yes	yes	yes		

158	069012422	WHEEL RAILWAY;SOLID,863 MM,STL,B/C WHEEL, RAILWAY; TYPE: SOLID, OUTSIDE DIAMETER: 863 MM, MATERIAL: STEEL, CLASS: B OR C, APPLICATION: TRAILING WHEEL FOR GFB, SPECIAL FEATURES: TO BE FITTED TO AXLES FITTED WITH C AND D-TYPE AP ROLLER BEARINGS; DRAWING NO: RS A 010-001-130, LA; SPECIFICATIONS: RS/ME/SP/021, LA, FOR WROUGHT WHEELS OR RS/ME/SP/008, LA, FOR CAST WHEELS; UPON DELIVERY THE MATERIAL TO BE SUPPLIED WITH THE MATERIAL TEST CERTIFICATE	DRAWING NO: RS A 010-001-130, LA; SPECIFICATIONS: RS/ME/SP/021, LA RS/ME/SP/008, LA	yes		yes	yes		
158	053825633	AIRCON;UNIBODY ECON CL400 VAC,460 MM AIR CONDITIONER; TYPE: UNIBODY ECONOMY CLASS, AIR FLOW CAPACITY: BRITISH TERMINAL UNIT 40000 TO 60000, POTENTIAL RATING: 400 VAC, H EIGHT: 460 MM, LENGTH: 3.4 M, WIDTH: 1.8 M, MOUNTING TYPE: SURFACE; SPECIFICATION: PD-PDC-NAT-SPEC-0250, 0	SPECIFICATION: PD-PDC-NAT- SPEC-0250, 0	yes		yes	not required		
158	061833553	CABLE ASSY;CCD TO IDM;778247 CABLE ASSEMBLY; TYPE: CAR CONTROL DEVICE TO IDENTIFICATION MODULE; P/N: 778247, KNORR-BREMSE, JUMBO WAGON EPC PROJECT; PART OF JUNC TION BOX ITEM 085808914	No external document	yes		yes	yes		
158	014829757	WINDOW VEHICLE;BOTSWANA COACH,GLASS WINDOW, VEHICULAR; TYPE: BOTSWANA COACH, MATERIAL: GLASS, COLOR: CLEAR; P/N: SENABOTTOIL, SENA WINDOWS; USE BOTSWANA COACHES; SIZE: 1062X 745 MM; BLIND INCLUDE (SENA WINDOWS); DOUBLE GLAZED	PD-PDC-NAT-SPEC-0290	yes		yes	yes		
158	014829758	WINDOW VEHICLE:ECON GLASS,CLEAR WINDOW, VEHICULAR; TYPE: ECONOMY, MATERIAL: GLASS, COLOR: CLEAR; P/N: SENABOTECON, SENNA WINDOWS; USE ON BOTSWANA COACHES; SIZE: WD 446 MM X LG 585MM; DOUBLE GLAZED; INCLUDE BLINDS (SENA WINDOWS)	PD-PDC-NAT-SPEC-0290	yes		yes	yes		
158	014830067	WINDOW VEHICLE;BOTSWANA COACH,429 MM WINDOW, VEHICULAR; TYPE: BOTSWANA COACH, WIDTH: 429 MM, LENGTH: 751 MM, MATERIAL: GLASS, COLOR: CLEAR; SENA WINDOWS; DOUBLE GLAZED	PD-PDC-NAT-SPEC-0290	yes		yes	yes		
158	014830066	WINDOW VEHICLE;BOTSWANA COACH,200 MM WINDOW, VEHICULAR; TYPE: BOTSWANA COACH, WIDTH: 200 MM, LENGTH: 680 MM, MATERIAL: GLASS, COLOR: CLEAR; SENA WINDOWS; DOUBLE GLAZED	PD-PDC-NAT-SPEC-0290	yes		yes	yes		
158	077828090	KIT;RH DOOR,SIYAHAMBA M/LINE COACH KIT; TYPE: RIGHT HAND DOOR, APPLICATION:MAINLINE COACH; CO, LA; CONSIST OFF: DOOR ASSEMBLY; FIXED WINDOW OUTER FRAME,; INNER FRAME, ; WINDOW PANE GLASS CLEAR,	No external document	yes		yes	yes		
158	077828091	KIT;LH DOOR,SIYAHAMBA M/LINE COACH KIT; TYPE: LEFT HAND DOOR, APPLICATION: MAINLINE COACH; , LA; CONSIST OFF: DOOR ASSEMBLY; FIXED WINDOW OUTER FRAME, INNER FRAME, ; WINDOW PANE GLASS CLEAR,	No external document	yes		yes	yes		
158	085829870	KIT;82 ELECT LIGHTING KIT; TYPE: 82, ELECTRONIC LIGHTING, APPLICATION: BOTSWANA SLEEPER COACH; SPECIFICATION: PD#PDC#NAT#SPEC-0294	SPECIFICATION: PD#PDC#NAT#SPEC-0294	yes		yes	yes		
158	085829765	KIT;80, LIGHTING,BOTSWANA ECON SITTER KIT; TYPE: 80, LIGHTING, APPLICATION: BOTSWANA ECONOMY SITTER; SPECIFICATION: PD#PDC#NAT#SPEC-0288	SPECIFICATION: PD#PDC#NAT#SPEC-0288	yes		yes	yes		
158	085829766	KIT;81, LIGHTING,BOTSWANA COACH KIT; TYPE: 81, LIGHTING, APPLICATION: BOTSWANA COACH; SPECIFICATION: PD#PDC#NAT#SPEC-02	SPECIFICATION: PD#PDC#NAT#SPEC-0289	yes		yes	yes		
158	085828291	KIT;77, LIGHTING,MC-25 PWR CAR KIT; TYPE: 77, LIGHTING, APPLICATION: MC-25 POWER CAR; SPECIFICATION: PD#PDC#NAT#SPEC-0281 Latest	SPECIFICATION: PD#PDC#NAT#SPEC-0281	yes		yes	yes		
158	080829299	KIT;79, LIGHTING,BAGGAGE VAN BOTSWANA KIT; TYPE: 79, LIGHTING, APPLICATION: BAGGAGE VAN BOTSWANA; DRAWING NO: TW09K457/D; SPECIFICATION: PD#PDC#NAT#SPEC-0285	DRAWING NO: TW09K457/D; SPECIFICATION: PD#PDC#NAT#SPEC-0285	yes		yes	yes		
158	067824145	KIT;WATER FILTRATION,WORKERS ACCOM KIT; TYPE: WATER FILTRATION, APPLICATION: WORKERS ACCOMODATION; TYPE H2O FILTRATION EQUIPMENT SET; APPLICATION: MAINLINE ; QUANTITY 1; FILTRATION SYSTEM HOUSED IN SMALL CABINET IN ACCORDANCE WITH SPECIFICATION; TYPE, BASIC, REQUIREMENTS: A) IP66 RATED CABINET, P OWDER COAT GRAPHITE GREY (RAL7024) DRG: TWK12770/C; B) MOUNTING BRACKET POWDER COATED GRAPHITE GREY (RAL7024) DRG: TWK12770/C ITEM 5; C) FILTER SYSTEM 2 OFF; C1) SEDIMENT 25 MICRON FILTER 1 OFF POSITIONED IN LINE AFTER 5500 LITRE TANK; C2) CARBON ACTIVATED 2-10 MICRON FILTER 1 OFF POSITIONED IN LINE AFTER SEDIMENT; D) 230V AC PEDROLLO PKM80 SERIES PUMPS 2 OFF; C3) OTHER EQUIPMENT; E1) PRESSU RE SWITCH (JOHNSON P77 AAA-9301) 1 OFF; E2) NON-RETURN VALVE (FIT ON OUTLETS OF EACH PUMP) 2 OFF; E3) ELECTRICAL SWITCHGEAR AND ISO LATION TRIP SWITCHES INCLUDING CONNECTION TERMINALS, SPECIFICATIONS	DRG: TWK12770/C	yes		yes	yes		
158	055100423	BATTERY PACK;DEEP CYCLE SEALED LEAD ACID BATTERY, PACK; TYPE: DEEP CYCLE SEALED LEAD ACID, POTENTIAL: 24 V, CURRENT CAPACITY: 102 AH, QUANTITY: 2; SPECIFICATION: ML/TE/SPC/ 0017, LA; WITH CHARGER AND ALL ACCESSORIES; IN PLASTIC BOX: SHUNTERS VAN TYPE VL-9	SPECIFICATION: ML/TE/SPC/ 0017, LA	yes		yes	yes		
158	067834440	ASSEMBLY;M/LINE END DOOR,T/COACH 22215 ASSEMBLY; TYPE: MAINLINE END DOOR, APPLICATION: TEST COACH 22215; D, SIYAHAMBA ENGINEERING (PTY) LTD; COMPL ETE ASSEMBLY	PD-PDC-NAT-SPEC-0202	yes		yes	yes		
158	071006945	COUPLING 50MM VACUUM PIPE COUPLING 50MM VACUUM PIPE DRG: CME 71/01911-990	DRG: CME 71/01911-990	yes		yes	yes		
158	071007105	HOSE ASSY NONMETAL;DIA:15 MM,430 MM HOSE ASSEMBLY, NONMETALLIC; NOMINAL DIAMETER: 15 MM, LENGTH: 430 MM, MEDIA FOR WHICH DESIGNED: VACUUM, MATERIAL: RUBBER, MAXIMUM PRESSURE RATING: 90 PSI, CONNECTION SIZE: 15 MM; DRAWING NO: CME 71/002856-579, LA; FOR GERMISTON PLANT ORDERS ONLY: THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER IN TRANSNET ENGINEERING GERMISTON FOR APPROVAL OF FIRST SAMPLE ITEM BEFORE PROCEEDI NG WITH THE REST OF THE PRODUCTION ORDER; THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM TO BE APPROVED IF SUPPLYING THE SA ME ITEM THAT HAS BEEN PREVIOUSLY APPROVED WITH THE SAME DRAWING REVISION; IF THE DRAWING HAS BEEN REVISED, AN APPROVAL WILL BE REQU IRED; THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIRST SAMPLE ITEM WAS NOT APPROVED BY PRO DUCT DEVELOPMENT SECTION; FIRST COMPLETED AND SIGNED OFF SAMPLE ITEM TO BE MARKED BY TRANSNET ENGINEERING INSPECTOR; PIPES AND HOSE S MUST BE DUCT TAPE SEALED ON BOTH ENDS.	DRAWING NO: CME 71/002856- 579, LA;	yes		yes	yes		
158	071007660	ADJUSTER SLACK BRAKE/M/LINE,SCREW ADJUSTER, SLACK BRAKE; TYPE: MAINLINE, APPLICATION: MOTOR/TRAILER COACH, MAINLINE, DESIGN TYPE: SCREW; DRAWING NO: C91474, 0; MOD EL KR02A - 500AR OR MODEL SAB DRV 10 - 500DJ PART NO. 220362 DRG NO. 220362-100 FAIVELEY CLASS- 5M2A, 10M251, 10M3, 10M5 MOTOR COA CH, PLAIN TRAILER AND MAINLINE COACHES ***TEST CERTIFICATE REQUIRED WITH EACH SLACK ADJUSTER**	DRAWING NO: C91474, 0	yes		yes	Factory audit testing		

158	071007850	HOSE NONMETAL;VAC,DIA:74.9 MM,643.5 MM HOSE, NONMETALLIC; TYPE: VACUUM, NOMINAL DIAMETER: 74.9 MM, LENGTH: 643.5 MM, MATERIAL: RUBBER, COLOR: BLACK; DRAWING NO: CME 71/02 863-579, LA; (LENGTH: 643,5 + 6,5), (NOMINAL DIAMETER: 74,9 + 0,8); FOR MATERIAL REFER TO SPEC. CME147/LATEST.FOR GERMISTON PLANT ORDERS ONLY: THE SUPPLIER IS RESPONSIBLE TO INFORM THE ENGINEERING MANAGER IN TRANSNET ENGINEERING GERMISTON FOR APPROVAL OF FI RST SAMPLE ITEM BEFORE PROCEEDING WITH THE REST OF THE PRODUCTION ORDER; THE SUPPLIER MAY NOT REQUEST FOR THE FIRST SAMPLE ITEM T O BE APPROVED IF SUPPLYING THE SAME ITEM THAT HAS BEEN PREVIOUSLY APPROVED WITH THE SAME DRAWING REVISION; IF THE DRAWING HAS BE EN REVISED, AN APPROVAL WILL BE REQUIRED; THE SUPPLIER WILL BE RESPONSIBLE TO MODIFY ALL DELIVERED INCORRECT MATERIALS IF THE FIR ST SAMPLE ITEM WAS NOT APPROVED BY PRODUCT DEVELOPMENT SECTION; FIRST COMPLETED AND SIGNED OFF SAMPLE ITEM TO BE MARKED BY TRANSN ET ENGINEERING INSPECTOR ; PIPES AND HOSES MUST BE DUCT TAPE SEALED ON BOTH ENDS. PRESSURE TEST THE PIPE TO 650 KPA AND PROVIDE WITH A TEST CERTIFICATE PER PIPE.	DRAWING NO: CME 71/02 863-579, LA	yes	yes	yes		
158	071008855	ASSEMBLY;AAR,SLACK ADJ,WAGON BRAKE ASSEMBLY; TYPE: AAR, SLACK ADJUSTER, APPLICATION: WAGON BRAKE; DRAWING NO: CME 71 03502-891, LA; SPECIFICATION: TRANSNET BBH1255, LA; DELIVERY OPEN LENGTH IS 2057+5MM; DELIVERY REQUIREMENT: EACH SLACK TO BE SECURED WITH WOOD AND WIRE STRAP	DRAWING NO: CME 71 03502- 891, LA;	yes	yes	yes		
158	080810060	KIT:30 AIRCON,PHILOPHEPA 2 COACH 11 KIT; TYPE: 30, AIR CONDITIONER, APPLICATION: PHILOPHEPA 2, COACH 11; SPECIFICATION: PD-PDC-NAT-SPEC-0133, 0; CONSIST OF:1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 5; 2) STANDARD CONDENSER UNIT, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 5; 3) STANDARD CASSETTE EVAPORATOR UNIT, TYPE: 2.5KW (9000 BTU) R410 INVERTER DRIVEN, QTY 1; 4) STANDARD CONDE NSER UNITS, TYPE: 2.5KW (9000 BTU) R410 INVERTER DRIVEN, QTY 1; 5) REMOTE CONTROL, QTY 6; 6) EVAPORATOR COVER, QTY 6; 7) COPPER A/C PIPES, TYPE: FITTINGS ON EACH SIDE, QTY 6 SETS; 8) FRESH AIR FAN, TYPE: VZE 100CB, QTY 2; 9) EXTRACTION FAN, TYPE: VZE 100CB, QTY 1; 10) FRESH AIR DUCTING, TYPE: WITH INLET AND OUTLET LOUVERS, QTY 2 SETS; 11 FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR A ND OUTDOOR UNITS, QTY +100M; 12) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 6 SETS	SPECIFICATION: PD-PDC-NAT- SPEC-0133, 0	yes	yes	no		
158	069822642	WHEEL RAILWAY;SOLID,ID:174 MM,863 MM WHEEL, RAILWAY; TYPE: SOLID, INSIDE DIAMETER: 174 MM, OUTSIDE DIAMETER: 863 MM, MATERIAL: STEEL GRADE B; DRAWING NO: PRASA RTS-XW-0014, LA; SPECIFICATION: DOCS_MHQ-#98782, LA; FINISHED MACHINED TREAD TO PROFILE NO 22; ROUGH BORE OF 174 MM, TWO WEAR TYPE, MANUFACTURED IN ACCORDANCE WITH, AND FROM MATERIAL CONFORMING TO PRASA	DRAWING NO: PRASA RTS-XW- 0014, LA; SPECIFICATION: DOCS_MHQ- #98782, LA;	yes	yes	yes		
158	068052799	SPRING HELICAL COMPR;OD:140 MM,ID:90 MM SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 140 MM, SPRING FREE LENGTH: 304 MM, APPLICATION: MOTOR COACH 5M2/5M2A, SPRING MATER IAL: STEEL CME 140, INSIDE DIAMETER: 90 MM, WIRE DIAMETER: 25 MM, NUMBER OF TURNS: 3, TYPE: INNER; DRAWING NO: CME 68/28522-361, L A; 25MM EQL 6'9" FT 3CL R/C (BOGIE8)	DRAWING NO: CME 68/28522- 361, L A	yes	yes	yes		
158	068052803	SPRING HELICAL COMPR;BOGIE SPRING, HELICAL, COMPRESSION; TYPE: BOGIE; DRAWING NO: CME 68/28527-361, ACME 68/28527-361/A, 0; 40MM EQL 6'9" FT 3CL T/C (BOGIE8); 3 OUTER	DRAWING NO: CME 68/28527- 361	yes	yes	yes		
158	068053137	SPRING HELICAL COMPR;OD:195 MM,ID:131 MM SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 195 MM, SPRING FREE LENGTH: 416 MM, APPLICATION: 5M2/5M2A TRAILER COACH, SPRING MAT ERIAL: STEEL CME 140, INSIDE DIAMETER: 131 MM, WIRE DIAMETER: 32 MM, TYPE: BOLSTER; DRAWING NO: CME 68/28561-361, LA; BOL 6'9" FT 3CL T/C (BOGIE4); 3 BOLSTER MID	DRAWING NO: CME 68/28561- 361, LA	yes	yes	yes		
158	068053149	SPRING HELICAL COMPR;OD:126 MM,ID:82 MM SPRING, HELICAL, COMPRESSION; OUTSIDE DIAMETER: 126 MM, SPRING FREE LENGTH: 416 MM, APPLICATION: 5M2/5M2A TRAILER COACH, SPRING MAT ERIAL: STEEL CME 140, INSIDE DIAMETER: 82 MM, WIRE DIAMETER: 22 MM, TYPE: BOLSTER; DRAWING NO: CME 68/28562-361, LA; BOL 6'9" FT 3CL T/C (BOGIE4); 3 BOLSTER INNER	DRAWING NO: CME 68/28562- 361, LA	yes	yes	yes		
158	068801843	SET;SPRING 3 RD CL 6 FT 9 IN,T/C,QTY:28 SET; TYPE: SPRING 3 RD CLASS 6 FT 9 IN, APPLICATION: TRAILER COACH, QUANTITY: 28; SET CONSIST OFF: ITEM 068052803 SPRING 40MM 8EA, ITEM 068052799 SPRING 25MM 8EA, ITEM 068052371 SPRING 50MM 4EA, ITEM 068053137 SPRING 32MM 4EA, ITEM 068053149 SPRING 22MM 4EA, SER IES 1-7 ONWARDS	068052803- DRAWING NO: CME 68/28527-361,A, 0; 068052799 - DRAWING NO: CME 68/28522-361 068052371 - DRAWING NO: CME 68/28473- 361 068053137 - DRAWING NO: CME 68/28561-36  068053149 - DRAWING NO: CME 68/28562-361 068050991 - DRAWING NO: CME68/28257- 361	yes	yes	yes		

158	068801848	SET;SPRING 3 RD CL 7 FT,T/C,QTY:24 SET; TYPE: SPRING 3 RD CLASS 7 FT, APPLICATION: TRAILER COACH, QUANTITY: 24; SET CONSIST OFF: ITEM 068050978 SPRING 48MM 8EA, ITEM 068050991 SPRING 30MM 8EA, ITEM 068050954 SPRING 55MM 4EA, ITEM 068050966 SPRING 38MM 4EA, SERIES 9 ONWARD	068050978 -DRAWING NO: CME68/28256-361 068050991 - DRAWING NO: CME68/28257-361 068050966 - DRAWING NO: CME68/28255-361	yes	yes	yes		
158	080810061	KIT;29 AIRCON,PHILOPHEPA 2 COACH 10 KIT; TYPE: 29, AIR CONDITIONER, APPLICATION: PHILOPHEPA 2, COACH 10; SPECIFICATION: PD-PDC-NAT-SPEC-0134, 0; CONSIST OF:1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 5; 2) STANDARD CONDENSER UNIT, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 5; 3) STANDARD CASSETTE EVAPORATOR UNIT, QTY 1; 4) STANDARD CONDENSER UNITS, QTY 1; 5) REMOTE CONTROL, QTY 6; 6) EVAPORATOR COVER, QTY 6; 7) COPPER A/C PIPES, TYPE: FITTINGS ON EACH SIDE, QTY 6 SETS; 8) FRESH AIR FAN, TYPE: VZE 100CB, QTY 2; 9) EXTRACTION FAN, TYPE: VZE 100CB, QTY 1; 10) FRESH AIR DUCTING, TYPE: WITH INLET AND OUTLET LOUVERS, QTY 2 SETS; 11) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, QTY +80M; 12) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE C ONTROL, QTY 6 SETS	SPECIFICATION: PD-PDC-NAT-SPEC-0134, 0	yes	yes	no		
158	080810062	KIT;DIESEL LOCO CL 33 AIRCON KIT; TYPE: DIESEL LOCOMOTIVE CLASS 33, AIR CONDITIONER, APPLICATION: PHILOPHEPA 2, COACH 16; SPECIFICATION: PD-PDC-NAT-SPEC-0130, 0 ; CONSIST OF:1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 5; 2) STANDARD CONDENSER UNIT, T YPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 5; 3) REMOTE CONTROL, QTY 5; 4) EVAPORATOR COVER, QTY 5; 5) COPPER A/C PIPES, TYPE: FI TTINGS ON EACH SIDE, QTY 5 SETS; 6) FRESH AIR FAN, TYPE: VZE 100CB, QTY 2; 7) EXTRACTION FAN, TYPE: VZE 100CB, QTY 3; 8) FRESH AIR DUCTING, TYPE: WITH INLET AND OUTLET LOUVERS, QTY 2 SETS; 9) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, QTY +80M; 10) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 5 SETS; 11) CUSTOM DOOR LOUVRES, TYPE: CUSTOM MA DE FOR DOOR THICKNESS, QTY 4	SPECIFICATION: PD-PDC-NAT-SPEC-0130, 0	yes	yes	no		
158	080810063	KIT;DIESEL LOCO CL 35 AIRCON KIT; TYPE: DIESEL LOCOMOTIVE CLASS 35, AIR CONDITIONER, APPLICATION: PHILOPHEPA 2, COACH 18; SPECIFICATION: PD-PDC-NAT-SPEC-0129, 0 ; CONSIST OF:1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 1; 2) STANDARD CONDENSER UNIT, T YPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 1; 3) REMOTE CONTROL, TYPE: DAIKIN, QTY 1; 4) EVAPORATOR COVER, QTY 1; 5) COPPER A/C PIPES, TYPE: FITTINGS ON EACH SIDE, QTY 1 SETS; 6) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, QTY +-2 0M; 7) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 1 SETS; 8) EXTRACTION, TYPE: FANS VZE 100CB QTY 3	SPECIFICATION: PD-PDC-NAT-SPEC-0129, 0	yes	yes	no		
158	080810075	KIT;28 AIRCON KIT; TYPE: 28, AIR CONDITIONER, APPLICATION: PHILOPHEPA 2, COACH 5, DINING; SPECIFICATION: PD-PDC-NAT-SPEC-0135, 0; CONSIST OF: 1) STANDARD CASSETTE EVAPORATOR UNIT, TYPE: DAIKIN: FBQ7188V38, QTY 2; 2) STANDARD CONDENSER UNITS, TYPE: DAIKIN: RZQ7189V38, TYPE2; 3 ) REMOTE CONTROL, TYPE: DAIKIN, QTY 1; 4) EVAPORATOR COVER, QTY 2; 5) COPPER A/C PIPES, TYPE: FITTINGS ON EACH SIDE, QTY 2 SETS; 6) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 1; 7) STANDARD CONDENSER UNIT, TYPE: DAIKIN: 2 ,5KW R410 INVERTER, QTY 1; 8) FRESH AIR FAN, TYPE: VZE 100CB, QTY 1; 9) EXTRACTION FAN, TYPE: VZE 250CB, QTY 1; 10) FRESH AIR DUCTI NG, TYPE: WITH INLET AND OUTLER LOUVERS, QTY 1 SET; 11) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, +-80 M; 12) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 3 SETS; 13) CUSTOM DOOR LOUVRES, TYPE: CUSTOM MADE FOR DO OR THICKNESS, QTY 1	SPECIFICATION: PD-PDC-NAT-SPEC-0135, 0	yes	yes	no		
158	080810076	KIT;27 AIRCON KIT; TYPE: 27, AIR CONDITIONER, APPLICATION: PHILOPHEPA 2, COACH 4, KITCHEN; SPECIFICATION: PD-PDC-NAT-SPEC-0136, 0; CONSIST OF: 1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 3; 2) STANDARD CONDENSER UNITS, TYPE: DAIKIN: 2 ,5KW R410 INVERTER DRIVEN, QTY 3; 3) REMOTE CONTROL, TYPE: DAIKIN, QTY 3; 4) EVAPORATOR COVER, QTY 3; 5) COPPER A/C PIPES, TYPE: FI TTINGS ON EACH SIDE, QTY 3 SETS; 6) FRESH AIR FAN, TYPE: VZE 100CB, QTY 1; 7) EXTRACTION FAN, TYPE: VZE 100CB, QTY 2; 8) FRESH AIR DUCTING, TYPE: WITH INLET AND OUTLER LOUVERS, QTY 1 SET; 9) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, +-60M; 10) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 3 SETS; 11) CUSTOM DOOR LOUVRES, TYPE: CUSTOM MADE FO R DOOR THICKNESS, QTY 3	SPECIFICATION: PD-PDC-NAT-SPEC-0136, 0	yes	yes	no		
158	080810099	KIT;DIESEL LOCO CL 34 AIRCON KIT; TYPE: DIESEL LOCOMOTIVE CLASS 34, AIR CONDITIONER, APPLICATION: PHILOPHEPA 2, COACH 3; SPECIFICATION: PD-PDC-NAT-SPEC-0109, 0; CONSIST OF: 1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 4; 2) STANDARD CONDENSER UNIT, T YPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 4; 3) REMOTE CONTROL, TYPE: DAIKIN, QTY 4; 4) EVAPORATOR COVERS, TYPE: SME, QTY 4; 5) A/C HOSES, TYPE: FITTINGS ONE EACH SIDE, QTY 4 SETS; 6) CUSTOM DOOR LOUVRES, TYPE: CUSTOM MADE FOR DOOR THICKNESS, QTY 6 SETS; 7) F RESH AIR FAN, TYPE: VZE 100CB, QTY 2; 8) FRESH AIR DUCTING, TYPE: WITH INLET AND OUTLET LOUVERS, QTY 2 SETS; 9) FOUR CORE SILICON C ABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, QTY +-80M; 10) EXTRACTION FAN, TYPE: VZE 100CB, QTY 4	SPECIFICATION: PD-PDC-NAT-SPEC-0109, 0	yes	yes	no		
158	080810206	KIT;26 AIRCON COACH 17,PHILOPHEPA 2 KIT; TYPE: 26, AIR CONDITIONER, COACH 17, APPLICATION: PHILOPHEPA 2; SPECIFICATION: PD-PDC-NAT-SPEC-0110, 0; SECURITY/PHARMACY STOR AGE CONSIST OF: 1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 4; 2) STANDARD CONDENSER UNIT , TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 4; 3) REMOTE CONTROL, QTY 6; 4) EVAPORATOR COVERS, QTY 6; 5) A/C HOSES, TYPE: FITTI NGS ON EACH SIDE, QTY 6 SETS; 6) STANDARD CASSETTE EVAPORATOR UNIT, TYPE: +- 2.5KW, (9000 BTU) R410 INVERTER DRIVEN; QTY 2; 7) STAN DARD CONDENSER UNITS, QTY 2; 8) CUSTOM DOOR LOUVRES, TYPE: CUSTOM MADE FOR DOOR THICKNESS, QTY 6 SETS; 9) FRESH AIR FAN, TYPE: VZE 100CB, QTY 2; 10) FRESH AIR DUCTING; TYPE: WITH INLET AND OUTLET LOUVERS, QTY 2 SETS; 11) FOUR CORE SILICON CABLE, TYPE: CABLE BETW EEN INDOOR AND OUTDOOR UNITS, QTY +-100M; 12) EXTRACTION FAN, TYPE: VZE 100CB, QTY 2	SPECIFICATION: PD-PDC-NAT-SPEC-0110, 0	yes	yes	no		
158	080810207	KIT;25 AIRCON COACH 2,PHILOPHEPA 2 KIT; TYPE: 25, AIR CONDITIONER, COACH 2, APPLICATION: PHILOPHEPA 2; SPECIFICATION: PD-PDC-NAT-SPEC-0159, 0; STORAGE/LAUNDRY COACH C ONSIST OF: 1) STANDARD CASSETTE EVAPORATOR UNIT, TYPE: +- 2.5KW (9000 BTU) R410 INVERTER DRIVEN, QTY 3; 2) STANDARD CONDENSER UNIT, TYPE: +- 2.5KW (9000 BTU) R410 INVERTER DRIVEN, QTY 3; 3) REMOTE CONTROL, QTY 3; 4) EVAPORATOR COVER, QTY 3; 5) COPPER A/C PIPES, TYPE: FITTINGS ON EACH SIDE, QTY 4 SETS; 6) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 1; 7 ) STANDARD CONDENSER UNIT, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 1; 8) FRESH AIR FAN, TYPE: VZE 100CB, QTY 2; 9) FRESH AIR DUCTING; TYPE: WITH INLET AND OUTLET LOUVERS, QTY 2 SETS; 10) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS ,QTY +- 80M; 11) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 4 SETS; 12) CUSTOM DOOR LOUVRES; TYPE: CUSTOM MADE FOR DOOR THICKNESS, QTY 4 SETS	SPECIFICATION: PD-PDC-NAT-SPEC-0159, 0	yes	yes	no		
158	085130355	GEN SET DIESEL ENG-PTNTL:400 V,270 KVA GENERATOR SET, DIESEL ENGINE; TYPE: VOLVO TAD 941GE/TAD734GE, POTENTIAL RATING: 400 V, CURRENT RATING: 270 KVA; SPECIFICATION: PD-PDC-NAT-SPEC-0054, LA; GENERATOR DIESEL ALTERNATOR - MARELLI MJB250LB4 - R450 ENGINE CONTROL MODULE - DEEP SEA MODEL 7320 MAIN GE NSET MCB - ABB SACE TMAX TSN 400 MAIN CONTACTOR - ABB MAIN BUSLINE MCBS - MERLIN GERIN NS250 WITH STR22 ELECTRONIC TRIP MODULE. THE ABOVE EQUIPMENT TO WORK IN THE SAME AUTOMATIC CHANGE OVER ON "MAINS FAILURE". MAINS FAILURE IN THIS CASE BEING THE OTHER GENSET.	SPECIFICATION: PD-PDC-NAT-SPEC-0054, LA	yes	yes	no		

158	085801311	<p>WATER PURIFICATION SET; WATER PURIFICATION EQUIPMENT SET</p> <p>(EWE87152-WTS.U.3F.MP OR EQUIVALENT)(HOUSED IN LARGE CABINET) WITH MICRO CONTROLLER AND UV STERILIZATION UNIT FITTED-OFFERING BOTH STERILISATION/FILTRATION AND SUPPLIED IN ACCORDANCE WITH SPECIFICATION ML/TE/SPC/0015</p> <p>ONLY APPROVED PRODUCTS TO BE SUPPLIED AND INCUMBENT UPON SUPPLIER TO SUBSTANTIATE ACCORDINGLY(VIZ PRODUCTS APPROVED IN ACCORDANCE WITH TRANSNET RAIL ENGINEERING'S APPROVAL PROCEDURE) BASIC REQUIREMENTS FOR THE SUPPLY OF THE WATER TREATMENT SYSTEM FOLLOWS,VIZ: (A) IP66 RATED CABINET (TWK12770/C) POWDER COATED GRAPHITE GREY (RAL7024) (B) MOUNTING BRACKET (TWK12770/C ITEM 5) POWDER COATED GRAPHITE GREY (RAL7024) (C) THREE (3) FILTER SYSTEM, VIZ: (C1) SEDIMENT 5 MICRON FILTER (X2)-POSITIONED IN LINE AFTER 900 LITRE TANK AND UV STERILIZATION UNIT (C2) CARBON ACTIVATED 2-5 MICRON FILTER (X1)-POSITIONED IN LINE AFTER SEDIMENT (D) 230V AC GRUNDFOSS PF BASIC 1-30 PUMPS (X2) (E) OTHER REQUIREMENTS:</p>	<p>ML/TE/SPC/0015 TWK12770/C TWK12770/C</p>	yes	yes	no		
158	085801749	<p>KIT:LOUVRE SET,S/MEYL PWR CAR KIT; TYPE: LOUVRE SET, APPLICATION: SHOSHOLAZA MEYL POWER CAR; SOUND ATTENUATION STAINLESS STEEL; CONSISTS OF: 4 X INLET LOUVRE ( TW09183223) 2 X OUTLET LOUVRE (TW09183224); AIRFLOW REQUIREMENTS: OUTLET LOUVRE: NET AREA FOR THE ALLOWANCE OF AIRFLOW THROUGH THE LOUVRE TO BE A MINIMUM OF 1.5 TIMES THE AREA OF THE GEN-SET RADIATOR INLET LOUVRE: NET AREA FOR THE ALLOWANCE OF AIRFLOW THROUGH TH E LOUVRE TO BE A MINIMUM OF 1.5 TIMES THE NET AREA OF THE OUTLET LOUVRE RADIATOR AREA: 0.8 M^2 ALL TENDERERS TO SUPPLY A DETAILED DRAWING OF THE LOUVRES ON TENDER SUBMISSION FOR EVALUATION AND APPROVAL BY PRASA</p>	<p>TW09183223</p>	yes	yes	no		
158	085802232	<p>LINER;BOGIE PEDESTAL,VESCONITE HILUBE LINER TYPE BOGIE PEDESTAL DIMENSIONS WD 151.61 X LG 330 X HT 108 MM MATERIAL VESCONITE HILUBE APPLICATION COMMONWEALTH BOGIE TRAILER COACH DRAWING NO: TWK10737 REV A</p>	<p>DRAWING NO: TWK10737 REV A</p>	yes	yes	yes		
158	085802414	<p>KIT;KEI RAIL ECON CL SITTER EX H3 KIT; TYPE: KEI RAIL ECONOMY CLASS SITTER, EX H3, APPLICATION: 8; CUS OD AIR CONDITIONERS, X3 CAS, 50; SPECIFICATION: PDHPDCINATWSPE C-0009, LA</p>	<p>SPECIFICATION: PDHPDCINATWSPE C-0009, LA</p>	yes	yes	no		
158	085802415	<p>KIT;KEI RAIL ECON CL SLEEPER EX E2 KIT; TYPE: KEI RAIL ECONOMY CLASS SLEEPER; EX E2, APPLICATION: 9; CUS OD AIR CONDITIONERS, X3 HA, 50; CUSTOMISED (CUS) OUTDOOR (OD) AIRCON SYSTEM (X3 CASSETTES (CAS)) SERIES (S) 0, 8KW (NOMINAL) CUSTOMISED TYPE CONDENSER- AND STANDARD HIDE-AWAY TYPE EVAPORATOR- UNITS. ONLY APPROVED PRODUCTS TO BE SUPPLIED AND INCUMBENT UPON SUPPLIER TO SUBSTANTIATE ACCORDINGLY. (VIZ. PRODUCTS APPROVED IN AC CORDANCE WITH TRANSNET RAIL ENGINEERING APPROVAL PROCEDURE) BASIC REQUIREMENTS FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF AI RCON SYSTEM, VIZ: FRESH AIR TO BE SUPPLIED VIA SUCTION INLET (INCLUDING Ø100MM GRILL COVER (TW10636)(1 OFF)) FITTED TO THE HEADER O F ONE OF THE COACH EXTERNAL ACCESS DOORS AND FLEXIBLE AIR PIPING (DUCTING) TO THE SUCTION INTERFACE MANIFOLD BOX WITH FILTER INTEGR AL WITH SUCTION INTERFACE MANIFOLD BOX (2 OFF), EVAPORATOR CRADLES (2 OFF), DAIKIN STANDARD INDOOR UNITS : FBQ 71 B 8V3B HIDE AWAY TYPE EVAPORATOR UNITS (3 OFF), INTERFACE SUCTION- AND OUTLET- MANIFOLD BOXES FITTED TO THE VERTICAL STACK OF TWO (2)- AND SINGLE- I NDOOR UNITS, Ø150MM HOWDEN DOKKIN LINEO VORTICE AXIAL EXTRACTOR FANS (150 VO HT VO) MOUNTED TO OUTLET INTERFACE MANIFOLD BOX FOR REGULATING AIR SUPPLY TO EACH COMPARTMENT (8 OFF # I.E. 4 OFF PER INTERFACE MANIFOLD BOX), FLEXIBLE AIR PIPING (DUCTING) CONNECTIN G INTERFACE OUTLET MANIFOLD BOX TO RESPECTIVE COMPARTMENT DIFFUSERS. COMPARTMENT DIFFUSERS (8 OFF), COMPARTMENT DOOR LOUVRES (8 OF F), SUCTION LOUVRES (2 OFF), DAIKIN CUSTOMISED OUTDOOR UNITS: RZQ 71 B 8V3B (OR RZQS 71 B 8V3B) CONDENSER UNITS (3 OFF), STANDARD M OUNTING BRACKETS OF CONDENSER UNITS MOUNTED ON RUBBER PADS, INSTALLATION MATERIALS (COPPER PIPING, REFRIGERANT PIPING AND FITTINGS, INSULATION, ETC.) DRAIN PIPING FOR EVAPORATOR UNITS, ELECTRICAL HARNESS</p>	<p>No external document</p>	yes	yes	factory audit		
158	071012273	<p>HOSE NONMETAL;VAC,50 MM HOSE, NONMETALLIC; TYPE: VACUUM, LENGTH: 50 MM; DRAWING NO: 0; SPEC. CME147/LATEST</p>	<p>DRAWING NO: 0; SPEC. CME147/LATEST</p>	yes	yes	yes		
158	071012564	<p>HOSE NONMETAL;VAC,DIA:50 MM HOSE, NONMETALLIC; TYPE: VACUUM, NOMINAL DIAMETER: 50 MM; NEW; (COMPL)</p>	<p>No external document</p>	yes	yes	yes		

158	071012892	HOSE ASSY NONMETAL;DIA:74.9 MM,LG:610 MM HOSE ASSEMBLY, NONMETALLIC; NOMINAL DIAMETER: 74.9 MM, LENGTH: 610 MM, MEDIA FOR WHICH DESIGNED: VACUUM BRAKE, MATERIAL: RUBBER/STEEL, APPLICATION: WAGON, MAXIMUM PRESSURE RATING: 90 PSI, CONNECTION TYPE: GLUE, CONNECTION SIZE: 65 MM; DRAWING NO: CME 71/002864-579, LA	DRAWING NO: CME 71/002864-579, LA	yes	yes	yes		
158	071810465	TEST, UNIT;BRAKE CYLINDERS, BLUE TRAIN TEST, UNIT OVERHAUL, TESTING, COMMISSIONING AND CERTIFYING THE BRAKE CYLINDERS OF THE BLUE TRAIN	No external document	yes	yes	yes		
158	071810466	TEST, UNIT;KE VALVES, BLUE TRAIN TEST, UNIT OVERHAUL, TESTING, COMMISSIONING AND CERTIFYING THE KE VALVES OF THE BLUE TRAIN	No external document	yes	yes	yes		
158	077120436	FLOOR COVERING VINYL;ROLL FLOOR COVERING, VINYL RESIN TYPE ROLL COLOR AS PER SUPPLIER DIMENSIONS WD 2M X LG 20M X THK 2MM APPLICATION MAINLINE/METRO COACH THE FOLLOWING MATERIALS CURRENTLY ALL IMPORTED, HAVE BEEN EVALUATED AND ARE ALL APPROVED FOR INSTALLATION. MATERIAL NAME: FLOORWORX TRANSPORT(TRAVELLER BASIC), COLOUR: ANTHRACITE, ; MATERIAL NAME: ALTRO, COLOUR: META MIDNIGHT, ; MATERIAL NAME: VOYAGER, COLOUR: ANVIL GREY, SUPPLIER: ONLY CLIENT APPROVED MATERIAL TO BE SUPPLIED, PLEASE NOTE THAT THE FLOOR COVER MATERIAL FROM DIFFERENT SUPPLIERS MAY NOT BE MIXED WITHIN A COACH AS THE COLOUR FROM THE VARIOUS SUPPLIERS ARE NOT EXACTLY THE SAME.	No external document	yes	yes	yes		
158	077120437	ROD;WELD,5 MM,LG:100 M,STEPSURE,FLR ROD; TYPE: WELDING, DIAMETER: 5 MM, LENGTH: 100 M, MATERIAL: STEPSURE, APPLICATION: FLOOR; (NEW SARCC SPEC); THE FOLLOWING MATERIAL , CURRENTLY ALL IMPORTED, HAVE BEEN EVALUATED AND ARE ALL APPROVED FOR INSTALLATION IN METRO COACHES: STEPSURE, COLOUR: BLACK ROCK FLOORWORX; ONLY CLIENT APPROVED MATERIAL TO BE SUPPLIED" PLEASE NOTE THAT THE FLOOR COVER MATERIAL FROM DIFFERENT SUPPLIERS MAY NOT BE MIXED WITHIN A COACH AS THE COLOUR FROM THE VARIOUS SUPPLIERS ARE NOT EXACTLY THE SAME	No external document	yes	yes	yes	yes	
158	080810058	KIT;32 AIRCON,PHILOPHEA 2 COACH 13 KIT; TYPE: 32, AIR CONDITIONER, APPLICATION: PHILOPHEA 2, COACH 13; SPECIFICATION: PD-PDC-NAT-SPEC-0131, 0; CONSIST OF:1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 8; 2) STANDARD CONDENSER UNIT, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVE, QTY 8; 3) REMOTE CONTROL, TYPE: DAIKIN, QTY 8; 4) EVAPORATOR COVER, QTY 8; 5) COPPER A/C PIPES, TYPE: FITTINGS ON EACH SIDE, QTY 8 SETS; 6) FRESH AIR FAN, TYPE: VZE 100CB, QTY 3; 7) EXTRACTION FAN, TYPE: VZE 100CB, QTY 2; 8) FRESH AIR DUCTING, TYPE: WITH INLET AND OUTLET LOUVRES, QTY 2 SETS; 9) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, QTY +-80M; 10) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 8 SETS	SPECIFICATION: PD-PDC-NAT-SPEC-0131, 0	yes	yes	no		
158	080810059	KIT;31 AIRCON,PHILOPHEA 2 COACH 12 KIT; TYPE: 31, AIR CONDITIONER, APPLICATION: PHILOPHEA 2, COACH 12; SPECIFICATION: PD-PDC-NAT-SPEC-0132, 0; CONSIST OF: CONSIST OF: 1) STANDARD EVAPORATOR MIDWALL MOUNTED, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVEN, QTY 1; 2) STANDARD CONDENSER UNIT, TYPE: DAIKIN: 2.5KW R410 INVERTER DRIVE, QTY 1; 3) STANDARD CASSETTE EVAPORATOR UNIT, TYPE: +- 2.5KW (9000 BTU) R410 INVERTER DRIVEN, QTY 4; 4) STANDARD CONDENSER UNITS, TYPE: +- 2.5KW (9000 BTU) R410 INVERTER DRIVEN, QTY 4; 5) REMOTE CONTROL, QTY 1; 6) EVAPORATOR COVER, QTY 5; 7) COPPER A/C PIPES, TYPE: FITTINGS ON EACH SIDE, QTY 5 SETS; 8) FRESH AIR FAN, TYPE: VZE 100CB, QTY 2; 9) FRESH AIR DUCTING, TYPE: WITH INLET AND OUTLET LOUVRES, QTY 2 SETS; 10) INLET LOUVRE, TYPE: INLET LOUVRE, QTY 1; 11) CUSTOM DOOR LOUVRES, TYPE: CUSTOM MADE FOR DOOR THICKNESS, QTY 2; 11) FOUR CORE SILICON CABLE, TYPE: CABLE BETWEEN INDOOR AND OUTDOOR UNITS, QTY +-80M; 12) CONNECTING WIRE, TYPE: BETWEEN INDOOR UNIT AND REMOTE CONTROL, QTY 5 SETS	SPECIFICATION: PD-PDC-NAT-SPEC-0132, 0	yes	yes	no		
158	068002541	BRAKE BLOCK;H/FRICT GREEN,COACH BRAKE BLOCK; TYPE: HIGH FRICTION GREEN, APPLICATION: COACHES, FRICTION LINING MATERIAL: COMPOSITE; SPECIFICATION: RW/TE/SPC/0050; F OR USE ON SHOSHOLLOZA MEYL MAIN LINE COACHES	SPECIFICATION: RW/TE/SPC/0050; F	yes	yes	yes		
158	067410009	MONSOON VENTILATOR MONSOON VENTILATOR "ONLY CLIENT APPROVED MATERIAL TO BE SUPPLIED"	No external document	yes	yes	yes	yes	
158	809202151	FILLER DENT;ALPOPOX SPACHTEL 3028A+B KIT FILLER, DENT, METALLIC SURFACE; TYPE: ALPOPOX SPACHTEL 3028A+B KIT, APPLICATION: BODY 10M3/0M5/10M251	R5 ME SP 009	yes	yes	yes		
158	009805151	ADHESIVE;SPRAY,GENKEM,LIME GREEN,WATER ADHESIVE TYPE SPRAY BRAND NAME GENKEM COLOR LIME GREEN BASE MATERIAL WATER PACKAGE TYPE 5 L P/N: VAN 499 GENKEM GENKEM SCREW TOP; METAL CONTAINER	No external document	yes	yes	yes		
158	011801719	SET;H20 FILTRATION EQUIP SET,M/LINE SET; TYPE: H20 FILTRATION EQUIPMENT SET, APPLICATION: MAINLINE, QUANTITY: 1; SPECIFICATION: ML/TE/SPC/0015, 0, FILTRATION SYSTEM HOUSED IN SMALL CABINET IN ACCORDANCE WITH SPECIFICATION; - TWS. 0. 2F. 0 BASIC REQUIREMENTS A) IP66 RATED CABINET;POWDER COAT GRAPHITE GREY(RAL7024) DRG PEC004A0125; 8) MOUNTING BRACKET POWDER COATED GRAPHITE GREY(RAL7024) DRG PEC004A0325; C) FILTER SYSTEM 2 OFF C1) SEDIMENT 5 MICRON FILTER 1 OFF POSITIONED IN LINE AFTER 900 LITRE TANK; C2) CARBON ACTIVATED 2-5 MICR ON FILTER 1 OFF POSITIONED IN LINE AFTER SEDIMENT; D) 230V AC GRUNDFOSS PF BASIC 1-30 PUMPS 2 OFF; E) OTHER EQUIPMENT; E1) PRESSURE SWITCH (JOHNSON P48 AAA-9110) 1 OFF; E2) ELECTRICAL SWITCHGEAR AND ISOLATION TRIP SWITCHES INCLUDING CONNECTION TERMINALS	SPECIFICATION: ML/TE/SPC/0015, 0 DRG PEC004A0125 DRG PEC004A0125	yes	yes	yes		
158	068053327	SPRING HELICAL COMPR SPRING, HELICAL COMPRESSION; APPLICATION: VESTIBULE BUFFER ROD; TO MAKE COMPLETE WITH END GRINDING ,TESTNG ,PAINTING & CERTIFICATES. ML MC,PT	No external document	yes	yes	yes		
158	068053517	SPRING ASSY SPRING ASSEMBLY; DRAWING NO: CME A3-83-52006, 0; OUTER COMMON WEALTH BOGIE	DRAWING NO: CME A3-83-52006, 0	yes	yes	yes		
158	068053529	SPRING BOLSTER INNER 33MM SPRING BOLSTER INNER A3 83-52007 SECONDARY INNER MAINLINE COACH	A3 83-52007	yes	yes	yes		
158	068101898	SPRING;RELEASE SPRING; TYPE: RELEASE; DRAWING NO: A4 81-47049, LA; BRAKE ARRANGEMENT (HANHBRAKE END) CLASS 10M5 AND ALL SUBURBAN COACHES	DRAWING NO: A4 81-47049, LA	yes	yes	yes		

158	007805078	CLOTH;VINYL KNIT,1.2 M,30 M,1 TO 1.2 MM CLOTH; TYPE: VINYL KNITTED, WIDTH: 1.2 M, LENGTH: 30 M, THICKNESS: 1 TO 1.2 MM, MATERIAL: POLYVINYL CHLORIDE, COLOR: VIOLET MONTANA 1400; MACBEANBEIER 9150-175-075-1400-1 COATED PURPLE OVERALL MASS 800G/M2 TENSILE STRENGTH WMD350 AND AMD250 KG/50MM (BS3424:4) STI LT TEAR WMD25 AND AMD10 (SABS176) ADHESION STRENGTH 35 (BS3421:7) WITHOUT LOGO	No external document	yes	yes	yes		
158	9006062	GLASS SAFETY SINGLE PLATE MATERIAL NUMBER : 09006062 (NEW ITEM) APPROVED ITEM NAME : GLASS SAFETY SINGLE PLATE DRAWING NUMBER : NUSTART DRG NO:  EQUIPMENT USED ON : MAINLINE COACH  SPECIFICATION NUMBER : SABS 1193/LATEST DESCRIPTION STORES : TOUGHENED SAFETY GLASS TINTED GREY TO SABS 350 MM X 651 MM X 6 MM THICK WITH SABS LOGO	No external document	yes	yes	yes		
158	009120391	WINDOW VEHICLE;HALF DROP MK IV, GLASS WINDOW, VEHICULAR; TYPE: HALF DROP MK IV, MATERIAL: GLASS, COLOR: CLEAR, SPECIAL FEATURES: BLACK FRAME; DRAWING NO: 0, SIYAHAMBA TRADING (PTY) LTD T/A; R835303603, 0, WIDNEY TRANSPORT COMPONENTS (PTY); WITH BRACKETS, BLOCKS AND SCREWS; POWDER COA T TO SPEC: PD-PDC-NAT-SPEC-0052	PD-PDC-NAT-SPEC-0052	yes	yes	yes		