

DAFTAR SUKU CADANG KAPAL DAN ALAT KESELAMATAN PELAYARAN/ KESELAMATAN MANUSIA

NO.	KELOMPOK	NAMA BARANG
I	HULL PART	
1	HULL EQUIPMENT	<ul style="list-style-type: none"> - HATCH AND MANHOLE - MAST - POST RIGGING - ANCHORING AND MOORING - LIFE SAVING EQUIPMENT AND BOAT DAVIT - AWNINGAND CANVAS WORK - LADDER AND STAIR WAY - RAIL - STANCHION AND DAVIT - SKYLIGHT AND REMOVEABLE PLATE - GATE HOLE - RAMP DOOR
2	DECK MACHINERY	<ul style="list-style-type: none"> - PARTS FOR WINDLASS - MOORING WINCH - CAPSTAN - BOATWINCH - STEERING GEAR - LIFT - HANDLING HOIST - HANDLING CRANE - DERRICK - BOW THRUSTER - HYDRAULIC PUMP UNIT - REFERIGATING PLANT
3	ACCOMODATION	<ul style="list-style-type: none"> - BULKHEAD - LINING AND CEILINGS - DECK COVERING - INSULATION DOOR - SIDE SCUTTLE AND WINDOW - SANITARY EQUIPMENT - COMMISSARY EQUIPMENT
4	PAINTING AND CATHODIC PROTECTION	<ul style="list-style-type: none"> - MARINE PAINTS - CATHODIC PROTECTION - MARINE GROWTH PREVENTION SYSTEM - IMPRESS CURRENT CATHODIC PROTECTION
5	VANTILATION AND AIR CONDITIONING	<ul style="list-style-type: none"> - SHIF AIR CONDITIONING SYSTEM - MECHANICAL VENTILATION - NATURAL VENTILATION
6	HULL PIPING SYSTEM	<ul style="list-style-type: none"> - WATER BALLAST SYSTEM - BALLAST CONTROL SYSTEM - FUEL OIL FILLING AND TRANSFER LINE - DECK WASH SYSTEM - BILGE AND SCUPPER - WATER SERVICE SYSTEM - STEAM AND EXHAUST PIPING SYSTEM - FIRE FIGHTING SYSTEM - COMPRESSED AIR SYSTEM - VOICE TUBE
7	NAVIGATION EQUIPMENT	<ul style="list-style-type: none"> - NAVIGATION EQUIPMENT - COMMUNICATION EQUIPMENT - FLAG AND BOOK - DISTRESS SIGNAL - NAVIGATION LIGHT - MAGNETIC COMPASS - GYRO COMPASS - STEERING CONTROL - DOPPLER SONAR - ECHO SOUNDER - RADAR SYSTEM - RADIO DIRECTION FINDER - DECCA NAVIGATOR - LORAN C RECEIVER - CENTRAL CLOCK SYSTEM - HORN CONTROL SYSTEM - WINDOW WIPER - ANEMOMETER AND ANEMOSCOPE - LOADING COMPUTER
II	MACHINERY PART	
8	MAIN PROPULSION UNIT	<ul style="list-style-type: none"> - PARTS AND EQUIPMENT FOR MAIN EROPULSION DIESEL - MAIN PROPULSION STEAM/GAS TURBINE
9	SHAFTING AND PROPELLER	<ul style="list-style-type: none"> - SHAFIING

		<ul style="list-style-type: none"> - BREAKING - STERN TUBE - PROPELLER AND ITS ACCESSORIES - CLUTCH AND GEARBOX
10	STEAM AND GENERATING PLANT	<ul style="list-style-type: none"> - PARTS AND EQUIPMENT FOR STEAM GENERATING PLANT - FITTING AND ACCESSORIES - UPTAKE AND FUNNEL - BURNER CONTROL
11	ELECTRIC GENERATING PLANT	<ul style="list-style-type: none"> - PARTS AND EQUIPMENTS FOR MAIN GENERATOR ENGINE/ TURBINE - AUXILLIARY GENERATOR ENGINE/ TURBINE - EMERGENCY GENERATOR ENGINE
12	CONDENSING EQUIPMENT	<ul style="list-style-type: none"> - PARTS FOR MAIN CONDENSER - AUXILLIARY CONDENSER - MAIN CONDENSER VACUUM PUMP - GLAND EXHAUST FAN AND GLAND STEAM CONDENSER
13	PUMPS	<ul style="list-style-type: none"> - PARTS AND EQUIPMENT FOR MAIN FEED WATER PUMP - CENTRIFUGAL PUMP - AXIAL PUMP - ROTARY PUMP - RECIPROCATING PUMP
14	AIR COMPRESSOR, REESERVOIR AND FAN	<ul style="list-style-type: none"> - PARTS AND EQUIPMENT FOR MAIN/AUXILLIARY STARTING AIR COMPRESSOR - CONTROL AND SHIP SERVICE AIR COMPRESSOR - EMERGENCY STARTING AIR COMPRESSOR - AIR RESERVOIR - FORCE DRAFT FAN - GLAND EXHAUST FAN - BOILER HOODEXHAUST FAN - CONTROL AIR DRYER
15	HEAT EXCHANGER	<ul style="list-style-type: none"> - PARTS AND EQUIPMENT FOR FEED WATER HEATER - LUBRICATING OIL COOLER - DRAIN COOLER - FUEL OIL HEATER - FRESH WATER COOLER - DISTILLING PLANT - AND OTHER HEAT EXCHANGER OF MACHINERY#S ACCESSORY
16	MACHINERY PIPING SYSTEM	<ul style="list-style-type: none"> - MAIN AUXILIARY STEAM SYSTEM - DRAIN AND CONDENSATE SYSTEM - FEED WATER SYSTEM - FUEL OIL FILLING - TRANSFER AND SERVICE SYSTEM - LUBRICATING OIL SYSTEM - SEA WATER SERVICE SYSTEM - STARTING CONTROL AND SERVICE AIR SYSTEM - BILGE WATER SYSTEM
17	VALVE	<ul style="list-style-type: none"> - VALVE FOR SEA WATER - FEED WATER - FUEL OIL - LUBRICATING OIL - CONDENSATE - FRESH WATER AND AIR - PRESSURE SAFETY VALVE - PRESSURE VACUUM/RELIEF VALVE
18	AUTOMATIC REMOTE CONTROL AND INSTRUMENTATION	<ul style="list-style-type: none"> - NAVIGATION CONTROL - ENGINE MONITORING SYSTEM - CARGO MONITORING SYSTEM - STEAM PLANT MONITORING SYSTEM - MISCELLANEOUS DEVICES - FIRE AND GAS DETECTOR - FIRE FIGHTING APPARATUS - RELATED INSTRUMENTATION AND CONTROL
19	OTHERS	<ul style="list-style-type: none"> - ENGINE HANDLING HOIST - ENVIRONMENT PROTECTION EQUIPMENT - HEATING COIL - PURIFIER
III	ELECTRIC PART	
20	LIGHTING EQUIPMENT	<ul style="list-style-type: none"> - ELECTRIC SHIP LIGHT - EMERGENCY LIGHT - PORTABLE LAMP - SWITCH - RECEPTACLE AND COMBINATION OUTLET BOX
21	INTERIOR COMMUNICATION EQUIPMENT	<ul style="list-style-type: none"> - PARTS FOR COMMON BATTERY - AUTOMATIC EXCHANGE TELEPHONE SYSTEM

		<ul style="list-style-type: none"> - LOUNDSPEAKING SYSTEM - GENERAL ALARM - FIRE ALARM - HALON/CO2 ALARM - TRANSCEIVER SYSTEM - ENGINE ORDER TELEGRAPH - SHAFT REVOLUTION AND RUDDER ANGLE INDICATOR
22	RADIO EQUIPMENT	<ul style="list-style-type: none"> - RADIO TELEGRAPH AND TELEPHONE - LIFEBOAT PORTABLE RADIO EQUIPMENT - RADIO BEACON - VHR RADIO TELEPHONE - SATELLITE COMMUNICATION SYSTEM - WEATHER FACSIMILE - ANTENNA MULTICOUPLER - SHIP'S TELEPHONE - BROADCASTING RADIO RECEIVER - TELEVISION RECEIVER AND ANTENNA - STEREOPHONIC TAPE PLAYER
23	ELECTRIC CABLE AND TOOLS	<ul style="list-style-type: none"> - ELECTRIC CABLE AND ITS RELATED ACCESSORIES - SWITCHBOARD - BATERRY CHARGING SYSTEM - ELECTRIC MOTOR AND MOTOR CONTROL - GROUP STARTER PANEL - MAIN EMERGENCY SWTICHBOARD
IV	CARGO PART	
24	CARGO HANDLING MACHINERY	<ul style="list-style-type: none"> - PARTS FOR CARGO HANDLING MACHINERY, SUCH AS - CARGO HOSE - CARGO PUMP - CARGO HEATER - CARGO MEASURING EQUIPMENTS - INERTGAS GENERATOR PLANT - TANK CLEANING EQUIPMENTS - BUTTER WORTH HEATER - SELF UNLOADING
25	CARGO CONTROL AND INSTRUMENTATION	<ul style="list-style-type: none"> - CARGO CONTROL SYSTEM - PRESSURE AND TEMPPERATURE MEASUREMENT - CARGO TANK LIQUID LEVEL INDICATOR AND ALARM SYSTEM - PORTABLE CARGO MEASUREMENT SYSTEM

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DAFTAR SUKU CADANG DAN PERALATAN
UNTUK PERBAIKAN / PEMELIHARAAN PESAWAT UDARA

NO.	KELOMPOK BARANG	ARTICLE	FSC
1.	Suku Cadang Rangka Pesawat Komponen (pesawat udara dan perlengkapan kursi, brake unit, wheel assy, landing gear, dll.	Airframe Parts, Aircraft component, and related accessories, composite	1560, 1610, 1615, 1620, 1630, 1650, 1680
2.	Ban luar dan dalam pesawat udara (baru dan vulkanisir)	Aircraft New Tires, Retreated Tires and Tubes, Pneumatic of Rubber	2620
3.	Mesin torak pesawat udara dan suku cadangnya.	Aircraft and Gasoline, Reciprocating Engine and Related Parts	2810
4.	Mesin turbin pesawat udara dan suku cadangnya, baling-baling	Aircraft gas turbine, jet engine, and related parts, propeller	2840
5.	Mesin roket pendorong pesawat udara dan suku cadangannya	Rocket Engine and Related Parts	2845, 2846
6.	Mesin bantu pesawat udara dan suku cadangannya	Aircraft auxiliary power unit (APU) and related parts	2840, 6115
7.	Perlengkapan mesin terbang untuk jenis mesin torak, jenis mesin gas turbin, mesin jet, mesin roket dan mesin bantu.	Engine Accessories of Aircraft Reciprocating Engine, Gas Turbine Engine, Jet Engine, Rocket Engine, and Auxiliary Power Unit (APU)	2915, 2925, 2935, 2945, 2950, 2995
8.	Bantalan-bantalan anti gesekan tanpa penopang	Bearing Anti Friction Unmounted	3110
9.	Bantalan-bantalan luncur tanpa penompang	Bearing Plain Unmounted	3120
10.	Bantalan-bantalan dengan penopang	Bearing Unmounted	3130
11.	Alat pendingin dan alat pendingin udara, peralatan pemanas dan peralatan tekanan udara	Refrigerator and Air Conditioning, Heating & Pressuizing Equipment for Aircraft	1660
12.	Kipas, perlatan sirkulasi udara dan peralatan peniup angin untuk pesawat udara	Fans, Air Circular and Blower Equipment for Aircraft	1660
13.	Alat pemadam kebakaran pesawat udara dan perlengkapannya	Fire Fightinh Equipment and Related Accessories	4210
14.	Peralatan keamanan dan keselamatan untuk pesawat udara beserta perlengkapannya	Safety and Rescue Equipment and Related Accessories	4220
15.	Peralatan untuk sistem instalasi pipa dan perlengkapannya, rak serbet dispenser, dan katup pembersih bowl	Plumbing Fictures and Accessories Dispenser Towel Rack, Flush Valve, Sink	4510
16.	Peralatan pemanas ruang dan tangki penyimpanan air panas untuk pesawat udara	Space Heating Equipment and Domestic Water Heater Storage Tanks for Aircraft	4520
17.	Pipa dan selang untuk pesawat udara	Pipe and Tube for Aircraft House and Tubing for Aircraft	4710, 4720
18.	Macam-macam sambungan pipa selang yang terbuat dari karet dan metal untuk pesawat udara	Miscellaneous Fitting for House, Pipe and Tube used for Aircraft	4730
19.	Sekrup	Screws	5306
20.	Baut	Bolds	5306
21.	Baut Tanam	Studs	5307
22.	Mur dan Ring	Nuts and Washer	5310
23.	Kunci Paku dan Pasak	Nails, Keys and Ping	5315
24.	Paku Keling	Rivets	5320
25.	Alat-alat Pengencang	Fastening Devices	5325
26.	Material untuk Packing dan Gasket	Packing and Gasket Material	5330
27.	Bermacam-macam Pegas	Cod, Flat and Wire Spring	5360
28.	Ring, Shim and Spacer	Rings, Shims and Spacer	5365
29.	Peralatan Komunikasi Radio dan Televisi, termasuk sistem video entertainment untuk pesawat udara	Radio and Television Communication including Video Entertainment System	5821
30.	Peralatan radio dan navigasi untuk pesawat udara	Radio and Navigation Equipment for Aircraft	5826

31.	Peralatan komunikasi di dalam pesawat udara	Handset, Intercommunication and public address system such as Microphone and Speakers for Air craft	5831, 5965
32.	Peralatan radar untuk Pesawat Terbang	Radar Equipment for Aircraft	5841
33.	Modul-modul elektronik	Electronics Moduls	5963
34.	Antena, Tabung Penghantar Gelombang beserta peralatannya	Antennas, Wave Guide and Related Equipment	5985
35.	Konduktor Serat Optik	Fibre Opric Conductors	6015
36.	Kabel Serat Optik	Fibre Optic Cables	6020
37.	Rakitan Kabel Serat Optik	Fibre Optic Cables Assemblies and Harnesses	6020
38.	Peralatan Serat Optik	Fibre Optic Devices	6020
39.	Sambungan Serat Optik	Fibre Optic Interconnect	6060
40.	Perlengkapan Serat Optik dan Suku Cadangannya	Fibre Optic Accessories and Supplies	6070
41.	Perangkat Serat Optik	Fiber Optic Kits and Sets	6080
42.	Motor Listrik	Motors Electrical	6105
43.	Generator, Starter Generator dan suku cadangnya untuk pesawat udara	Generators and Starter Generator, Electrical Parts for Aircraft	2926, 6115
44.	Fuel Cell Power Uni beserta komponen dan perlengkapannya	Fuel Cell Power Unit Component and Accessories	6116
45.	Alat Pengubah Arus Listrik, berputar maupun yang tidak berputar	Electrical Converters, Rotating and Non Rotating	6125, 6130
46.	Baterai Pesawat Udara yang dapat diisi kembali	Batteries, Recharergeable	6140
47.	Lampu-lampu Pesawat Udara, Ballast, Pegangan Lampu, Starter dan Perlengkapannya.	Electrical Vehicular, Light and Fibers, Electrical Portables, Hand Lighting Equipment, Electrical Lamp Ballast, Lamp Holder, Starters and its related Accessories	6220, 6230, 6240, 6250
48.	Alarm Pesawat dan Sistem Signal	Aircraft Alarm and Signal System	6340
49.	Instrumen navigasi di Kokpit	Cockpit Navigational Instrument	6605
50.	Instrumen Pesawat Udara	Flight Instrument	6610
51.	Peralatan Pengontrol Otomatis seperti Komputer Pengendali Pesawat dan Suku Cadangannya.	Automatic Pilot Machine such as Roll, Yaw and Pitch Computer and Aircraft Gyro and Related Parts	6615
52.	Instrumen Mesin	Engineer Instrument	6620
53.	Alat Ukur Instrumen Cairan dan Gas serta Alat Ukur Mekanis	Liquid and Gas Flow, Liquid Level and Mechanical Motion Measuring Instrument.	6680
54.	Instrumen Pengukur dan Pengendali Tekanan, Suhu dan Kelembapan	Pressure, Temperature, Humidity, Measuring and Controlling Instrument	6685
55.	Perlengkapan Kabin, Kursi, Sarung Kursi, Lapos Dinding untuk pesawat udara	Houschold furnishing, Seat Cover, Wallpaper for Aircraft	7210
56.	Tiray, Krey dan Gordin pada Pesawat Udara	Draperies Awnings and Shades for Aircraft	7230
57.	Peralatan Dapur Pesawat Udara (Pemanas, Pembuata Kopi, Pendingin dan lain-lain) beserta perlengkapan pelayanannya	Food Cooking, Baking and Serving Equipment (Oven, Coffee Maker, Refrigerator, etc) for Aircraft	7310
58.	Kontainer Khusus Pesawat Terbang, Pengikat Kargo dan Peralatannya.	Specialized Shipping, Stroge, Container, Cargo Tie Down and Equipment	8145, 1670
59.	Bermacam-macam bahan Pabrikasi bukan Metal untuk Suku Cadang	Miscellaneous, fabricated, Non Metallic Materials	9390
60.	Batang dan Batang Kecil dan Besar dari Baja	Bars and Rods, Iron and Steel Aluminium	9510
61.	Papan-papan Identifikasi dan Tanda-tanda	Sign, Identifications, Plates	9905
62.	Alat-alat Ukur Presisi untuk Pesawat Udara	Precision and Measuring Tools for Aircraft	5210, 5220

63.	Peralatan Simulasi dan Pendukung Pelatihan Penerbangan, Teknisi dan Awak cabin, beserta Suku Cadangnya.	Training Aids and Operation Training Devices and Related Parts	6910, 6930
64.	Peralatan untuk Perawatan dan Perbaikan Khusus Pesawat Udara	Aircraft maintenance and Repair Shop Specialize Equipment	4920
65.	Peralatan khusus untuk Pengukuran dan Pengetesan Electronik Pesawat Terbang	Electrical and Electronic Properties Measuring and Testing Instruments	6625
66.	Motor Pembilas	Flush Motor	4630

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DAFTAR SUKU CADANG DAN PERALATAN
UNTUK PERBAIKAN/PEMELIHARAAN SERTA PRASARANA KERETA API

NO.	KELOMPOK	NAMA BARANG
I	SARANA KERETA API	
1.	MESIN : LOKOMOTIF, KERETA REL, DIESEL, PEMBANGKIT LISTRIK	<p>a. Mekanis Engine : Main Frame Assembly, Crank Case Assembly, Gear Case Assembly, Cover Front End, Cover Crank Case Inspection, Dipstick Assembly, Metal Mesh/Oil Charge/Main Bearing, Camshaft Gear Drive, Camshaft Assembly, Bearing, Pin, Crank Shaft & Gears, Cylinder Liner Assembly, Combeeting Rod Assembly, Piston Assembly, Cover Wilo, Hub, Jacking Ring, Pump/Gear & Maounting, Lube Oil, Breather, Cylinder Head, Preschamber, Rocker Sippott, Valve, Governor, Assy, Over Speed Governor, V-Belt, Ring, Seal, Screen, Sleeve, DCA iquid, Gasket, Test Kit, Stinger, Collar, Hose, Turbo Super Charger</p> <p>b. Air Intake System : Air Intake, Air Cleaner, Air Filter, Turbo Super Changer, Air Pipping & Fitting Intake Manifold, Exhaust, Manifold, Stack</p> <p>c. Cooling System Cooler Drive With cooling Plat, Volth Cooling Unit, Cooler Joint, Variable Speed fan With Impeller, Water Tank, Water Inlet, Header, Discharge Header, Piping, Radiator, Fan Drive, Cooler & Maounting, Water Pump, Air Cooler, Shutter, Regulating Valve Assy, Water Treatment, Bevel Gear Assy, Temperature Control For Cooling Water.</p> <p>d. Fuel System : Fuel Tank Arrangement, Fuel Tank, Fuel Stainer, Fuel Injection Pump, Fuel Nozzle Assy, Fuel Piping & Fitting, Fuel Pump With DC Motor, Fuel Filter Assy, Pre Fuel Tank.</p> <p>e. Lube Oil System : f. Lube Oil Assy, Lube Filter/Element, Lube Oil Cooler, Lube Oil Pipe System, Preliminary Lubrication Pump Assy, Oil Pump, Realy Valve, Oil Pressure, low Oil Switch</p>
2.	SISTIM KONTROL : LOKOMOTIF, KERETA REL DIESEL/LISTRIK, PEMBANGKIT LISTRIK	Resistor Dynamie Brake, Thrystor Regulator Assy, Relay Contractor, Interlock Magnet Switch Reserver, Control Group, Compartment with Doors and Covers, Panel, Terminal Board, Voltage Regulator, Circuit Breaker, Dead Man Pedal System, Motor Start, Pressure Switch, Throttle Valve, Patograph, GTO Inverter.
3.	SISTIM TRANSMISI LISTRIK : LOKOMOTIF, KERETA REL, LISTRIK	<p>a. Traction, Exciter, Aux, Generator : Field Coils, Armature, Gear Case, Brush Holder & Carbon Brush, Power Take Off Gear Unit, Bearing, Auxiliaries</p> <p>b. Traction Motor : Housing Field Coils Armature, Gear Box, Brush, Holder & Carbon Brush, Bearing, Duet TM, Motor Suspension, Accessories TM, Starting Motor Assy, Arnature Shaft, Pinion & Draft Gear, Rewinding Kit, Traction Motor Assy. Pressure, low Oil Switch</p>
4.	SISTIM TRANSMISI HIDROLIK LOKOMOTIF, KERETA REL DIESEL	<p>a. Turbo Transmission: House Assy, filter Pump, Main Control, Output Drive, Reversing, Valve, Step UpGear, Gear Wheels, Cover Rotor Uniform Part Input & Output Drive Part, Intermediate Shaft Selector Parts, Selection Seavenger Pump, Transmission Suspension, Electric Instrument, pressure Switch.</p> <p>b. Gardan Shaft Assy: Gardan Shaft, Joint Coupling.</p>
5.	SISTEM PENGGEREMAN : LOKOMOTIF, KERETA REL, DIESEL/LISTRIK, KERETA GERBONG	<p>a. Air Brake System : Air Compressor and Spare Parts, Check, Valve, Angle Cock, Hose Connection & Pipe, Air Reservoir, Drain Cock & Stop Cock, Valve Parts, Brake Coupling, Cylinder, automatic, Drivers, Brake, Double Check Valve With Rubber Packing, Charge Over Cock, Charging Out Off Pilot, Regulating Cylinder, Tast Ventel, Bell/Horn, Window Wipper, Arrangement, Brake Shoe, Distributor Valve Assy, Slang Air Brake, Slack Adjuster, Emergency Brake, Inner Parts, Parts Distributor Valve.</p> <p>b. Hand Brake and Brake Mechanism : Ringging, Hand Brake Lever, Sand Blaser.</p>
6.	BOGI LOKOMOTIF, KERETA REL, DIESEL,,/LISTRIK, KERETA GERBONG	<p>a. Bogie Assembly</p> <p>b. Wheel and Axle assembly : Combined/Wheel Set, Axle, Driver Gear, Journal Bearing, Bearing, Axle Box.</p> <p>c. Journal Box and Spring Assembly</p> <p>d. Swing Bolster Assembly : Center Plate Assembly & Center M, Upper and Lower Swing Bolster Assembly, Spring, Assembly, Vertical & Horizontal Oil Damper, Snubber, Conical Rubber Bounled, Pegas Daun, Rubber Block Rem, T Link, Colipper, Shock Absorber & Kit, Antimonium & Banka Tin, Pin & Brush, Kawat Las Roda, Wear Plate, Tas Pot, King Pen, Swingen Pendel, Rubber journal Spring, Bahan Baja Pegas</p>

7.	BODI LOKOMOTIF, KERETA REL, DIESEL/LISTRIK KERETA GERBONG	a. Under Frame and Platform: Car Body to Traction Motor, Cable Connector, Couple Arrangement, Power Plant Mocenting, Uncompling Lever Arrangement, Cable Clamps Steel, Train Line Jumper & Receptable, Platform Signal Light Arrangement, Side Steps & Hand Rail, Way Side & battery Receptable. b. Nose Cab Assembly, Roof Flap to Engine c. Operator Cab Assembly : Operator Cab, accessories, Arrangement, Control Console, Engine Gauge Panel, Slidding Window, Window Wing, Dome Light Arrangement, Dours latch control Arrangement, Switch sander & Dead Man, Engine Cab, Blower Unit, Signal Middle Front & Rear. d. Lantai : Pelat Baja Gelombang, Unitex e. Exterior : f. Accessories Interior: Kursi, Plate Aluminium, Rak Barang, Las Kursi, Ceiling Fan, Exhaust Fan, Melamine Plastic Hard Board. g. Module Lavatory: Module Floor Stainless Steel, Module GFRP
8.	ALAT PERANGKAT OTOMATIS LOKOMOTIF, KERETA REL DIESEL/LISTRIK, KERETA GERBONG	Automatic Coupler Assy, Coupler Body, Knuckle, Rubber Draft gear.
9.	ALAT BANTU LOKOMOTIF, KERETA REL, DIESEL/LISTRIK, KERETA GERBONG	a. Safety Auxiliary : Fire Extinghuiser, Day Light Signal Arrangement, Head Light Assy, Signal Device with Fuse, Radio Locomotive, Water Treatment for Engine Cooling System. b. Indicator Speed Auxiliary : Speedo Meter, Auxiliary of Electric Connection, Locomotive Cable & Wire, Terminal Connection, Fitting Parts. c. Battery & Kallilog d. Couple Electric, MCB, Matching Cable. Distributor Valve.
10.	MESIN PENYEGAR UDARA LOKOMOTIF, KERETA REL, DIESEL/LISTRIK, KERETA	Motor Compressors, Blower, Condensor, Thermostatic Expansion Valve, Filter Drier Low & High Pressure Cut Out Switch, Discharge By pass Valve, contractor, relay, Circuit Breaker.
II	PRASARANA KERETA API	
1.	SISTEM PERSINYALAN KERETA API :	
	a. SIGNAL DIESEL GENERATOR	Engine Controller, Voltage regulator, Diesel Spare Part, Generator Spare part
	b. POWER CUBICLE	Control Transformer, Contact Block, Phase Monitor, Circuit Breaker, Automatic, Transfer Switch, Control Board, Disconnected Switch, Ammeter, Voltmeter, Fuses
	c. SIGNAL POWER CUBICLE	Fuses, Circuit Breaker, Aux, Contact, Transformer relay, relay socket, DC Multi Voltmeter, DC/AC Voltmeter, AC Ammeter, Indication Lamp, Bypass Switch, Inverter, Battery Charger, Battery Bank.
	d. BATTERY CHARGER	Elec. Power failure Switch, Electronic control Board, DC Ammeter, DC Voltmeter, Fuses, Transistor Power Stage, Silicon Diode output Bypass Assembly
	e. INVENTARIS	Electronic Control Board, Reverse Polarity Circuit Board AC, Voltmeter, Dual SCR Module, Power Block, Transistor Module Static Transfer Switch, frequency Mater, Transformer
	f. PERALATAN TELEKOMUNIKASI UNTUK PERSINYALAN	Telephone Concentrator, Telephone Console, Signal Post Telephone, Level Crossing telephone, Talk back, Master talk Back, Checck Log, Spare Part, Modern optical Fiber Spare Communications
	g. PANEL (LOKAL & PUSAT)	Control Panel/Work Station, Push Button, Indicator, Key Switch, Tracker Ball, Mouse, Cover Plate, Minilc Panel, Frame, Programmable Logic Controller, Indication Lamp.
	h. RAK MODUL	Rack Mounting Spare, relay, relay holder, case & Frame, Inverter, Equilizer, Resistor, Power Supply, Transformer, Earthing/ Lighting Protection Material.
	i. VITAL PROCESSING INTERLOCKING (VPI) (PERSINYALAN SISTEM VPI)	VPI Housing Input Board, Output Board, PD Board, CPU/PD Board, CSEX Board, DI DI Board, VRD Board, AC/DC Converter, Power Supply Vital/Non Vital, I O Bus, Hardness Wire, Plug Coupler, VPI, Tester, Workstation, Hand Held Terminal.
	j. WAYSIDE SPARE	POINT Machine, Rodding, Electric Lock, Point Detector, Impedancy Bond, Track Circuit, Axle Counter, Pulsat Transmitter, Pulsat Receiver, Whell Detetion, Axle Counter Evaluation, Axle Counter Master/Slave, Rail Insulation, Insulated, Rail Join, Rail Connector Tools, Signal, Signal Lamps, Signal Lens, Level, Crossing, Rail Tools.
	k. SIGNAL ANSALDO (PERSINYALAN SISTEM ANSALDO)	Genisys Control System, Relay P 150, Industrial Relay, Remote, Switch Relay, Block System Equipment, Panel Control Spare Part, Genisys Workstation, Timer Control Card.

	l. SIGNAL SOLID STATE INTERLOCKING (SSI) (PERSINYALAN SISTEM SSI)	Multi Processor, Module, Panel, Processor Module, Data Link Module, Track Function Module, Multi Plexer, Scanner, Technician Terminal, Data Link, Diagnosite Module, Surge Arrester, Lighting Protection, Safety Fuses, SSI-Tester, SSI Workstation/ Software.
	m. WASTRACE INTERLOCKING (PERSINYALAN SISTEM WESTRACE)	Support Equipment, Consumbale Spare, Compulsary Spares, Westrace, Module, telemetry Control System, Optical Fibre Spare, Communication, Level, Crossing Control, Workstation/Earthing Material.
	n. PERSINYALAN SISTEM VPI-DERI	Vital Link TEML-20 System, M.L Audio Frequency, Track Circuit T-21, Modern, TEML-41, Master Controller, Operator Control Unit, Transgformer Power, DC/DC Converter, Panel Control Spare Part.
	o. SIGNAL MODULAR INTERLOCKING SYSTEM 801 (MIS 801)	Module Mis. 801, Module Block System, Fuse Cartridge, Cover Plate, Optical Signal, Signal Lens, Relay Signal DRS-60, Relay Signal K-50
	p. SINYAL MEKANIK	Indikator Blok, Kawat Baja 4 mm, Kawat Baja 5 mm, Kontak Rel, Kunci Listrik, Roda Kawat, Token Less, Block, Interlocking Spare Part, Perkakas Hendel, Hendel, sentil, Lengan Sinyal, Semat, Roda Wesel.
2.	ALIRAN ATAS (OHC) (Khusus Kereta Rel Listrik/KRL)	Lighting, Arrester, Steady Brace, Section Insulator, Half Section, Steady Arm, Synthetic, Hanger Insulator, Cross Clamp, Feed Ear, FRP, Disconnecting Switch, Suspension Insulator, Pole band, Wire Clip, Compression, Dead End Clamp, Dead End Fitting, Compression Term, Sleeve, Compression, Anchor, Fitting, Compression, Terminal, Connector Clamp, Double Ear, Hanger Ear, hanger Bar, Wire Terminal, Automatic, Tensioning Device, Wire Terminal, Automatic Tensioning Device, Wire Turbuckle, Full of Fitting, Line Guard, Arching Horn, Copper Standend Wire, CV Cable, Cable Head, trolley, Wire, Drum Jack, With Shaft M-T, Tension Meter, tension Hoist, Hand Wineh, voltage, Detector, Insulated Ladder, Cattenary Measuring.
3.	GARDU LISTRIK (Khusus Kereta Rel Listrik/KRL)	Fixed Contact, Moving Contact, Movable Are, Contact, HSCB, Fixing Are, Contact HSCB, Voltage Sensor, UPS Remote Control, Module Do, Modul D1 Modern, Module CPU, Power Unit Power Signal Hut/cabin, Open Current relay, Motor Charting, Isolating Measuring, Amplifier, Relay 126C, Board 1500 VRS in te (RSS), Restifier 3 Mw. Auxiliaries Borad in RSS, Automatic Programmable, Low Voltage, CableIncluding, Cable DC 1500 V, Ligting Arrester in circuit Breaker, Cabinet, Earthing System Height Speed Circuit Breaker, Vacuum Circuit Breaker Remote Supervisory control, Fuse Element, Auxiliary Relay, Delta I relay, DC Reserve,, Current Relay, DC Recording Ammeter, Closing Coil, Tripping Coil, batery for Subtation, CR 700-2 Subracks for Central Controller, PS 951 Power Supply Module, CPU Module for Central Task, Adaptor Casing, TM II SL Transmission, 490 Front Connector for Screw Terminal, 430-7 Digital Inpit Module, IM 306 interface module for 35-11 SU/F, central Unit #CUDI# with Drop, Digital Signal Channel V24, Regenerative Repeater 2 G, Line Up, Terminal unit Itc, Modern MD 124, Capcitor, Disconnecting Switch, Test Equipment, Tool for Substation.
4.	SISTEM KOMUNIKASI KERETA API	
	a. SISTEM RADIO MIKROWAVE DIGITAL/ ANALOG KERETA API	Digital Transmitter : Modulator, Up., Converter, Local, Oscilator, Amplifier RF, Digital Receiver : Demodulator, Down Converter, Local Oscilator, Amplifier RF.
	b. SISTEM ANTENA PARABOLA	2M Gridpak Antene, 3 M Gridpak Antene, 4 M Gridpak c/w Mounting Tower.
	c. SISTEM CATU DAYA	Generator : Genset, Rectifier, Barttery, Panel, Distribution, Filter Solar Cell : Solar Cell, Panel Solar/Control FLC, Rectifier, Battery
	d. PERALATAN DIGITAL/ ANALOG MULTITIPLEKS	Third order Multiplex, Second Order Multiplex, Primary PCM Multiplex, Drop/Insert Multiplex, FDM Multiplex, Terminating Circuit Card.
	e. TRAIN DISPATCHING SYSTEM (SYSTIM PENGATURAN PERJALAN KERETA API)	Terminal Equipment, relay Station Vhf, Link Equipment, Way Station Radio, Way Wire Station, Locomotive Radio, Utility Radio System Base Station Radio, URS Way Station Radio, URS Locomotive Radio, TD Longger Cartridge Tape, URS Locomotive Radio.
	f. REMOTE CONTROL SUPERVISORY SYSTEM	RSCC Regional Control Centre, Combined SCC/RSCC, Sub Station, Sensor Accessories.
	g. SUKU CADANG, PERALATAN UJI BALAI YASA	Radio Link Equipment Spare Unit, Power Supply Equipment Spare, PCM, Multiplex Spare Unit, Train Dispatching System Sapre Unit, Supervisory System Spare Unit, Test Equipment Microwave, Test Equipment PCM Multiplex, Test Equipment Spare Centre, Test Equipment Maintenance, Training Equipment, Workshop Facilities.
	h. SENTRAL, TELEPON OTOMAT KERETA API (TOKA)	Basis System Equipment, Processor Magazine, Common Cards, Port Cards, Line Filter Magazine, Group Switch Magazine, Power Equipment
	i. JARINGAN TELEX KERETA API	TWKP, KLV, T 100 S, AT & T
	j. SALURAN FISIK	Fibre Optic Cable, Ground Cable, Open Wire, Air Cable, Drop Wire XLPE

		Cable.
5.	JALAN REL, DAN JEMBATAN KERETA API	Rail, Switch/Turn Out, Rail fastening, Siceper (Bantalan), Steel Bridges.
6.	FASILITAS STASIUN KERETA API	Sistem Tayangan Jadwal KA, CCTV untuk Ticketing KA, Vending Machine (Kartu Ticket KA), Automatic Locker
III.	PERALATAN UNTUK PERBAIKAN/ PEMELIHARAAN KERETA API	Hand Tie Temper Machine (HTT), Multi Tie Temper Machine (MTT), Ballast Profiling Machine (BBR/USP/SSP, Ballasticompactor Machine (UDM), Ballast Clearing Machine, Rail Welding Machine (TG), Track Recording Car (EM 120), Hydraulic Tamping Machine (HRM), Track Motor Car, Rail Jack, Track Gage Measurement Device, Rail Optic, Rail Lubricator, Mactrack, Rail Ultrasonic Test, Ultrasonic Thickriess Indikator, Toolkit Engine, Rollers For Sliding Bridge, Manual Jack, Hydraulic Jack, Hand Which, Which Machine, Air Impact Wrench, Torsion Wrench/Installation Tool For Bolts, Rivet Cutter, Trolley, Air Compressor Machanic, Boring, Machanic, Pneumatic, Riveting Machine, Bad Saw Machanic, Flame Cutting Machanic, Boring Machanic Welding Machanic, Gantry Crane, Over Head and Mobile Crane, Rivet Stamping, Machine, Grinding machanic/Profil, Electric Heater Furnace for Rivel, Blasting Machine Bending Machanic, Pulling Machanic (Track), Rail Abrasive, Cutting Machanic, Waterpass (Level), Echo Sounding Devices, Airless Spray Painting, Paint Thickness Mater, Hygrometer, Dew Point, Calculator, Magnetic Steel Thermometer, Hight Strength Bolt/Huck, Bolt, Rivel, Ordinary Bolt, Drift Pins, Steel Grid, Paint, Drill Bits, Reamer, Spesial Stellfor Machine Purpose, Water Pump, Tackle Block, Steel Reinforcement, Pneumatic Concrete Breaker, Bubut Roda, Bubut Umum, Mesin Tes Pegas, Bogiie, Cam Industry, Equipment : Soil Investigation, Soil Laboratory, Ballast Testing Geodetic.

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PRIJADI PRAPTOSUHARDJO

**TATA CARA PEMBERIAN DAN PENATA USAHAAN PAJAK PERTAMBAHAN NILAI
DIBEBASKAN ATAS IMPOR DAN ATAU PENYERAHAN BARANG KENA PAJAK TERTENTU
DAN ATAU PENYERAHAN JASA KENA PAJAK TERTENTU.**

- I. Untuk Impor Barang Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 1 huruf a, b, c, d, e, f, dan g
 1. Permohonan untuk memperoleh Surat Keterangan Bebas Pajak Pertambahan Nilai harus diajukan TNI atau POLRI atau PT. PINDAD atau orang atau badan lainnya yang mengimpor Barang Kena Pajak Tertentu kepada Direktur Jenderal Pajak.
 2. TNI atau POLRI atau PT. PINDAD atau orang atau badan lainnya yang mengimpor Barang Kena Pajak Tertentu, melakukan sendiri perhitungan Pajak Pertambahan Nilai yang seharusnya terutang dan mencantumkan jumlah Pajak Pertambahan Nilai tersebut dalam Pemberitahuan Impor Barang dan Surat Setoran Pajak.
 3. TNI atau POLRI atau PT. PINDAD atau orang atau badan lainnya yang mengimpor Barang Kena Pajak harus menyerahkan Surat Keterangan Bebas Pajak Pertambahan Nilai beserta dokumen Pemberitahuan Impor Barang dan Surat Setoran Pajak sebagaimana dimaksud pada angka 2 kepada Bank Devisa atau Direktorat Jenderal Bea dan Cukai.
 4. Bank Devisa atau Direktorat Jenderal Bea dan Cukai setelah menerima dokumen sebagaimana dimaksud dalam angka 3, membubuhkan cap #PPN DIBEBASKAN SESUAI PP NOMOR 146 TAHUN 2000# pada setiap lembar Surat Setoran Pajak pada saat penyelesaian dokumen impor serta mencantumkan Nomor dan Tanggal Surat Keterangan Bebas Pajak Pertambahan Nilai pada semua lembar Pemberitahuan Impor Barang dan Surat Setoran Pajak, dan bukti pemungutan pajak atas impor.
 5. Asli Surat Setoran Pajak, bukti pemungutan pajak atas impor dan dokumen Pemberitahuan Impor Barang diserahkan kepada importir untuk keperluan pengeluaran barang, sedangkan tinasannya disertai dengan Surat Pengantar, disampaikan kepada Direktorat Jenderal Pajak c.q. Kepala Kantor Pelayanan Pajak di tempat kedudukan Bank Devisa atau Kantor Direktorat Jenderal Bea dan Cukai yang bersangkutan setiap bulan paling lambat tanggal 5 bulan berikutnya.

- II. Untuk Penyerahan Barang Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 1 huruf a, b, c, d, e, f, dan g
 1. Permohonan untuk memperoleh Surat Keterangan Bebas Pajak Pertambahan Nilai harus diajukan TNI atau POLRI atau PT. PINDAD atau orang atau badan lainnya yang menerima penyerahan Barang Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 1 huruf a, b, c, d, e, f dan g kepada Direktur Jenderal Pajak.
 2. TNI atau POLRI atau PT. PINDAD atau orang atau badan lainnya yang menerima penyerahan Barang Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 1 huruf a, b, c, d, e, f dan g harus menyerahkan Surat Keterangan Bebas Pajak Pertambahan Nilai kepada Pengusaha Kena Pajak yang menyerahkan Barang Kena Pajak Tertentu.
 3. Orang atau badan lainnya yang menerima penyerahan Barang Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 1 huruf h tidak diwajibkan memiliki Surat Keterangan Bebas Pajak Pertambahan Nilai yang diterbitkan oleh Direktur Jenderal Pajak.
 4. Setelah menerima Surat Keterangan Bebas Pajak Pertambahan Nilai, Pengusaha Kena Pajak yang menyerahkan Barang Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 1 huruf a, b, c, d, e, f dan g wajib menerbitkan Faktur Pajak dan membubuhkan cap "PPN DIBEBASKAN SESUAI PP NOMOR 146 TAHUN 2000" serta mencantumkan Nomor dan Tanggal Surat Keterangan Bebas Pajak Pertambahan Nilai pada setiap lembar Faktur Pajak dimaksud.
 5. Khusus untuk Pengusaha Kena Pajak yang menyerahkan Barang Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 1 huruf h, wajib menerbitkan Faktur Pajak dan membubuhkan cap "PPN DIBEBASKAN SESUAI PP NOMOR 146 TAHUN 2000" pada setiap lembar Faktur Pajak dimaksud, tanpa adanya Surat Keterangan Bebas Pajak Pertambahan Nilai.
 6. Pengusaha Kena Pajak yang menyerahkan Barang Kena Pajak Tertentu menyampaikan asli Faktur Pajak yang telah dicap tersebut di atas kepada TNI atau POLRI atau PT PINDAD atau orang atau badan lainnya yang menerima penyerahan Barang Kena Pajak Tertentu. Tinasannya disampaikan kepada Direktorat Jenderal Pajak sebagai Lampiran Surat Pemberitahuan Masa Pajak Pertambahan Nilai.

- III. Untuk Penyerahan Jasa Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 2
 1. Orang atau badan lainnya yang menerima penyerahan Barang Kena Pajak tidak perlu menyerahkan Surat Keterangan Bebas Pajak Pertambahan Nilai kepada Pengusaha Kena Pajak yang menyerahkan Jasa Kena Pajak Tertentu karena Surat Keterangan Bebas Pajak Pertambahan Nilai tidak diperlukan untuk penyerahan Jasa Kena Pajak Tertentu sebagaimana dimaksud dalam Pasal 1 angka 2.
 2. Pengusaha Kena Pajak yang menyerahkan Jasa Kena Pajak Tertentu, wajib menerbitkan Faktur Pajak dan membubuhkan cap "PPN DIBEBASKAN SESUAI PP NOMOR 146 TAHUN 2000" pada setiap lembar Faktur Pajak dimaksud.
 3. Pengusaha Kena Pajak yang menyerahkan Jasa Kena Pajak Tertentu menyampaikan asli Faktur Pajak yang telah dicap tersebut di atas kepada orang atau badan lainnya yang menerima penyerahan Jasa Kena Pajak Tertentu. Tinasannya disampaikan kepada Direktorat Jenderal Pajak sebagai Lampiran Surat Pemberitahuan Masa Pajak Pertambahan Nilai.

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