



PERATURAN
DIREKTUR JENDERAL INDUSTRI LOGAM, MESIN, ALAT TRANSPORTASI DAN
ELEKTRONIKA
KEMENTERIAN PERINDUSTRIAN
NOMOR 6 TAHUN 2025
TENTANG
RINCIAN KOMPONEN UTAMA BARANG SEKTOR INDUSTRI LOGAM, MESIN,
ALAT TRANSPORTASI DAN ELEKTRONIKA UNTUK PENGHITUNGAN NILAI
TINGKAT KOMPONEN DALAM NEGERI

DENGAN RAHMAT TUHAN YANG MAHA ESA

DIREKTUR JENDERAL INDUSTRI LOGAM, MESIN, ALAT TRANSPORTASI
DAN ELEKTRONIKA
KEMENTERIAN PERINDUSTRIAN

- Menimbang : bahwa untuk untuk melaksanakan ketentuan Pasal 5 ayat (3) Peraturan Menteri Perindustrian Nomor 35 Tahun 2025 tentang Ketentuan dan Tata Cara Sertifikasi Tingkat Komponen Dalam Negeri dan Bobot Manfaat Perusahaan, perlu menetapkan Peraturan Direktur Jenderal Industri Logam, Mesin, Alat Transportasi Dan Elektronika Kementerian Perindustrian tentang Rincian Komponen Utama Barang Sektor Industri Logam, Mesin, Alat Transportasi Dan Elektronika Untuk Penghitungan Nilai Tingkat Komponen Dalam Negeri.
- Mengingat : 1. Undang-Undang Nomor 3 Tahun 2014 tentang Perindustrian (Lembaran Negara Republik Indonesia Tahun 2014 Nomor 4, Tambahan Lembaran Negara Republik Indonesia Nomor 5492) sebagaimana telah beberapa kali diubah terakhir dengan Undang-Undang Nomor 6 Tahun 2023 tentang Penetapan tentang Penetapan Peraturan Pemerintah Pengganti Undang-Undang Nomor 2 Tahun 2022 tentang Cipta Kerja menjadi Undang-Undang (Lembaran Negara Republik Indonesia Tahun 2023 Nomor 41, Tambahan Lembaran Negara Republik Indonesia Nomor 6856);
2. Peraturan Pemerintah Nomor 29 Tahun 2018 tentang Pemberdayaan Industri (Lembaran Negara Republik Indonesia Tahun 2018 Nomor 101, Tambahan Lembaran Negara Republik Indonesia Nomor 6220);
3. Peraturan Pemerintah Nomor 28 Tahun 2021 tentang Penyelenggaraan Bidang Perindustrian (Lembaran Negara Republik Indonesia Tahun 2021 Nomor 38, Tambahan Lembaran Negara Republik Indonesia 6640) sebagaimana telah diubah dengan Peraturan Pemerintah Nomor 46 Tahun 2023 tentang Perubahan atas Peraturan Pemerintah Nomor 28 Tahun 2021 tentang Penyelenggaraan Bidang Perindustrian (Lembaran Negara

- Republik Indonesia Tahun 2023 Nomor 119, Tambahan Lembaran Negara Republik Indonesia 6891);
4. Peraturan Presiden Nomor 167 Tahun 2024 tentang Kementerian Perindustrian (Lembaran Negara Republik Indonesia Tahun 2024 Nomor 363);
 5. Peraturan Menteri Perindustrian Nomor 1 Tahun 2025 tentang Organisasi dan Tata Kerja Kementerian Perindustrian (Berita Negara Republik Indonesia Tahun 2025 Nomor 34);
 6. Peraturan Menteri Perindustrian Nomor 35 Tahun 2025 tentang Ketentuan dan Tata Cara Sertifikasi Tingkat Komponen Dalam Negeri dan Bobot Manfaat Perusahaan (Berita Negara Republik Indonesia Tahun 2025 Nomor 687).

MEMUTUSKAN:

Menetapkan : PERATURAN DIREKTUR JENDERAL INDUSTRI LOGAM, MESIN, ALAT TRANSPORTASI DAN ELEKTRONIKA KEMENTERIAN PERINDUSTRIAN TENTANG RINCIAN KOMPONEN UTAMA BARANG SEKTOR INDUSTRI LOGAM, MESIN, ALAT TRANSPORTASI DAN ELEKTRONIKA UNTUK PENGHITUNGAN NILAI TINGKAT KOMPONEN DALAM NEGERI.

Pasal 1

Dalam Peraturan Direktur Jenderal ini yang dimaksud dengan:

1. Industri adalah seluruh bentuk kegiatan ekonomi yang mengolah bahan baku dan/atau memanfaatkan sumber daya Industri sehingga menghasilkan barang yang mempunyai nilai tambah atau manfaat lebih tinggi, termasuk jasa Industri.
2. Tingkat Komponen Dalam Negeri yang selanjutnya disebut TKDN adalah besaran kandungan dalam negeri pada barang, jasa, serta gabungan barang dan jasa.
3. Komponen Utama adalah bagian atau unsur pokok yang membentuk, menentukan, dan memengaruhi fungsi, mutu, serta karakteristik suatu barang.
4. Menteri adalah menteri yang menyelenggarakan urusan pemerintahan di bidang perindustrian.
5. Direktur Jenderal adalah pejabat pimpinan tinggi madya di lingkungan Kementerian Perindustrian yang mempunyai tugas, fungsi, dan wewenang untuk membina dan mengembangkan Industri Logam, Mesin, Alat Transportasi Dan Elektronika.

Pasal 2

- (1) Menetapkan Rincian Komponen Utama untuk penghitungan nilai TKDN Barang Sektor Industri Logam, Mesin, Alat Transportasi Dan Elektronika sebagaimana tercantum dalam Lampiran yang merupakan bagian tidak terpisahkan dari Peraturan Direktur Jenderal ini.

- (2) Rincian komponen utama sebagaimana dimaksud pada ayat (1) digunakan untuk penghitungan nilai TKDN Barang yang dilakukan oleh pelaku usaha industri kecil, industri menengah, dan/atau industri besar.

Pasal 3

- (1) Direktur Jenderal melakukan peninjauan dan evaluasi terhadap Rincian Komponen Utama sebagaimana dimaksud dalam Pasal 2 paling sedikit 1 (satu) kali dalam 1 (satu) tahun dan sewaktu-waktu apabila diperlukan.
- (2) Berdasarkan hasil peninjauan dan evaluasi sebagaimana dimaksud pada ayat (1), Direktur Jenderal dapat melakukan perubahan terhadap Rincian Komponen Utama Barang Sektor Industri Logam, Mesin, Alat Transportasi Dan Elektronika setelah mendapat persetujuan dari Menteri.

Pasal 4

Peraturan Direktur Jenderal ini mulai berlaku pada tanggal ditetapkan.

Ditetapkan di Jakarta
pada tanggal 12 Desember 2025

DIREKTUR JENDERAL
INDUSTRI LOGAM, MESIN, ALAT
TRANSPORTASI DAN ELEKTRONIKA,
KEMENTERIAN PERINDUSTRIAN



SETIA DIARTA

LAMPIRAN
PERATURAN DIREKTUR JENDERAL
INDUSTRI LOGAM, MESIN, ALAT
TRANSPORTASI DAN ELEKTRONIKA
KEMENTERIAN PERINDUSTRIAN
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A. SEKTOR INDUSTRI LOGAM

1. 24101 – Industri Besi Dan Baja Dasar (Iron And Steel Making)

No	Jenis Barang	Uraian Komponen Utama
1	Steel Billet	Skrap Baja
		Iron Ore
		Blok Aluminium / Kapur
		Energi
2	Steel Slab	Skrap Baja
		Iron Concentrate
		Direct Reduction Iron (DRI)
		Coal / Natural Gas
		Limestone
		Burnt Limestone
		Slag Depressant
		Aluminium Pellet
		High Carbon FeMn / Low Carbon FeMn / FeMn / Medium Carbon FeMn
		Desulfurizer
		Energi

2. 24102 – Industri Penggilingan Baja (Steel Rolling)

No	Jenis Barang	Uraian Komponen Utama
1	Baja Profil Canai Panas	Billet / Beam Blank / Bloom
		Energi
2	Wire Rod	Billet
		Energi
3	Wire Rope	Wire
		Reel / Drum / Haspel
		Energi
4	Baja Tulangan Beton	Billet
		Energi
5	Baja Praktakan – PC Bar	Wire Rod
		Energi

6	Baja Pratekan – (PC Wire / PC Strand)	Wire Rod
		Reel / Drum / Haspel / Woven Slitting
		Energi
7	Steel Plate	Steel Slab / Hot Rolled Coil
		Energi
8	Hot Rolled Coil / Hot Rolled Sheet	Slab
		Energi
9	Cold Rolled Coil / Cold Rolled Sheet	Hot Rolled Coil
		Energi
10	Baja Lapis Seng (BjLS)	Hot Rolled Coil / Cold Rolled Coil
		Zinc Ingot
		Passivation Chemical
		Surface Chemical
		Consumable Chemical
11	Baja Lapis Aluminium Seng (BjLAS)	Energi
		Cold Rolled Coil
		Aluminium Ingot
		Zinc Ingot
		Passivation Chemical
		Surface Chemical
12	Baja Lapis Seng Aluminium Magnesium (BjLAM)	Consumable Chemical
		Energi
		Cold Rolled Coil
		Zinc Ingot
		Aluminium Ingot
		Magnesium Ingot
		Passivation Chemical
Surface Chemical		
13	Baja Lapis Warna	Consumable Chemical
		Energi
		BjLS / BjLAS / BjLAM
		Cat
		Surface Chemical
14	Baja Profil Las	Consumable Chemical
		Energi
		Hot Rolled Coil / Cold Rolled Coil / Narrow Strip
		Welding Consumable
		Energi

3. 24103 – Industri Pipa dan Sambungan Pipa Dari Baja dan Besi

No	Jenis Barang	Uraian Komponen Utama
1	Mother Pipe	Round Billet
		Energi
2	Green Pipe	Round Billet / Mother Pipe
		Energi
3	Plain End Pipe Non Heat Treated	Green Pipe
		Energi
4	Plain End Pipe Heat Treated	Green Pipe
		Energi
5	Finish Threaded Casing Pipe Seamless (Heat Treated / Non Heat	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated
		Coupling / Flush Joint

		Protector
		Coating / Pelapis
		Thread Compound
		Energi
6	Finish Threaded Tubing Pipe Seamless (Heat Treated / Non Heat Treated/Upsetted/Non Upsetted)	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated / Plain End Pipe Heat Treated Upsetted / Plain End Pipe Heat Treated Non-Upsetted / Plain End Pipe Non Heat Treated Upsetted / Plain End Pipe Non Heat Treated Non-Upsetted
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
		Energi
7	Conductor Pipe Seamless (Heat Treated / Non Heat Treated)	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated
		End cap
		Coating / Pelapis
		Energi
8	Line Pipe Seamless (Heat Treated / Non Heat Treated) Bevelled	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated
		End Cap
		Coating / Pelapis
		Energi
9	Welded Pipe	Steel plate / Steel coil
		Welding Consumable
		Coating / Pelapis
		Protector / End Cap
		Energi
10	Conductor Pipe Welded	Steel Plate / Steel Coil
		Welding Consumable
		Coating / Pelapis
		Protector / End Cap
		Connector
		Energi
11	Line Pipe Welded	Steel Plate / Steel Coil
		Welding Consumable
		Coating / Pelapis
		Protector / End Cap
		Energi
12	Structural Welded Pipe	Steel Plate / Steel Coil
		Welding Consumable
		Coating / Pelapis
		Protector / End Cap
		Energi
13	Seamless Tubing / Casing Coupling / Flow Coupling	Plain End Pipe / Steel Coupling Stock
		Storage Compound
		Coating / Pelapis
		Phospating Material
		Protector
		Energi

14	Casing / Tubing Pack Off	Casing / Tubing
		Hollow Bar Steel
		Steel Plate
		Fastener
		Welding Consumable
		Phosphating Material
		Coating / Pelapis
		Rubber / Asbes
15	Inflatable Casing Packer	Energi
		Steel Coupling Stock
		Hollow Bar Steel
		Steel Plate
		Rubber
		Phosphating Material
16	Flange	Energi
		Rough Forging / Billet
		Coating / Pelapis
		Protector
17	Fitting Forging	Energi
		Rough Forging
		Coating / Pelapis
18	Fitting Buttweld	Energi
		Seamless Pipe Plain End
		Coating / Pelapis
		Protector
19	Thermal Expansion Joint / Safety Joint	Energi
		Steel Coupling Stock
		Solid Bar / Hollow Bar Steel
		Rubber
		Phosphating Material
		Coating / Pelapis
		Fastener
20	Finish Threaded Pup Joint Casing Seamless (Heat Treated / Non Heat Treated)	Energi
		Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
21	Finish Threaded Pup Joint Tubing Seamless (Heat Treated / Non Heat Treated / Upsetted / Non Upsetted)	Energi
		Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated / Plain End Pipe Heat Treated Upsetted / Plain End Pipe Heat Treated Non-Upsetted / Plain End Pipe Non Heat Treated Upsetted / Plain End Pipe Non Heat Treated Non-Upsetted
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
		Energi

22	Finish Threaded Cross Over Seamless (heat treated / non heat treated)	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated / Hollow Bar Steel
		Coupling / Flush Joint
		Protector
		Phosphating Material
		Coating / Pelapis
		Thread Compound
		Energi
23	Pipe Nipple	Seamless Pipe Plain End Heat Treated / Seamless Pipe Plain End Pipe Non Heat Treated
		Coating / Pelapis
		Protector
		Energi
24	Seal Nipple / On-Off Tool	Hollow Bar / Solid Bar Steel
		Phosphating Material
		Protector
		Energi
25	Pipe Base Screen	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
		Round Wire Stainless Steel / Shroud
		Wire Mesh / Ceramic / Sintered Mesh / Broadcast Mesh Gravel Sand
Energi		
26	Water Well Screen	Round Wire Stainless Steel / Round Wire Carbon Steel
		End Ring
		Energi
27	Pipe Bend	Mother Pipe
		Coating / Pelapis
		Protector
		Energi
28	Finish Threaded Glass Reinforced Epoxy Tubing Pipe Seamless (Heat Treated / Non Heat Treated)	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated / Plain End Pipe Heat Treated Upsetted / Plain End Pipe Heat Treated Non-Upsetted / Plain End Pipe Non Heat Treated Upsetted / Plain End Pipe Non Heat Treated Non-Upsetted
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
		Glass Reinforced Epoxy Liner
		Corrosion Barrier Ring
		Energi
29	Finish Threaded Glass Reinforced Epoxy Pup Joint	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated / Plain

	Tubing Pipe Seamless (Heat Treated / Non Heat Treated)	End Pipe Heat Treated Upsetted / Plain End Pipe Heat Treated Non-Upsetted / Plain End Pipe Non Heat Treated Upsetted / Plain End Pipe Non Heat Treated Non-Upsetted
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
		Glass Reinforced Epoxy Liner
		Corrosion Barrier Ring
		Energi
30	Finish Threaded Polyethylene Tubing Pipe Seamless (Heat Treated / Non Heat Treated)	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated / Plain End Pipe Heat Treated Upsetted / Plain End Pipe Heat Treated Non-Upsetted / Plain End Pipe Non Heat Treated Upsetted / Plain End Pipe Non Heat Treated Non-Upsetted
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
		Polyethylene Liner
		Corrosion Barrier Ring
		Energi
31	Finish Threaded Polyethylene Pup Joint Tubing Pipe Seamless (Heat Treated / Non Heat Treated)	Plain End Pipe Heat Treated / Plain End Pipe Non Heat Treated / Plain End Pipe Heat Treated Upsetted / Plain End Pipe Heat Treated Non-Upsetted / Plain End Pipe Non Heat Treated Upsetted / Plain End Pipe Non Heat Treated Non-Upsetted
		Coupling / Flush Joint
		Protector
		Coating / Pelapis
		Thread Compound
		Polyethylene Liner
		Corrosion Barrier Ring
		Energi
32	Stop Collar Bevelled / Non-Bevelled Slip On	Plate
		Fastener
		Coating / Pelapis
		Energi
33	Stop Collar Latch On / Slip On	Plate
		Welding Consumable
		Fastener
		Coating / Pelapis
		Energi
34	Single Band / Rigid / Casing Centralizer Slip On	Plate / Coil
		Welding Consumable
		Coating / Pelapis
		Energi
35	Positive Rigid Casing Centralizer Latch On / Slip On	Plate / Coil / Sheet
		Welding Consumable

	(Welded / Non-Welded)	Fastener
		Coating / Pelapis
		Energi
36	Positive Rigid Straight / Spiral Type	Cast Steel
		Coating / Pelapis
		Energi
37	Guide Shoe	Solid Bar / Hollow Bar Steel
		Aluminium
		Concrete
		Phosphating Material
		Coating / Pelapis
		Energi
38	Dual Stage Cementing Collar	Steel Coupling Stock
		Fastener
		Aluminium
		Rubber
		Phosphating Material
		Coating / Pelapis
		Energi
39	Stab In Stinger	Solid Bar / Hollow Bar Steel
		Rubber
		Phosphating Material
		Energi
40	Cable Feedthru Tubing Hanger	Solid Bar / Hollow Bar Steel
		Steel Plate
		Fastener
		Rubber
		Phosphating Material
		Coating / Pelapis
		Energi
41	Gravel Pack Tool	Hollow Bar Steel
		Phosphating Material
		Rubber
		Energi
42	Lead Seal Packer / Lead Seal Connector to Liner	Hollow Bar Steel
		Timbal
		Phosphating Material
		Fastener
		Protector
		Energi
43	Swagging Tool / Setting Tool	Solid Bar / Hollow Bar Steel
		Rubber
		Coating / Pelapis
		Phosphating Material
		Energi
44	Turbulizer Bow Spring Casing Centralizer	Plate / Coil / Sheet
		Fastener
		Welding Consumable
		Coating / Pelapis
		Energi
45	Dual String Centralizer	Plate / Coil / Sheet
		Fastener
		Welding Consumable

		Coating / Pelapis
		Energi
46	Bow Spring Casing Centralizer (Welded / Non Welded)	Plate / Coil / Sheet
		Fastener
		Welding Consumable
		Coating / Pelapis
		Energi
47	Metal Petal Cement Basket	Plate / Coil / Sheet
		Welding Consumable
		Fastener
		Coating / Pelapis
		Energi
48	Special Clearance	Plate / Coil
		Welding Consumable
		Fastener
		Coating / Pelapis
		Energi
49	Rod Guide	Solid Bar Steel
		Fastener
		Bandsaw
		Phospating Material
		Bromus
		Protector
		Energi
50	Coupling / Sub Coupling Sucker Rod	Solid Bar Steel
		Phospating Material
		Protector
		Energi
51	Shear Coupling	Solid Bar Steel
		Fastener
		Kuningan
		Protector
		Phospating Material
		Energi
52	Bull Plug	Solid Bar / Hollow Bar Steel
		Plat / Sheet
		Welding Consumable
		Phosphating Material
		Coating / Pelapis
		Energi
53	Break Off Plug (Part for ESP Tubing Bleeder Valve)	Round Bar Brass
		Rubber
		Energi
54	Pipe Line Sleeve	Plat / Sheet
		Coating / Pelapis
		Energi
55	Elbow Sleeve	Cast Steel
		Coating / Pelapis
		Energi
56	Tiang Penerangan Jalan Umum	Pipa / Plat Baja
		Besi Beton
		Coating / Galvaniz
		Energi

57	Tiang Listrik	Pipa / Plat Baja
		Besi Beton
		Coating / Galvanis
		Dop (Tutup)
		Manset (Lakop)
58	Tiang Telekomunikasi	Energi
		Pipa / Plat Baja
		Dop (Tutup)
		Manset (Lakop)
		Besi Beton
59	Steel Pipe	Coating / Galvanis
		Energi
		Billet / Hot Rolled Coil / Cold Rolled Coil / BjLAS / BjLS / BjLAM
		Coating / Pelapis
60	Wheeled Rod	Wire Flux
		Energi
		Body
		Jurnal Bearing
		Pin
		Fastener
		Energi

4. 24202 – Industri Pembuatan Logam Dasar Bukan Besi

No	Jenis Barang	Uraian Komponen Utama
1	Batang (rod) tembaga / aluminium	Tembaga (Cu) / Aluminium (Al)
		Energi
2	Aluminium Ingot / Aluminium Billet	Alumina
		Skrap Aluminium
		Paduan Logam
		Energi

5. 24203 – Industri Penggilingan Logam Bukan Besi

No	Jenis Barang	Uraian Komponen Utama
1	Aluminium Plate	Aluminium Ingot / Aluminium Slab
		Energi

6. 24204 – Industri Ekstrusi Logam Bukan Besi

No	Jenis Barang	Uraian Komponen Utama
2	Aluminium Ekstrusi (Mill Finish)	Billet
		Energi
3	Aluminium Ekstrusi (Anodizing / Powder Coating)	Billet
		Coating / Pelapis
		Pickling Agent
		Energi

7. 25111 – Industri Barang Dari Logam Bukan Aluminium Siap Pasang Untuk Bangunan

No	Jenis Barang	Uraian Komponen Utama
1	Kolom Praktis	Wire Rod
		Baja Tulangan Beton
		Wire Mesh
		Kawat Pengikat

2	Pagar	Wire Rod / Wire Galvanis
		Steel Pipe / Besi Hollow
		Coating / Pelapis
		Fastener
3	Siku Lubang / Slotted Angle	Hot Rolled Coil / Plat
		Fastener
		Coating / Pelapis
4	Siku Sama Kaki	Billet / Bloom
5	Aksesoris Atap Metal (Metal Furing, Nok, Talang, Tight Frame)	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
6	Floor Deck / Bondeck	BjLS / BjLAS
7	Spandek / Roofdeck	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
8	Spandek Berpasir / Spandek Berbatu	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
		Pasir / Batu
		Resin / Perekat
9	Genteng Metal Berpasir / Genteng Metal Berbatu	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
		Pasir / Batu
		Resin / Perekat
10	Genteng Metal	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
11	Steel Grating	Steel Flat Bar
		Wire Rod
		Zinc Ingot
		Fastener
12	Sandwich Panel	BjLS Warna / BjLAS Warna / BjLAM Warna
		Expanded Polystyrene (EPS) / Concrete / Poly Urethane / Polyisocyanurate (PIR)
		Pengikat / Perekat
13	Expanded Metal	Hot Rolled Coil / Cold Rolled Coil / BjLS / BjLAS / BjLAM / Plat Aluminium
14	Pintu Baja Dengan Kaca	BjLS / BjLAS / BjLAM
		Engsel
		Fastener
		Coating / Pelapis
		Kaca
15	Pintu Baja Tanpa Kaca	BjLS / BjLAS / BjLAM
		Engsel
		Fastener
		Coating / Pelapis
16	Rangka Pintu / Rangka Jendela / Rangka Atap	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAM Warna
		Fastener
		Coating / Pelapis
17	Rolling Door	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
		Besi Siku
		Bottom Rail

		Pipa
		Kawat Baja
18	Pintu Tahan Api	BjLS / BjLAS / BjLAM / Hot Rolled Coil / Cold Rolled Coil
		Engsel
		Fastener
		Coating / Pelapis
		Rockwool / Vermiculite
		Panic Bar
19	Pintu Tahan Api Tanpa Aksesoris	BjLS / BjLAS / BjLAM / Hot Rolled Coil / Cold Rolled Coil
		Rockwool / Vermiculite
		Coating / Pelapis
20	Guard Rail	Hot Rolled Coil / BjLS
		Fastener
		Zinc Ingot
21	Gorong - Gorong	Steel Plate / BjLS / BjLAS / BjLAM
		Fastener
		Zinc Ingot
22	Prefabricated Building	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna / Hot Rolled Plate
		Pintu
		Jendela
		Kaca
		Engsel
		Fastener
		Coating / Pelapis
		H-Beam
23	Rangka Prefabrikasi Berbasis Baja Lapis	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
		Fastener
		Bracket
24	Roofing and Walling (Partisi / Wall Clading)	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna / Aluminium Plate
25	Ducting Flange Joint atau TDF Joint	BjLS / BjLAS / BjLAM
		Fastener
		Besi Siku
26	Damper atau Volume Damper	BjLS / BjLAS / BjLAM
		Fastener
		Besi siku
		Round Bar
		Coating / Pelapis
27	Arm Tie Siku / Siku Penyangga	Plat Baja / Siku
		Fastener
		Galvanis
28	Arm Tie Pipe	Pipa Baja
		Fastener
		Galvanis
29	Scaffolding	Pipa
		Plat
		Fastener

		Coating / Pelapis
30	Profil Baja Ringan (Hollow, Reng, Truss, Kanal C, T (Top Hat), U, Z)	BjLS / BjLAS / BjLAM

8. 25112 - Industri Barang Dari Logam Aluminium Siap Pasang Untuk Bangunan

No	Jenis Barang	Uraian Komponen Utama
1	Pintu Aluminium / Jendela Aluminium	Aluminium Ekstrusi
		Engsel
		Kaca
		Fastener
		Coating / Pelapis
2	Rangka Pintu / Rangka Jendela Aluminium / Kusen Aluminium	Aluminium Ekstrusi
		Fastener
		Coating / Pelapis

9. 25113 - Industri Konstruksi Berat Siap Pasang Dari Baja Untuk Bangunan

No	Jenis Barang	Uraian Komponen Utama
1	Jembatan	Profil baja
		Floor Deck
		H-Beam
		Besi Siku
		Rubber
		Plat Baja
		Stud Anchor
		Besi Beton / Round Bar
		Coating / Pelapis
2	Tower	Steel Plate
		Pipa
		Baja Profil
		Baja Profil Siku
		Steel Angle
		Besi Beton / Round Bar
		Fastener
Coating / Galvanis / Zinc Ingot		
3	Rangka Prefabrikasi Berbasis Baja Lapis	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna
		Fastener
		Bracket
4	Roofing and Walling (Partisi/Wall Cladding)	BjLS / BjLAS / BjLAM / BjLS Warna / BjLAS Warna / BjLAM Warna / Aluminium plate
5	Cross Arm	Plat / Siku Baja / Canal UNP
		Fastener
		Galvanis
6	Angkur Tiang / Angkur Tower	Besi Beton
		Fastener
		Coating / Galvanis
7	Tower Transmisi	Steel Plate
		Steel Angle / Profil
		Besi Beton

		Fastener
		Galvanis
8	Tower Telekomunikasi	Steel Plate
		Steel Angle / Profil
		Besi Beton
		Fastener
		Coating / Galvanis

10.25119 - Industri Barang Dari Logam Siap Pasang Untuk Konstruksi Lainnya

No	Jenis Barang	Uraian Komponen Utama
1	Cable Tray	Plat
		Fastener
2	Scaffolding	Pipa
		Plat
		Fastener
		Coating / Pelapis
3	Steel Racking	Plat
		Pipa
		Fastener
		Coating / Pelapis
4	Sheet Pile	Billet / Bloom
5	Cross Arm	Plat / Siku Baja / Canal UNP
		Fastener
		Galvanis
6	Angkur Tiang / Angkur Tower	Besi Beton
		Fastener
		Coating / Galvanis

11.25120 - Industri Tangki, Tandon Air dan Wadah Dari Logam

No	Jenis Barang	Uraian Komponen Utama
1	Tabung Gas	Top Tube
		Bottom Tube
		Body Tabung
		Footring
		Hand Guard
		Neckring
		Valve
		Wire Welding / Sand Welding
		Seal Tape Steelshot
		Batu Slep
		Coating / Pelapis

12.25940 - Industri Ember, Kaleng, Drum dan Wadah Sejenis Dari Logam

No	Jenis Barang	Uraian Komponen Utama
1	Kaleng Tinsplate	Tinsplate / Tin Free Steel
		Pelapis / Coating
		Printing Ink (Offset Ink)
		Tutup / Alas Kaleng
2	Kaleng Drawn Can	Tin Free Steel
		Pelapis / Coating
		Printing Ink (Offset Pink)
		Tutup

3	Kaleng Aluminium (2PC Can)	Aluminium Rigid Container Sheet
		Pelapis / Coating
		Printing Ink (Offset Ink)
		Tutup

13.25951 – Industri Barang Dari Kawat

No	Jenis Barang	Uraian Komponen Utama
1	Kawat Bendrat	Wire Rod
2	Kawat Bronjong	Wire
		Coating / Pelapis
3	Wire Mesh	Wire Rod / Wire Galvanis
4	Jaring Kawat Harmonika	Wire Galvanis / Kawat Lapis PVC
5	Kawat Silet	Sheet Galvanized / Sheet Zinc Aluminium
		Galvanized Wire / Zinc Aluminium Wire
		Clip Razor
6	Kawat Berduri	Galvanized Wire / Wire Rod / Kawat Lapis PVC
7	Kawat Las	Wire Rod
		Potassium Silicate
		Sodium Silicate
		Metal Powder
		Packaging

14.25952 – Industri Paku, Mur dan Baut

No	Jenis Barang	Uraian Komponen Utama
1	Fastener (Paku)	Wire Rod
		Round Bar
		Coating / Pelapis
2	Fastener (Sekrup / Mur / Baut / Spring / Rivet / Anchor Bolt / Stud Bolt)	Wire Rod
		Round Bar
		Coating / Pelapis
3	Fastener (Washer)	Sheet Plate
		Coating / Pelapis

15.25991 – Industri Brankas, Filling Kantor dan Sejenisnya

No	Jenis Barang	Uraian Komponen Utama
1	Lemari Besi / Lemari Arsip / Filling Cabinet Tahan Api	Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen body)
		Concrete (sebagai komponen insulasi)
		Fastener / Kawat Las / Adjuster / Engsel / Kunci / Rail / Handle / Coating (sebagai alat pendukung)
2	Lemari Kantor (termasuk namun tidak terbatas pada Mobile File / Roll Pack / Lemari Arsip / Lemari Pasien / Locker / Lemari Damkar / Lemari Obat / Lemari Laboratorium / Lemari Senjata / Tools Cabinet)	Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen body)
		Plat Logam / Kayu / Plywood / MDF / Particle Board / Poly Urethane / Plastic / Mesh / Profil / Kaca (sebagai komponen alas)
		Plat Logam / Kayu / Plywood / MDF / Particle Board / Poly Urethane / Plastic / Mesh / Profil (sebagai komponen pintu)

		Fastener / Kawat Las / Roda / Adjuster/ Engsel / Kunci / Rail / Handle / HPL / Veneer / Edging / MMGF / MFC / Foot / Coating (sebagai alat pendukung)
3	Filling Cabinet / Drawer / Pedestal	Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen body) Plat Logam / Kayu / Plywood / MDF / Particle Board (sebagai komponen laci) Fastener / Kawat Las / Roda / Adjuster / Engsel / Kunci / Rail / Handle / HPL / Veneer / Edging / MMGF / MFC / Poly Urethane / Foot / Coating (sebagai alat pendukung)

16.25992 – Industri Peralatan Dapur dan Peralatan Meja Dari Logam

No	Jenis Barang	Uraian Komponen Utama
1	Food Tray	Plat Stainles Steel
2	Panci	Plat Logam
		Fastener
		Handle
		Knob
		Kaca
		Steamer
3	Wajan	Coating / Pelapis
		Plat Logam
		Fastener
		Handle
		Knob
		Kaca
4	Sendok / Garpu Tanpa Isolator	Strainer
		Coating / Pelapis
5	Sendok / Garpu Dengan Isolator	Plat Logam
6	Pisau Tanpa Isolator	Isolator
		Plat Logam
7	Pisau Dengan Isolator	Isolator
		Plat Logam
8	Botol Besi	Plat Logam
9	Piring / Gelas / Mangkuk Logam	Plat Logam
10	Piring / Gelas / Mangkuk Enamel	Plat Logam
		Coating / Pelapis
11	Baskom Lapis Enamel	Plat Logam
		Coating / Pelapis
12	Mug Enamel Dengan Handle	Plat Logam
		Handle
		Knob
		Coating / Pelapis
13	Mug Enamel Tanpa Handle	Plat Logam
		Coating / Pelapis
14	Teko Enamel	Plat Logam
		Fastener
		Handle

		Coating / Pelapis
		Knob
15	Baskom Logam	Plat Logam
16	Baskom Enamel	Plat Logam
		Coating / Pelapis
17	Sutil Logam Tanpa Isolator	Plat Logam
18	Sutil Logam Dengan Isolator	Plat Logam
		Isolator
19	Penjepit Logam Tanpa Isolator	Plat Logam
20	Penjepit Logam Dengan Isolator	Plat Logam
		Isolator
21	Centong Logam Tanpa Isolator	Plat Logam
22	Centong Logam Dengan Isolator	Plat Logam
		Isolator
23	Nampan / Food Pan Logam	Plat Logam
24	Nampan / Food Pan Enamel	Plat Logam
		Coating / Pelapis

17.25993 - Industri Keperluan Rumah Tangga Dari Logam Bukan Peralatan Dapur dan Peralatan Meja

No	Jenis Barang	Uraian Komponen Utama
1	Rak (termasuk namun tidak terbatas pada Rak Buku / Rak Arsip / Rak Serbaguna / Rak Dinding / Rak Sepatu / Rak Dapur)	Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen body) Plat Logam / Kayu / Plywood / MDF / Particle Board / Poly Urethane / Plastic / Mesh / Profil (sebagai komponen alas) Fastener / Kawat Las / Roda / Adjuster / Engsel / Kunci/ Handle / HPL / Veneer / Edging / MMGF / MFC / Foot / Coating (sebagai alat pendukung)
2	Tempat Sampah	Pipa / Hollow / Profil / Plat / Casting Logam (sebagai body) Fastener / Kawat Las / Roda / Engsel / Handle / Foot Pedal / Coating (sebagai alat pendukung)
3	Tangga	Pipa / Hollow / Profil / Plat Logam (sebagai body) Fastener / Kawat Las / Roda / Foot / Safety Lock / Plastik / Rubber / Coating (sebagai alat pendukung)
4	Troli	Pipa / Hollow / Profil / Plat Logam (sebagai body) Fastener / Kawat Las / Roda / Kain / Kanvas / Engsel / Kunci / Handle / Coating (sebagai alat pendukung)

18.27320 - Industri Kabel Listrik dan Elektronik Lainnya

No	Jenis Barang	Uraian Komponen Utama
1	Kabel Listrik Low Voltage Armoured	Tembaga (Cu) / Aluminium (Al) PVC / XLPE Flat Steel Tape / Steel Wire Haspel / Drum Kayu

2	Kabel Listrik Low Voltage Non Armoured	Tembaga (Cu) / Aluminium (Al)
		PVC / XLPE
		Haspel / Drum Kayu
3	Kabel Listrik Twisted LVTC	Aluminium A2C
		XLPE
		Steel Wire
		Haspel / Drum Besi
4	Kabel Listrik Building Wire Single Core	Tembaga (Cu)
		PVC
		Haspel / Drum Kayu / Coil
5	Kabel Listrik Building Wire Multi Core	Tembaga (Cu)
		PVC
		Haspel / Drum Kayu / Coil
6	Kabel Listrik Konduktor Distribusi Medium Voltage	Aluminium A3C
		XLPE
		Haspel / Drum Kayu
7	Kabel Listrik Medium Voltage Armoured	Tembaga (Cu) / Aluminium (Al)
		XLPE MV
		PVC / XLPE
		Flat Steel Tape / Steel Wire
		Haspel / Drum Kayu
8	Kabel Listrik Medium Voltage Non Armoured	Tembaga (Cu) / Aluminium (Al)
		XLPE MV
		PVC / XLPE
		Haspel / Drum Kayu
9	Kabel Listrik Medium Voltage Armoured	Tembaga (Cu) / Aluminium (Al)
		XLPE MV
		PVC / XLPE
		Flat Steel Tape / Steel Wire
		Haspel / Drum Kayu
10	Kabel Listrik Konduktor Transmisi High Voltage	Aluminium A2C
		Steel Wire / ACS
		Haspel / Drum Kayu
11	Kabel Listrik High Voltage Non Armoured	Tembaga (Cu) / Aluminium (Al)
		XLPE MV
		Al Tape / Seamless / Leadsheet
		HDPE / XLPE
		Haspel / Drum Besi
12	Busbar Tembaga	Tembaga (Cu)
13	Enamel Wire Cu / Al	Tembaga (Cu) / Aluminium (Al)
		Bahan Pelapis (Poliester dan bahan lainnya)
		Bobin Plastik / Fiber

19.27530 – Industri Peralatan Pemanas dan Masak Bukan Listrik Rumah Tangga

No	Jenis Barang	Uraian Komponen Utama
1	Kompor Gas Komersil (tekanan rendah / tekanan tinggi)	Plat Logam
		Pipa
		Grid / Casting Logam
		Burner
		Gas Valve
		Nozzle

		Fastener
		Kawat Las
		Knob
		Kemasan
2	Kompor Gas Rumah Tangga (atas meja, tanam, berdiri)	Plat Logam
		Grid
		Burner
		Gas Valve
		Nozzle
		Pipa Gas
		Fastener
		Kawat Las
		Knob
		Kaki
		Kemasan
3	Kompor Gas Portable	Plat Logam
		Grid
		Burner
		Gas Valve
		Nozzle
		Fastener
		Kawat Las
		Knob
		Kemasan

20.31004 – Industri Furnitur Dari Logam

No	Jenis Barang	Uraian Komponen Utama
1	Meja (termasuk namun tidak terbatas pada Meja Kerja / Meja Makan / Meja Rapat / Meja Serbaguna / Meja Siswa / Meja Komputer / Meja Laboratorium / Meja Dapur / Meja Guru / Meja Resepsionis / Meja Belajar / Meja Dokter / Meja Pasien / Meja Konsultasi / Meja Baca / Meja Gambar / Meja Praktek / Meja Kantin / Meja Lipat / Meja Setrika / Meja Work Station / Meja Kerja Bangku / Meja Café / Meja Rias)	Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen rangka) Logam / MDF / Plywood / Particle Board/Kayu Solid / Kaca / Resin / Marmer (sebagai komponen permukaan meja) Fastener / Kawat Las / Roda / Kunci / Laci / Handle / Engsel / Power Plug / Stop Kontak / Tray / Under Shelf / Cabinet / Acrylic / Foam / Kain / HPL / Veneer / Edging / MMGF / MFC / Phenolic / Foot / Coating (sebagai alat pendukung)
2	Kursi (termasuk namun tidak terbatas pada Kursi Kerja / Kursi Susun / Kursi Tamu / Kursi Tunggu / Kursi Siswa / Kursi Lipat (memo) / Kursi Serbaguna / Kursi Direktur / Kursi Staff / Kursi Rapat / Kursi Makan /Kursi Hadap / Kursi Kuliah / Kursi Stadion / Kursi Auditorium / Kursi Guru / Kursi Taman / Kursi Laboratorium)	Pipa / Hollow / Profil / Plat / Casting Logam (sebagai rangka) Plat Logam / Kayu / MDF / Plywood / Particle Board / Poly Urethane / Plastik / Mesh (sebagai komponen alas duduk dan / atau sandaran) Fastener / Kawat Las / Roda / Adjuster / Gas Lift / Seat Mechanism / Engsel / Foam / Kain / HPL / Veneer / Edging / MMGF / MFC / Kulit / Oscar / Foot / Coating (sebagai alat pendukung)

3	Lemari (termasuk namun tidak terbatas pada Mobile File / Roll Pack / Lemari Arsip / Lemari Dapur (Kitchen Set) / Lemari Pasien / Locker / Lemari Serbaguna / Lemari Pakaian / Lemari Damkar / Lemari Obat / Lemari Laboratorium / Lemari Senjata / Lemari Makanan / Tools Cabinet)	<p>Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen rangka)</p> <p>Plat Logam / Kayu / Plywood / MDF / Particle Board / Poly Urethane / Plastic / Mesh / Profil / Kaca (sebagai komponen alas)</p> <p>Plat Logam / Kayu / Plywood / MDF / Particle Board / Poly Urethane / Plastic / Mesh / Profil (sebagai komponen pintu)</p> <p>Fastener / Kawat Las / Roda / Adjuster/ Engsel / Kunci / Rail / Handle / HPL / Veneer / Edging / MMGF / MFC / Foot / Coating (sebagai alat pendukung)</p>
4	Filling Cabinet / Drawer / Pedestal	<p>Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen body)</p> <p>Plat Logam / Kayu / Plywood / MDF / Particle Board (sebagai komponen laci)</p> <p>Fastener / Kawat Las / Roda / Adjuster / Engsel / Kunci / Rail / Handle / HPL / Veneer / Edging / MMGF / MFC / Poly Urethane / Foot / Coating (sebagai alat pendukung)</p>
5	Rak (termasuk namun tidak terbatas pada Rak Buku / Rak Arsip / Rak Serbaguna / Rak Dinding / Rak Sepatu / Rak Dapur)	<p>Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen body)</p> <p>Plat Logam / Kayu / Plywood / MDF / Particle Board / Poly Urethane / Plastic / Mesh / Profil (sebagai komponen alas)</p> <p>Fastener / Kawat Las / Roda / Adjuster / Engsel/ Kunci/ Handle / HPL / Veneer / Edging / MMGF / MFC / Foot / Coating (sebagai alat pendukung)</p>
6	Rangka Tempat Tidur	<p>Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen rangka)</p> <p>Plat Logam / Pipa Logam / Kayu / Plywood / MDF / Particle Board (sebagai komponen alas)</p> <p>Fastener / Kawat Las / Roda / Adjuster / Engsel/ HPL / Veneer / Edging / MMGF / MFC / Foot / Coating (sebagai alat pendukung)</p>
7	Kitchensink / Bak Cuci Piring	<p>Pipa / Hollow / Profil / Plat Logam (sebagai komponen body)</p> <p>Fastener / Kawat Las / Roda / Adjuster / Engsel / HPL / Veneer / Edging / MMGF / MFC / Foot / Coating (sebagai alat pendukung)</p>
8	Tempat Sampah	<p>Pipa / Hollow / Profil / Plat / Casting Logam (sebagai komponen body)</p>

	Fastener / Kawat Las / Roda / Engsel / Handle / Foot Pedal / Coating (sebagai alat pendukung)
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B. RINCIAN KOMPONEN UTAMA BARANG SEKTOR INDUSTRI PERMESINAN DAN ALAT MESIN PERTANIAN

1. 26601 – Industri Peralatan Iradiasi/Sinar X, Perlengkapan dan Sejenisnya

No	Jenis Barang	Uraian Komponen Utama
1	CT Scanner	Frame/gantry
		X Ray tube
		Generator
		Detector
		Plastic part/Casing
		Monitors
		Collimator
		PC/Operator's console
		Power distribution unit (PDU)
		Patient table
		Dollies
		Wiring
2	X Ray machine	Fan rotation
		X Ray tube
		Frame
		Plastic part/Casing
		PCB boards
		Trolley/wheels
Wiring		

2. 26602 – Industri Peralatan Elektromedikal dan Elektroterapi

No	Jenis Barang	Uraian Komponen Utama
1	Elektrokardiograf (EKG)	Electrodes
		Leads
		Signal Processor/PCB
		Display/Layar
		Casing
		Controller
		Kabel
		Power Supply
2	Patient Monitor	Frame
		Sensor (ECG, SpO2, NIBP, atau lainnya)
		Motherboard
		Microcontroller Unit (MCU)
		Display/Layar
Power Supply		

		Casing
		Konektor
		Speaker/Alarm
		Baterai
3	Syringe Pump	Motor Presisi
		Lead Screw
		Sensor Aliran
		Sensor Tekanan pompa
		Motherboard
		Microcontroller Unit (MCU)
		Display & Input (reinforced)
		Power Supply
		Housing & Struktur Mekanik (reinforced)
		Kabel & Konektor (reinforced)
		Baterai (sumber daya cadangan)
4	Infusion Pump	Mekanisme Pompa Peristaltik
		Sensor Occlusion
		Sensor Bubble
		Motherboard
		Microcontroller Unit (MCU)
		Display
		Keypad
		Power Supply
		Casing
		Konektor
		Kabel
		Frame
		Pole Clamp/Bracket
5	Blood Refrigerator/Blood Bank	Kompresor
		Kondensor
		Evaporator
		Body and Inner Casing
		Controller suhu/Display Panel
		Power supply/SMPS
		Polyurethane foam (PUF)
		Roda (caster)
		Sealant/Gasket
		Kaca
		Rak dalam
6	Hot Steam Sterilizer/Autoclave	Heater
		Body
		Controller suhu
		Controller tekanan
		Power supply
		Pipa

		Inner Casing
		Katup Uap
7	Blood Pressure Monitor Portable	Pressure Pump
		Valve
		Air Hose
		Controller
		Baterai
		Cuff
		Body and Structure
		Oscillation Sensor
8	Blood Pressure Monitor Station	Pressure Pump
		Valve
		Air Hose
		Controller
		Power supply
		Cuff
		Body and Structure
		Oscillation Sensor
9	Oximeter	Optical Sensor
		Controller
		Baterai
		Body and Structure
10	Suction Pump	Vacuum Pump
		Power supply
		Controller (gauge or electrical)
		Botol Penampung
		Baterai Cadangan
		Body and Structure
11	Cardiotocography	Electrodes
		Leads
		Signal Processor/PCB
		Display/Layar
		Casing
		Antarmuka Pengguna
		Kontrol (Tombol/Knob)
		Power Supply
		Kabel
12	Operating Lamp Ceiling	LED Assy (antara lain: Lampu LED, lensa, LED Board)
		Plastic part/Casing
		Rangka
		Electronic parts (antara lain: power board, control board, kamera)
		Bracket
		Controller
13	Operating Lamp Portable	LED Assy (antara lain: Lampu LED,

		lensa, LED Board)
		Plastic part/Casing
		Rangka
		Electronic parts (antara lain: power board, control board, kamera)
		Roda/caster
		Controller
14	Pendant series (Operating Theatre series)	Penutup arm atas
		Meja kabinet
		Electrical Socket
		konektor Gas
		Rak handle
		Selang Gas
		Konektor
		Kabel
		Roller/bearing
		Arm
		Stik infus
		Bracket atau Base Plate
		Cover Beam/Column
		Safety Component
15	Infant Warmer	Elemen Pemanas
		Sensor Suhu
		Sistem Kontrol
		Tempat Tidur/Platform
		Display
		Antarmuka
		Power Supply
		Safety Component
		Rangka
		Penutup
		Roda/caster
16	Infant/Baby Incubator	Ruang Transparan (Akrilik/Polikarbonat)
		Sistem Pemanas
		Humidifikasi
		Kipas
		Filter Sirkulasi Udara
		Sensor (Suhu, Humiditas, O ₂)
		Sistem Kontrol
		Layar
		Kasur
		Fittings
		Rangka
		Power Supply
		Casing

		Caster
17	Ultrasonografi/USG	Motherboard
		Microcontroller Unit (MCU)
		Display/Layar
		Power Supply
		Casing
		Konektor
		Speaker/Alarm
		Frame
		Sensor (probe)
		Articulating Arm
		Keyboard/Control Panel
		Plastic part/casing
		Trolley
		Wheels/Caster
Holder/gel warmer		

3. 27112 – Industri Mesin Pembangkit Listrik

No	Jenis Barang	Uraian Komponen Utama
1	Genset/Generator Set	Engine (diesel/gas)
		Alternator (stator+rotor)
		Radiator & sistem pendingin
		Panel kontrol & governor
		Enclosure/silent box

4. 27113 – Industri Pengubah Tegangan (Transformator), Pengubah Arus (Rectifier) dan Pengontrol Tegangan (Voltage Stabilizer)

1	Transformator (Trafo) Distribusi	Core/Inti Besi (Silicon Steel/Amorphous Steel)
		Winding
		Struktur Isolasi
		Media Pendingin (Coolant)
		Tangki Transformator
		Bushing
		Peralatan Proteksi
2	Transformator (Trafo) Daya	Core/Inti Besi (Silicon Steel/Amorphous Steel)
		Winding
		Struktur Isolasi
		Media Pendingin (Coolant)
		Tangki Transformator
		Bushing
		Peralatan Proteksi
3	Transformator (Trafo) Instrumen Current Transformer (CT)/Potential Transformer (PT)	Core/Inti Besi (Silicon Steel/Amorphous Steel)
		Winding
		Struktur Isolasi
		Media Pendingin (Coolant)
		Tangki Transformator
		Bushing
Peralatan Proteksi		

5. 27120 – Industri Peralatan Pengontrol dan Pendistribusian Listrik

No	Jenis Barang	Uraian Komponen Utama
1	KWH Meter (Meter Energi Listrik) (Prabayar) dan (Pascabayar) (1 Fasa dan 3 Fasa) 2 Arah/2 Way Communication	Sensor Arus/Tegangan (CT/PT) Unit Penghitung/Pengukur Energi Display/Indikator Terminal Blok Mikroprosesor/Chip (untuk tipe digital/smart) Catu Daya Internal Port Komunikasi (opsional) Casing Relay PCB Keypad Baterai
2	KWH Meter (Meter Energi Listrik) (Prabayar) dan (Pascabayar) (1 Fasa dan 3 Fasa)	Sensor Arus/Tegangan (CT/PT) Unit Penghitung/Pengukur Energi Display/Indikator Terminal Blok Mikroprosesor/Chip (untuk tipe digital/smart) Catu Daya Internal Port Komunikasi (opsional) Casing Relay PCB
3	Lightning Arrester (Penangkal Petir/Surge Arrester)	Elemen Non-Linear (ZnO Varistor/GAP) Housing/Insulator Terminal/Konektor Grounding Lead Bahan Isolator Bracket
4	Load Break Switch (LBS)	Kontak Pemutus Mekanisme Penggerak (Manual/Motor) Insulator Housing (Tangki) Terminal Konektor Sistem Arc Quenching Bushing Control Box LBS Gas SF6
5	Panel Listrik Tegangan Rendah (TR) (<1000 volt)	Incoming Breaker/Main Switch Busbar MCCB/MCB/NH Fuse + Fuse Rail Kontaktor/Relay Terminal & Kabel Enclosure Instrumentasi (Meter, Indicator) Current Transformer
6	Panel Listrik Tegangan Menengah (TM) (1000-35000 volt)	Incoming Breaker/Main Switch Insulation Material/Isolator Busbar

		Protection Relay
		Instrumentasi (Meter, Indicator)
		Annunciator
		Heater
		Current Transformer
		Enclosure
		Voltage Transformer (Untuk Tipe Fully Insulated)
		Circuit Breaker Motorized (Untuk Tipe Fully Insulated)
7	Fuse Cut Out (Pemutus Lebur)	Tabung Fuse (Fuse Link)
		Insulator Support (Porcelain/Polymer)
		Terminal Kontak Atas
		Terminal Kontak Bawah
		Engsel/Link Mechanism
		Bracket
8	Isolator Tegangan Tinggi (>35000 volt)	Body/Insulator
		Insulation Core
		Terminal/Konektor
		Bracket/Struktur Penyangga
		Line post bolt (Tipe Tumpu/Line Post)
		Top Metal Fitting
9	Isolator Tegangan Menengah (TM) (1000 - 35000 volt)	Body/Insulator
		Insulation Core
		Terminal/Konektor
		Bracket/Struktur Penyangga
		Line post bolt (Tipe Tumpu/Line Post)
		Top Metal Fitting
10	Isolator Tegangan Rendah (TR) (<1000 volt)	Body/Insulator
		Insulation Core
		Terminal/Konektor
		Bracket/Struktur Penyangga
		Line post bolt (Tipe Tumpu/Line Post)
		Top Metal Fitting
11	MCB (Pemutus Arus)	Kontak
		Bimetal Strip
		Elektromagnet
		Tuas & Mekanisme Pegas
		Casing Isolasi
		Arcing Chamber
12	Saklar (Switch)	Kontak Tetap & Bergerak
		Tuas/Push Button
		Housing/Body
		Terminal/Konektor
13	Recloser	Vacuum interrupter
		Controller elektronik (Controller Box)
		Isolator komposit (Bushing Set)
		Mekanisme aktuator
		CT/VT internal
		Enclosure/Body
		Tuas Mekanik

14	Disconnecting Switch (DS)	Kontak & blade Cu/Al
		Isolator (porcelain/polymer)
		Mekanisme operasi
		Housing & struktur baja
		Terminal koneksi

6. 27900 – Industri Peralatan Listrik Lainnya

No	Jenis Barang	Uraian Komponen Utama
1	Jointing & Termination	Joint Tube/Sleeve (Al/Al-Cu)
		Isolasi resin/Polimer
		Baut & aksesoris
		Assembly part
		Sepatu Kabel

7. 28112 – Industri Motor Pembakaran Dalam

1	Motor Bakar Diesel	Cylinder Block (Blok Silinder)
		Cylinder Head
		Crankshaft (Poros Engkol)
		Flywheel
		Radiator
		Hopper
		Fuel Tank dan Muffler
		Piston dan Connecting Rod
		Gear Set dan Case
		Air Cleaner
2	Motor Bakar Bensin	Cylinder Block (Blok Silinder)
		Cylinder Head
		Crankshaft (Poros Engkol)
		Flywheel
		Radiator
		Hopper
		Fuel Tank dan Muffler
		Piston dan Connecting Rod
		Gear Set dan Case
		Air Cleaner

8. 28130 – Industri Pompa Lainnya, Kompresor, Kran dan Klep/Katup

No	Jenis Barang	Uraian Komponen Utama
1	Pompa Sentrifugal Vertikal	Impeller (Baling-baling Pemutar)
		Shaft/Poros
		Bearing Housing
		Casing/Bowl (Diffuser/Volute)
		Column/Can
		Discharge Head/Pump Head/Motor Stool
		Mechanical Seal/Packing
		Sole Plate/Mounting Plate
2	Pompa Sentrifugal Horizontal	Impeller (Baling-baling Pemutar)
		Shaft/Poros
		Bearing Housing
		Casing (Diffuser/Volute)
		Mechanical Seal/Packing
Base Plate/Pedestal		

3	Pompa Perpindahan Positif Reciprocating	Liquid Head
		Plunger/Piston/Diaphragm
		Crankshaft
		Bearing Housing
		Packing
		Base Plate
4	Pompa Perpindahan Positif Rotary	Casing
		Screw/Gear/Vane/Lobe/Shaft
		Bearing Housing
		Mechanical Seal/Packing
		Base Plate
5	Gate dan Globe Valve Manual	Body
		Bonnet/Cover
		Disc/Wedge
		Stem/Shaft
		Seat
		Handwheel
		Gasket dan Packing
		Bolt & Nut
Yoke		
6	Ball Valve Manual	Body
		Bonnet/Cover//Gland
		Ballsphere
		Stem/Shaft
		Seat
		Lever
		Gasket dan O-Ring, Packing
		Bolt & Nut
Adaptor		
7	Check Valve Manual	Body
		Bonnet/Cover
		Disc
		Arm
		Seat
		Gasket
		Bolt & Nut
8	Butterfly Valve Manual	Body
		Disc
		Stem/Shaft
		Seat
		Lever
		Gasket
		Bolt & Nut

9. 28160 – Industri Alat Pengangkat dan Pemindah

No	Jenis Barang	Uraian Komponen Utama
1	Lift Penumpang	Motor/Traction Machine
		Dudukan Mesin
		Kabin Penumpang
		Counterweight
		Control System
		Safety Devices
		Kabel Listrik/Power

		ARD
		Wire Rope
		Rails
		Entrance Set
		Kabel Travelling
		Kabel Shaft
		Compensating Chain/Rope
		Bracket Rail
2	Lift Servis/Barang	Motor/Traction Machine
		Dudukan Mesin
		Kabin Penumpang
		Counterweight
		Control System
		Safety Devices
		Kabel Power
		ARD
		Wire Rope
		Rails
		Entrance Set
		Kabel Travelling
		Kabel Shaft
		Compensating Chain/Rope
		Bracket Rail
3	Lift Pasien/Rumah Sakit	Motor/Traction Machine
		Dudukan Mesin
		Kabin Penumpang
		Counterweight
		Control System
		Safety Devices
		Kabel Power
		ARD
		Wire Rope
		Rails
		Entrance Set
		Kabel Travelling
		Kabel Shaft
		Compensating Chain/Rope
		Bracket Rail

10.28210 – Industri Mesin Pertanian dan Kehutanan

No	Jenis Barang	Uraian Komponen Utama
1	Traktor Roda 4	Engine atau Penggerak
		Sistem Transmisi, Kopling, dan/atau Diferensial
		Chassis (Frame Utama) dan/atau Suspensi

		Body & Panel (Hood, Fender, Dashboard, Tangki Bahan Bakar, dan/atau Jok)
		Tire and Wheel Assy (Front dan Rear)
		Pemberat
		Implement (Rotary, Rotto paddler, plow, dan/atau rake)
		Sistem Elektrik
		Sistem Hidrolik
		Drawbar
2	Traktor Roda 2	Engine atau Penggerak
		Sistem Transmisi dan Kopling (Rumah Transmisi, Input/Output Shaft, PTO, Axle Shaft, Gearbox, Differential, dan/atau Final Drive Gears)
		Wheel Assy (Cage Wheel)
		Handle dan Control (Steering Column dan Control System)
		Frame
		Implement (Rotary, Rotto paddler, plow, dan/atau rake)
		Wheel Assy (Rubber Wheel)
3	Combine Harvester	Engine atau Penggerak
		Chassis
		Transmission dan/atau Drive
		Auger (Cutting dan/atau Feeding Unit)
		Threshing Unit dan/atau Cleaning Unit
		Body dan Panel (Hood, Fender, Dashboard, Tangki Bahan Bakar, dan/atau Jok)
		Hydraulic System dan Perangkat kontrol
		Grain Tank dan/atau Unloading Auger
4	Sprayer Gendong Semi-Otomatis	Tangki dan/atau Kaki rangka
		Pompa (Piston, Vacuum Tank, dan/atau Collar)
		Spray Tube atau Pipa Penyemprot
		Hand Lever atau Tuas Pengungkit
		Shoulder Belt
		Selang
		Katup buka tutup
		Nozzle
5	Sprayer Gendong Elektrik	Tangki dan/atau Kaki rangka
		Pompa Elektrik
		Spray Tube atau Pipa Penyemprot
		Baterai
		Shoulder Belt
		Selang
		Katup buka tutup
		Nozzle
		Charging Unit dan Electrical System non-baterai
6	Pompa Air Sentrifugal untuk Irigasi dengan Penggerak	Engine atau Penggerak
		Impeller (Baling-baling Pemutar)

		Casing (Housing, Inlet, dan/atau Outlet)
		Shaft (Poros Pemutar)
		Frame
		Bearing dan Seal
7	Pompa Air Sentrifugal untuk Irigasi tanpa penggerak	Impeller (Baling-baling Pemutar)
		Casing (Housing, Inlet, dan/atau Outlet)
		Shaft (Poros Pemutar)
		Bearing dan Seal
8	Dryer (Pertanian)	Ruang pengering
		Burner, heater, atau komponen pengering
		Blower atau komponen sirkulasi
		Komponen pengontrol suhu
		Motor Penggerak
		Transmisi
		Pengayak, perata, dan/atau pengeringan
9	Rice Milling Unit (RMU) Multifase	Hopper dan/atau Feeder Unit
		Komponen penggiling (Husker)
		Rangka, Drum, vessel, tangki, dan/atau wadah muatan
		Screen, panel kontrol, dan/atau pengontrol
		Motor penggerak
		Transmisi
		Polisher Unit
		Rice Grader Unit
10	Alat Pemipil Jagung	Hopper, Feeder, dan/atau Saluran
		Silinder Perontok atau Drum Spike
		Separator atau Penyaring
		Blower
		Motor Penggerak
		Transmisi
		Rangka Mesin
		Outlet/Corong Keluar
11	Mesin Pengupas Kopi	Hopper dan Feeder
		Silinder Pengupas atau Drum
		Rangka atau Body
		Separator atau Penyaring
		Motor Penggerak
		Transmisi
12	Mesin Sangrai Kopi	Drum atau Wadah pemanggang
		Burner atau Elemen Pemanas
		Blower Pendingin, Cooling Tray, atau Sirkulasi Udara
		Control Panel atau Timer
		Motor Penggerak
		Transmisi
		Body Rangka
		Pengumpan dan Pengeluaran

13	Mesin Pemotong Rumput Tipe Gendong	Engine atau Penggerak
		Poros Transmisi dan selubung poros kaku
		Pisau potong
		Pelindung pisau potong
		Rangka
		Front Handle
		Rear Handle
		Sabuk gendong
14	Mini Tiller	Engine atau Penggerak
		Sistem Transmisi dan Kopling
		Handle dan Control (Steering Column dan Control System)
		Frame
		Cage Wheel & Poros
		Poros Rotari (Poros dan Pisau Rotari)

11.28221 - Industri Mesin dan Perkakas Mesin Untuk Pengerjaan Logam

No	Jenis Barang	Uraian Komponen Utama
1	Mesin Frais (Milling) CNC	CNC Controller
		Motor Spindle
		Motor servo
		Driver
		Ballscrew
		Linear Guide
		Work Table
		Base
		Coloumn
		Frame (Telescopic dan Cover)
		Coolant System
Tool Changer set		
2	Mesin Bubut (Lathe) CNC	CNC Controller
		Body atau rangka
		Saddle
		Sistem Pemutar Benda Kerja (Headstock, Spindle, dan Chuck)
		Sistem Gerak dan Pahat (Carriage, Cross Slide, dan/atau Tool Turret)
		Sistem Penggerak Presisi (Ball Screw, Servo Motor, dan/atau Guideways)
		Sistem Pendingin dan Pelumas (Coolant System)
		Guarding
		Telescopic
		Cover

12.28240 - Industri Mesin Penambangan, Penggalian dan Konstruksi

No	Jenis Barang	Uraian Komponen Utama
1	Excavator	Engine Assy
		Boom Assy
		Arm Assy
		Bucket atau attachment sejenis
		Cabin Assy

		Transmisi dan final drive
		Undercarriage
		Center Frame/ Main Frame
		Control Valve
		Pump/Pump Device/Main Pump
		Swing
		Device/Joint/Machinery/Hydraulic swing motor
		Travel Device/ Travel Line
		Center Joint
		Superstructure/Counterweight
		Cylinder Assy
		Cooling Component/Cooling System
		Fuel Tank Assy
		Electrical System
2	Motorgrader	Engine Assy
		Cooling
		Fuel Tank
		Electrical
		Powertrain
		Control Valve
		Hydraulic System
		Main Frame
		Cabin
		Superstructure
		Suspension & Wheels
		Work Equipment
3	Bulldozer	Engine Assy
		Cooling
		Fuel Tank
		Electrical System
		Powerline
		Final Drive
		Powertrain related
		Control Valve
		Hydraulic System
		Main Frame
		Cabin
		Superstructure
		Undercarriage
		Work Equipment
4	Dump Truck	Engine Assy
		Cooling
		Fuel Tank
		Electrical System
		Powertrain Related

		Torque Flow
		Rear Axle
		Front Axle
		Hydraulic System
		Main Frame
		Cabin
		Superstructure
		Wheels
		Suspension
		Work Equipment
		Vessel
5	Vibrating Roller	Canopy
		Control System
		Cooling System
		Dashboard
		Electrical Equipment
		Engine System
		Frame
		Fuel System
		Hydraulic System
		Accessories
		Steering Hydraulic System
		Vibrating Roll
		Wiring Harness
6	Tire Roller	Brake System
		Canopy
		Control System
		Cooling System
		Electrical Equipment
		Engine System
		Frame
		Fuel System
		Steering Hydraulic System
		Wiring Harness
		Lubrication System
		Power Drive System
		Sprinkler System
7	Vessel	Bottom/floor
		Sidewall
		front wall
		Canopy
		Muffler
		Tyre guard
8	Undercarriage Excavator	Track Roller
		Idler
		Sprocket
		Track Shoe Assy
		Carrier Roller

9	Undercarriage Bulldozer	Track Roller SF
		Track Roller DF
		Idler
		SprocketTeeth
		Track Shoe Assy
		Carrier Roller

13.30921 – Industri Sepeda dan Kursi Roda Termasuk Becak

No	Jenis Barang	Uraian Komponen Utama
1	Kursi Roda Elektrik	Drive motors + gearboxes
		Battery pack
		Frame & chassis (reinforced)
		Motor controller PCB (power electronics)
		Joystick controller & wiring (reinforced)
		Seat system (cushion/adjustable)
		Wheels
		Suspension components
		Safety component
2	Kursi Roda Manual	Frame (aluminium/steel tubing)
		Rear wheels & hubs (pair)
		Front casters & hubs (pair)
		Seat(fabric/foam)
		Back upholstery (fabric/foam)
		Brake assemblies & axles
		Footrests
		Armrests
		Safety component

14.32501 – Industri Furnitur Untuk Operasi, Perawatan Kedokteran dan Kedokteran Gigi

No	Jenis Barang	Uraian Komponen Utama
1	Electric Hospital Bed	Frame/struktur tempat tidur
		Linear actuators (each actuator, motor + gearbox) atau Mekanisme penyesuaian automatic
		Control PCB (microcontroller, drivers)
		Hand remote
		Power supply (termasuk baterai <i>backup</i> jika ada)
		Guard rails
		Roda/caster
		Platform Kasur
		Sandaran Kepala
		Sandaran Kaki
		2
Mekanisme penyesuaian manual		
<i>Guard rails</i>		
Roda/caster		
Platform Kasur		

		Sandaran Kepala
		Sandaran Kaki
3	Troli untuk Rumah Sakit	Frame/rangka
		Roda/caster
		Laci dan/atau tray/keranjang
		Pegangan
		Rel Pengaman
4	Infusion Stand	Tiang Pole
		Dasar/Kaki (Base/Legs)
		Roda (casters)
		Pengait (Hooks)

15.32502 - Industri Peralatan Kedokteran dan Kedokteran Gigi, Perlengkapan Orthopaedic dan Prosthetic

No	Jenis Barang	Uraian Komponen Utama
1	Alat Suntik/Piston Syringe	Badan Syringe (Barrel)
		Plunger/Piston
		Karet/Gasket
		Jarum (Needle)
		Kemasan Primer Steril
		Needle hub (adaptor)
		Needle cap (penutup jarum)

C. RINCIAN KOMPONEN UTAMA BARANG INDUSTRI MARITIM, ALAT TRANSPORTASI DAN ALAT PERTAHANAN

1. 25200 - Industri Senjata Dan Amunisi

No	Jenis Barang	Uraian Komponen Utama
1	Munisi Kaliber Kecil (5,56 - 12,7 mm)	Selongsong/case/kelongsong
		Proyektil/pelor
		Primer/penggalak
		Propelan/black powder
2	Bom Latih	Nose
		Gantungan Bom/Suslug
		Badan Bom/Body
		Ekor Bom/Fin
		Cartridge/Lightning (khusus untuk bom latih asap dan bom latih LED)
3	Pistol	Laras/barrel
		Rumah mekanik/frame
		Pemukul/Hammer
		Rakitan magasin/magazine
		Tangkai penegang/Extractor
		Pena pemukul/firing pin
		Pengait longsong/ejector
		Penegang/sear
		Picu/trigger
		Kas atas/eretan/slide

2. 29101 – Industri Kendaraan Bermotor Roda Empat Atau Lebih

No	Jenis Barang	Uraian Komponen Utama
1	Light Commercial Vehicle, Truk, Bus Cabin	Engine Cabin Chassis Transmission Axle Propeller Shaft Clutch Steering System Brake System Suspension System Interior Exterior Fuel System Electrical System Air Intake & Exhaust Gas Engine cooling system
2	Bus Non Cabin	Engine Chassis Transmission Axle Propeller Shaft Clutch Steering System Brake System Suspension System Exterior Fuel System Electrical System Air Intake & Exhaust Gas Engine Cooling System
3	Fuel Cell Electric Vehicle (FCEV)	Battery PCU/Inverter Fuel Cell Stack dan Hydrogen Tank Transmission A. E-Transaxle B. Clutch System Body Frame Steering System Suspension System Brake System Universal Component Plastic Parts Rubber Parts
4	Battery Electric Vehicle (BEV)	Battery PCU/Inverter Transmission A. E-Transaxle B. Clutch System Body Frame

		Steering System
		Suspension System
		Brake System
		Universal Component
		Plastic Parts
		Rubber Parts
5	Hybrid Electric Vehicle (HEV)	Engine
		Battery
		PCU/Inverter
		Transmission (Disesuaikan dengan Jenis Transmisi Kendaraan (A,B, atau C)
		A. Transaxle Automatic
		B. Transaxle Manual
		C. E-Transaxle
		D. Clutch System
		Body
		Frame
		Steering System
		Suspension System
		Brake System
		Universal Component
		Plastic Parts
		Rubber Parts
6	Plug-in Hybrid Electric Vehicle (PHEV)	Engine
		Battery
		External Plugin Charger
		PCU / Inverter
		Transmission
		A. E-Transaxle
		B. Clutch System
		Body
		Frame
		Steering System
		Suspension System
		Brake System
		Universal Component
		Plastic Parts
		Rubber Parts
7	Kendaraan Internal Combustion Engine (ICE)	Engine
		Transmission (Disesuaikan Dengan Jenis Transmisi Kendaraan (A, B Atau C)
		A. Transaxle Automatic
		B. Transaxle Manual
		C. E-Transaxle
		D. Clutch System
		Body
		Frame
		Steering System
		Suspension System
		Brake System
		Universal Component

	Plastic Parts
	Rubber Parts

3. 30111 - Industri Kapal Dan Perahu

No	Jenis Barang	Uraian Komponen Utama
1	Kapal Penumpang; Kapal Barang, Kapal Patroli	Steel plate & profile
		Painting, Coating & Cathodic Protection
		Consumables
		Jangkar
		Rantai jangkar
		Windlass
		Capstan
		Fairlead
		Heat Ventilation & Air Conditioning
		Accommodation & Interior
		Peralatan Kemudi
		Peralatan Pemadam Kebakaran
		Peralatan Keselamatan
		Pintu dan Jendela
		Manhole, Cargo Hatch & Escape Hatch
		Tiang Mast & Railing
		Main engine
		Propulsion System
		Sistem pompa permesinan
		Pipa & Valve
Auxiliary Machinerics		
Electrical		
Elektronik		
Navigasi dan Komunikasi		
2	Kapal Tanker	Steel plate & profile
		Painting, Coating & Cathodic Protection
		Consumables
		Jangkar
		Rantai jangkar
		Windlass
		Capstan
		Fairlead
		Heat Ventilation & Air Conditioning
		Accommodation & Interior
		Peralatan Kemudi
		Peralatan Pemadam Kebakaran
		Peralatan Keselamatan
		Pintu dan Jendela
		Manhole, Cargo Hatch & Escape Hatch
		Tiang Mast & Railing
		Main engine
		Propulsion System
		Sistem pompa permesinan
		Pipa & Valve

		Auxiliary Machinerics
		Electrical
		Elektronik
		Navigasi dan Komunikasi
		Sistem pompa kargo
3	Kapal Ikan	Steel plate & profile
		Painting, Coating & Cathodic Protection
		Consumables
		Jangkar
		Rantai jangkar
		Windlass
		Capstan
		Fairlead
		Heat Ventilation & Air Conditioning
		Accomodation & Interior
		Peralatan Kemudi
		Peralatan Pemadam Kebakaran
		Peralatan Keselamatan
		Pintu dan Jendela
		Manhole, Cargo Hatch & Escape Hatch
		Tiang Mast & Railing
		Main engine
		Propulsion System
		Sistem pompa permesinan
		Pipa & Valve
		Auxiliary Machinerics
		Electrical
		Elektronik
		Navigasi dan Komunikasi
		Peralatan penangkap ikan
4	Kapal Tunda	Steel plate & profile
		Painting, Coating & Cathodic Protection
		Consumables
		Jangkar
		Rantai jangkar
		Windlass
		Capstan
		Fairlead
		Heat Ventilation & Air Conditioning
		Accomodation & Interior
		Peralatan Kemudi
		Peralatan Pemadam Kebakaran
		Peralatan Keselamatan
		Pintu dan Jendela
		Manhole, Cargo Hatch & Escape Hatch
		Tiang Mast & Railing
		Main engine
		Propulsion System
		Sistem pompa permesinan

	Pipa & Valve
	Auxiliary Machinerics
	Electrical
	Elektronik
	Navigasi dan Komunikasi
	Towing winch

4. 30200 - Industri Lokomotif dan Gerbong Kereta

No	Jenis Barang	Uraian Komponen Utama
1	Kereta Penumpang - Tak Berpenggerak (Kereta Penumpang)	Door System
		Raw Material Carbody Dan Bogie
		Interior Component (Passenger Seat, Table DII)
		Air Conditioning
		Interior Panel
		Passenger Information System
		Bogie Kit K
		Water Tank System
		Electrical Wiring
		Electrical Panel, Box & Rak
		Wheel Set
		Toilet Module
		Flooring
		Window
		Lighting 612-K
		Coupling Device
		Brake System
		Insulation
		Vehicle Linkage Devices (Corrugated Bellow and Apron)
		Carrier, System, Enclosure
Partisi Modular		
Tool, Consumable, dan Fastening		
Curtain		
Meja Complete Set		
Safety Kit		
External Addition		
2	Kereta Penumpang - Tak Berpenggerak (Kereta Pembangkit)	Doors (Door System)
		Engine (Untuk Kereta Pembangkit)
		Raw Material Carbody Dan Bogie
		Vehicle Fitting Out (Interior Panel)
		Bogie Kit P1
		Electrical Wiring
		Electrical Panel, Box & Rak
		Running Gear (Wheel Set)
		Vehicle Fitting Out (Flooring)
		Vehicle Fitting Out (Window)
		Lighting (Lighting 612-P)
		Coupling Device
		Brake (Brake System)
		Vehicle Fitting Out (Insulation)
Vehicle Linkage Devices (Corrugated Bellow dan Apron)		

		Carrier, System, Enclosure
		Partisi Modular
		Tool, Consumable, dan Fastening
		Interior Appointments (Complete Set Table)
		Monitoring And Safety Equipment (Safety Kit)
		External Addition
3	Kereta Penumpang - Tak Berpenggerak (Kereta Makan)	Doors (Door System)
		Raw Material Carbody Dan Bogie
		Interior Component (Passenger Seat, Table DII)
		Air Conditioning
		Vehicle Fitting Out (Interior Panel)
		Passenger Information System
		Bogie Kit M
		Interior Appointments (Water Tank System)
		Electrical Wiring
		Electrical Panel, Box & Rak
		Running Gear (Wheel Set)
		Vehicle Fitting Out (Toilet Module)
		Vehicle Fitting Out (Flooring)
		Vehicle Fitting Out (Window)
		Lighting (Lighting 612 - M)
		Coupling Device
		Brake (Brake System)
		Vehicle Fitting Out (Insulation)
		Vehicle Linkage Devices (Corrugated Bellow dan Apron)
		Carrier, System, Enclosure
		Partisi Modular
		Tool, Consumable, dan Fastening
		Interior Appointments (Curtain)
		Interior Appointments (Complete Set Table)
		Monitoring And Safety Equipment (Safety Kit)
		External Addition
4	Kereta Berpenggerak Diesel Elektrik (KRDE)	Electrical Wiring (Electrical Main Component)
		Engine
		Brake (Brake System)
		Vehicle Fitting Out (Interior Panel)
		Vehicle Body (Raw Material, Carbody Dan Bogie Frame)
		Eksterior
		Power System & Drive Unit (Vvfv dan Brake Resistor)
		Alternator
		Running Gear (Wheel Set, Bearing, Transom Bogie)
		(Traction Motor)

		Auxiliary Operating Equipment (Auxilliary Power Unit)
		Gearbox
		Tecu & Rectifier
		Doors (Door System)
		Vehicle Fitting Out (Radiator)
		Running Gear (Wheelset Mc, Bearing, Transom Bogie))
		Consumable, Toolkit, Fastening
		Auxiliary Operating Equipment (Battery Charger)
5	Kereta Berpenggerak dengan Sumber Listrik dari Luar (KRL & LRT)	Power System & Drive Unit
		Electrical Wiring (Electrical System)
		Brake (Brake System)
		Vehicle Body (Raw Material, Carbody dan Bogie Frame)
		Electrical Wiring (Electrical Main Component)
		Doors (Door System)
		Running Gear (Wheel Set, Bearing, Transom Bogie)
		Vehicle Fitting Out (Interior Panel)
		Vehicle Linkage Devices (Coupling Device)
		Interior Component (Passenger Seat, Table DII)
		Tool, Consumable, dan Fastening
		Control Apparatus For Train Operations (Train Control)
		External Addition
		Vehicle Fitting Out (Window)
		Vehicle Linkage Devices (Corrugated Bellow dan Apron)
		Vehicle Fitting Out (Flooring)
		Vehicle Fitting Out (Insulation)
		Paint
6	Gerbong Datar	Running Gear (Bogie Set)
		Raw Material
		Vehicle Linkage Devices (Automatic Coupler (F Type)
		Brake (Brake System)
		Tool, Consumable, dan Fastening
		Paint
		Twist Lock
7	KKBW	Running Gear (Bogie Set)
		Raw Material
		Vehicle Linkage Devices (Automatic Coupler (F Type)
		Brake (Brake System)
		Tool, Consumable, dan Fastening
		Paint
8	Bogie Machining	Wheel Set
		Raw Material
		Axle Box Assy

		Primary Suspension Assy
		Swing Bolster Device
		Brake Gear
		Pin & Washer
		Bush
		Connecting Rod Sub Assy
		Bottom Rod Safety Support Sub Assy
		Brake Lever Sub Assy
		Wearing Plate Assy
		Dead Lever Support Sub Assy
		Center Pin Sub Assy
		Rubber For Side Bearer
		Brake Support Sub Assy
9	Bogie Casting	Side Frame Assy
		Bolster Assy
		Wheel Set Assy
		Center Plate Assy
		Secondary Dumping Assy
		Side Bearer Housing Assy
		Connecting Rod Sub Assy
		Bottom Rod Safety Support Sub Assy
		Brake Lever Sub Assy
		Wearing Plate Assy
		Dead Lever Support Sub Assy
		Center Pin Sub Assy
		Rubber For Side Bearer
		Brake Support Sub Assy

5. 30300 – Industri Pesawat Terbang Dan Perlengkapannya

No	Jenis Barang	Uraian Komponen Utama
1	Pesawat Udara Tanpa Awak	Airframe (body & frame)
		Battery
		Motor
		Flight Controller (FC)
		GCS (Ground Control Station)
		ESC (Electronic Speed Controller)
		Arm & Boom / Fold Mechanism
		Propeller
		IMU/GPS/Compass
		Sistem Sensor
		Landing Gear / Skid
		Power Distribution Board
		Telemetry Module
		RC Link (Transmitter & Receiver)
		Payload Mount / Gimbal
2	Pesawat Udara Propeller	Casing/Transport Box
		Wiring, Harness, Fasteners
		Parachute System
		Engine
		Airframe
		Navigation System
		Landing Gear
		Indicating/Recording System

		Communications System
		Fuel System
		Flight Controls System
		Propellers
		Equipment/ Furnishings / Interior
		Electrical Power System
		Hydraulic Power System
		Engine Control
		Lighting
		Air Conditioning
		Fire Protection
		Oxygen System
		Ice And Rain Protection / Wind Shield Transparency
		Power Plant
		Engine Indicating
		Oil
3	Helikopter	Engines & Gearbox (Transmission)
		Airframe
		Avionics & Electrical
		Main rotor system
		Flight controls & hydraulics
		Interior & furnishings
		Tail rotor & drive
		Fuel system
		Landing gear

6. 3091 – Industri Sepeda Motor

No	Jenis Barang	Uraian Komponen Utama
1	Sepeda Motor	Frame Body
		Main Frame
		Bracket
		Rear/Front Fender
		Body Cover
		Main/Side Stand
		Fuel/Oil Tank
		Seat Assy
		Engine & Transmission
		Crank Case R/L
		Cylinder Assy
		Crank Shaft Comp
		Piston & Ring Piston
		Clutch Comp
		Gear & Transmission/CVT
		Oil Pump
		Camshaft & Valve Assy
		Generator
		Muffler/Exhaust Emission
		Carburettor/Injector
		Electrical Instrument
		Battery
		Ignition Coil Set/CDI
		Wire Harness

		Head Lamp
		Tail Lamp
		Others Lamp
		Speedometer Set
		Switches
		Horn
		Rectifier Regulator
		Wheel, Axle and Suspension
		Tire & Tube
		Wheel Front/Rear
		Front/Rear Absorber
		Arm Swing
		Brake System
		Caliper Assy Set
		Brake Pedal/Lever
		Pad Assy/Brake Shoe
		Brake Disk/Lining
		Steering System
		Steering Handle
		Steering System
		Back Mirror
		Others
		Sensors
		Emblems
		Stickers
		Others Bracket

7. 3092 – Industri Sepeda dan Kursi Roda

No	Jenis Barang	Uraian Komponen Utama
1	Sepeda	Frame/Rangka
		Fork/Garpu
		Steering Parts/Kendali Kemudi
		Drive Train/Sistem Transmisi
		Brake System/Sistem Pengereman
		Wheel Set/Roda
		Saddle dan Aksesoris
		Brand/Merk

**D. RINCIAN KOMPONEN UTAMA BARANG SEKTOR INDUSTRI ELEKTRONIKA
TELEMATIKA**

1. 26210 – Industri Komputer dan/atau Perakitan Komputer

No	Jenis Barang	Uraian Komponen Utama
1	Televisi Komputer Tablet Non Jaringan Seluler	Panel Module
		Camera
		PCB Module
		Casing
		FPC
		Vibration Module
		Speaker & earpiece
		RF/Interconnect Electrical Wire Assy
		Battery

		Screw
		Antenna
		Charger
		USB Cable
		Earphone
		Gift Box
		Manual & Warranty Card
		Label

2. 26320 – Industri Peralatan Komunikasi Tanpa Kabel (Wireless)

No	Jenis Barang	Uraian Komponen Utama
1	Smartphone, Telepon Seluler Lainnya kecuali Telepon Satelit, Komputer Tablet Jaringan Seluler	Panel Module
		Camera
		PCB Module
		Casing
		FPC
		Vibration Module
		Speaker & earpiece
		RF/Interconnect Electrical Wire Assy
		Battery
		Screw
		Antenna
		Charger
		USB Cable
		Earphone
		Gift Box
Manual & Warranty Card		
Label		
2	Base Band Unit (BBU)	Top Cover
		Bottom Cover
		Module Socket
		Base Band Processing
		Main Processing Terminal
		Power Module Terminal
		Fan Module Terminal
3	Radio Remote Unit (RRU)	Filter Module
		Duplexer Module
		Handle
		Bracket
		Cover
		Socket Cap
		RRU Commutator
		Anti Dismantle PET
4	Active Antenna Unit (AAU)	Antenna Tilter
		Power Connector
		Antenna MIMO Board
		Radio Board
		Socket Separator
		Antenna Pin
		AAU Pole Fix Kit
		AAU Tilt Bracket
		AAU Radome
AAU Cabinet Assy		

		Air Cooler Fins
5	Transport WDM	Top Cover
		Bottom Cover
		Connector Module
		Main Processing Module
		Fan Module
6	Router	Top Cover
		Bottom Cover
		Connector Module
		Routing Module
		Main Processing Module
		Monitor and Fan Module
7	Switch	Top Cover
		Bottom Cover
		Connector Module
		Switching Module
		Main Processing Module
		Fan Module
8	Microwave ODU (Outdoor Unit)	Top Cover
		Bottom Cover
		RF Board
		Filter Board
9	Microwave IDU (Indoor Unit)	Top Cover
		Bottom Cover
		IF Board
		Main Processing Board
		Power Module Terminal
		Fan Module Terminal

3. 26399 - Industri Peralatan Komunikasi Lainnya

No	Jenis Barang	Uraian Komponen Utama
1	Base Band Unit (BBU)	Top Cover
		Bottom Cover
		Module Socket
		Base Band Processing
		Main Processing Terminal
		Power Module Terminal
		Fan Module Terminal
2	Radio Remote Unit (RRU)	Filter Module
		Duplexer Module
		Handle
		Bracket
		Cover
		Socket Cap
		RRU Commutator
		Anti Dismantle PET
3	Active Antenna Unit (AAU)	Antenna Tilter
		Power Connector
		Antenna MIMO Board
		Radio Board
		Socket Separator
		Antenna Pin
		AAU Pole Fix Kit

		AAU Tilt Bracket
		AAU Radome
		AAU Cabinet Assy
		Air Cooler Fins
4	Transport WDM	Top Cover
		Bottom Cover
		Connector Module
		Main Processing Module
		Fan Module
5	Router	Top Cover
		Bottom Cover
		Connector Module
		Routing Module
		Main Processing Module
		Monitor and Fan Module
6	Switch	Top Cover
		Bottom Cover
		Connector Module
		Switching Module
		Main Processing Module
		Fan Module
7	Microwave ODU (Outdoor Unit)	Top Cover
		Bottom Cover
		RF Board
		Filter Board
8	Microwave IDU (Indoor Unit)	Top Cover
		Bottom Cover
		IF Board
		Main Processing Board
		Power Module Terminal
		Fan Module Terminal

4. 26410 – Industri Televisi Dan/ Atau Perakitan Televisi

No	Jenis Barang	Uraian Komponen Utama
1	Televisi LED	Display Module
		AC Cord
		Powerboard dan/atau Mainboard
		Speaker
		Back Cover
		Front Cover
		AV Bracket
		Karton Box
		EPS/Inner Packing
		Base Stand
		Remote Control
		Fastener

5. 26490 – Industri Peralatan Audio dan Video Elektronik Lainnya

No	Jenis Barang	Uraian Komponen Utama
1	Speaker Aktif	Casing Assy
		PCBA Module (Mainboard, Switching, Power Supply, Amplifier, Control Panel)

		Loudspeaker
		Wire
		Karton Box
		EPS/Inner Packing
		Fastener
		Rechargeable Battery (Portable Speaker)
		AC Cord
2	Speaker Pasif	Casing Assy
		Crossover
		Loudspeaker
		Wire
		Karton Box
		EPS/Inner Packing
		Fastener
		Transformator

6. 27201 – Industri Batu Baterai

No	Jenis Barang	Uraian Komponen Utama
1	Base Band Unit (BBU)	Metal Cover
		Cabinet
		Separator PVC
		Lithium Cell
		Power Cable
		BMS Board
		Charging Board
		BMS Cover

7. 27310 – Industri Kabel Serat Optik

No	Jenis Barang	Uraian Komponen Utama
1	Kabel Tanam Langsung	Fiber Core
		Polybutilena (PBT)
		Steel Tape
		HDPE
		Haspel/Drum Kayu
2	Kabel Duct (Dalam Pipa)	Fiber Core
		Polybutilena (PBT)
		HDPE
		Haspel/Drum Kayu
3	Kabel Udara F8 (Aerial)	Fiber Core
		Polybutilena (PBT)
		Steel Wire
		HDPE
		Haspel/Drum Kayu
4	Kabel Udara ADSS	Fiber Core
		Polybutilena (PBT)
		HDPE
		Haspel/ Drum Kayu
5	Kabel Duct SCPT	Fiber Core
		Polybutilena (PBT)
		HDPE
		Haspel/Drum Kayu

6	Kabel Udara SCPT	Fiber Core
		Polybutilena (PBT)
		Steel Wire
		HDPE
		Haspel/Drum Kayu
7	Kabel Udara (Drop Core)	Fiber Core
		Steel Wire
		HDPE
		Haspel/Drum Kayu
8	Kabel Duct (Drop Core)	Fiber Core
		HDPE
		Haspel/Drum Kayu
9	Kabel Laut (Sub Marine)	Fiber Core
		Polybutilena (PBT)
		Steel Wire
		HDPE
		Haspel/Drum Kayu

8. 27409 - Industri Peralatan Penerangan Lainnya

No	Jenis Barang	Uraian Komponen Utama
1	Luminer Lampu Jalan Umum	Driver Module
		Housing - Main
		LED Module
		Housing - Cover
		SPD Module
		Housing - Glass
2	Luminer Lampu Jalan Umum Smart	Driver Module
		Housing - Main
		LED Module
		Smart Controller
		Housing - Cover
		SPD Module
3	Luminer Lampu Jalan Umum Solar	Battery
		Solar Panel
		Housing - Main
		LED Module
		Charger Controller
		Housing - Mounting
4	Luminer Lampu Jalan Umum Solar Smart	Battery
		Solar Panel
		Housing - Main
		LED Module
		Charge Controller
		Smart Controller
5	Luminer Lampu Sorot	Driver Module
		Housing - Main
		LED Module
		Housing - Cover
		SPD Module
		Housing - Glass

6	Luminer Lampu Sorot Smart	Driver Module
		Housing - Main
		LED Module
		Smart Controller
		Housing - Cover
		SPD Module
		Housing - Glass
7	Luminer Mapu Taman	Driver Module
		Housing - Main
		LED Module
		Housing - Cover
8	Luminer Lampu Tanam Smart	Driver Module Smart
		Housing - Main
		LED Module
		Housing - Cover
9	Luminer Lampu Magun	Driver Module
		Housing - Main
		LED Module
		Housing - Cover
10	Luminer Lampu Magun Smart	Dirver Module Smart
		Housing - Main
		LED Module
		Housing - Cover
		Sensor
11	Luminer Lampu Magun Solar	Battery
		Solar Panel
		Housing - Main
		Module - Driver Module
		Housing - Mounting
		Sensor
12	Luminer Lampu Portable	Driver Module
		Housing - Main
		LED Module
		Housing - Cover
		Housing - Mounting
13	Luminer LED Rantai Cahaya	LED Module
		Driver Module
		Kabel
14	Luminer LED Strip	LED Module
		Driver Module
		Kabel
15	Lampu LED Swaballast	LED Module
		Driver Module
		Housing - Main
		Housing - Lensa
		Packaging
		End Cap
16	Lampu LED Tube Swaballast	LED Module
		Driver Module
		Housing - Main
		Hosuing - lensa
		Packaging
		End Cap

9. 27510 – Industri Peralatan Listrik Rumah Tangga

No	Jenis Barang	Uraian Komponen Utama
1	Mesin Cuci	Body Set
		Control Panel Assy
		AC Cord
		Motor Assy
		Carton Box
		EPS/Inner Packing
		Fastener
2	Dispenser	Spin Tub
		Casing Set
		Hot Tank Assy (Thermostat, Heater, Bimetal)
		Cold Tank Assy
		AC Cord
		Cooling System Assy (Kompresor, Peltier)
		Pump Assy
		Switch Controller
		Valve Assy
		Temperature Control
		Kondensor
		Carton Box
		EPS/Inner Packing
		Wire Harness
Display Module Set		
3	Blender	Fastener
		Casing
		AC Cord
		Motor Assy
		Switch Controller
		Jar
		Karton Box
4	Mixer	EPS/Inner Packing
		Blade
		Motor Assy
		AC Cord
		Casing
		Beater
		Dough Cook
		Karton Box
EPS/Inner Packing		
Fastener		
Motor Assy		

10. 27520 – Industri Peralatan Elektrotermal Rumah Tangga

No	Jenis Barang	Uraian Komponen Utama
1	Kipas Angin	Baling - Baling (Blade)
		Motor Assy
		Casing Set
		Fan Guard
		AC Cord

		Fastener
		Carton Box
		EPS/Inner Packing
		Base
		Switch Controller
2	Setrika Listrik dan Uap	Casing
		Elemen Pemanas
		AC Cord
		Karton Box
		EPS/Inner Packing
3	Penanak Nasi	Casing Set
		Inner Pan/Panci
		AC Cord
		Elemen Pemanas
		Fastener
		Karton Box
		EPS/Inner Packing
		Microswitch/Control Panel Assy
		Thermostat
		Gasket Silikon
		Ground Wire

11.28130 - Industri Pompa Lainnya, Kompresor, Kran dan Klep/ Katup

No	Jenis Barang	Uraian Komponen Utama
1	Pompa Air Shallow Well	Pump Casing
		Motor Assy
		Impeller Cover
		Carton Box
		Inner Packing
		AC Cord
		Akumulator Set/Small Tank Set
		Impeller Set
		Fastener
		Fan Set
		Pressure Switch
		Casing Cover
		Capacitor
		Terminal Cover
2	Jet Pump	Pump Casing
		Motor Assy
		Impeller Cover
		Carton Box
		Inner Packing
		AC Cord
		Akumulator Set/Small Tank Set
		Impeller Set
		Fastener
		Fan Set
		Pressure Switch
		Suction Flange
		Jet Assy
		Pressure Tank
AVC/Air Charger		

	Casing Cover
	Capacitor
	Capillary Tube
	Terminal Cover

12.28193 – Industri Mesin Pendingin

No	Jenis Barang	Uraian Komponen Utama
1	Lemari Pendingin, Showcase, Freezer	AC Cord
		Kompresor
		Control Box Assy
		Door Assy
		Cabinet Assy
		Carton Box
		EPS/Inner Packing
		Wire Harness
		Fastener
		Condensor Set
		Evaporator
2	Air Conditioner	Casing Indoor Assy
		Casing Outdoor Assy
		Control Board Assy
		Evaporator
		Fan Motor Indoor
		Kondensor
		Fan Motor Outdoor
		Kompresor Assy
		AC Cord
		Wire Harness
		Tube Assy
		Fastener
		Carton Box
		EPS/Inner Packing
		Remote Control
Valve Assy		

DIREKTUR JENDERAL
INDUSTRI LOGAM, MESIN,
ALAT TRANSPORTASI DAN
ELEKTRONIKA,
KEMENTERIAN
PERINDUSTRIAN



SETIA DIARTA