

**List of the Items having sufficient local capacity and Competition under 3(a) across the Ministries as on 22.03.2022**

S.No.	Associated Ministries/Departments	No. of Items Notified/Notification dated
1.	Department of Pharmaceuticals	154. Notification dated 16.02.2020 & 25.03.2020 .
2.	Ministry of Electronics & IT	01 (Cellular Mobile Phone) Notification dated 29.04.2020.
3.	Ministry of Heavy Industries.	116 Notification dated 22.11.2021, 29.12.2021 & October 2020 .
4.	Department of Chemicals & Petrochemicals	28 Notification dated 12.02.2021 .
5.	Department for Promotion of Industry & Internal Trade	07 Notification dated 04.02.2021 .
6.	Ministry of Housing & Urban Affairs	64 Notification dated 01.01.2021 .
7.	Ministry of Shipping	06 Notification dated 17.09.2021
8.	Ministry of Railways	(a) All types of wagon and all spares and components required for manufacture and maintenance of wagons, including hardware and consumable <b>except</b> for the three categories of items:  1-Automatic twist lock to RDSO Document No. CONTR-01-MSG-ATL-2011 and envelope drg no. CONTR-9405/S/21 2. Grease for CTRB Class E& Class K to RDSO specification No. WD-24-MISC-2003 3. Steel: For procurement of steel the notification of M/o Steel dated 29.05.2019 shall apply. (b) Electrical/signalling Items : 28 (c) Design, Development, manufacture, supply, integration, testing and commissioning of IGBT based 3-phase propulsion, control and other equipments (including 40 Items.)  Notification dated 22.06.2020, 12.07.2020 & 18.09.2020).
9.	Department of Defence Production	46 Notification dated 25.08.2020 & 05.10.2020
10.	Ministry of Power	210 Notification dated 16.11.2021 .

11.	Ministry of New and Renewable Energy	78 Notification dated 09.02.2021.
12.	Ministry of Steel	62 Notification dated 29.05.2019.
13.	Ministry of Mines	01-Aluminium Metal Notification dated 06.12.2021.
14.	Department of Fertilizers	Yet to be notified.
15.	Department of Science and Technology	Yet to be notified.
16.	Ministry of Civil Aviation	Yet to be notified.
17.	Department of Defence, Ministry of Defence	Yet to be notified.
18.	Ministry of Textiles	Yet to be notified.
19.	Ministry of Petroleum and Natural Gas	Yet to be notified.
20.	Department of Telecommunications	Yet to be notified.

**Total No. Items Notified: 842**

**Consolidated list of the Items having sufficient local capacity and Competition under 3(a) notified by the nodal Ministry/Department**

**1. Department of Pharmaceuticals:**

**Total no. of Items-154.**

The list of medical devices:

Sr. No.	Name of Medical Device
01	Detection Kit of Amylase
02	Detection Kit of Alkaline Phosphatase
03	Detection Kit of Bilirubin
04	Detection Kit of Calcium
05	Detection Kit of Phosphorus
06	Detection Kit of Cholesterol
07	Detection Kit of Creatinine
08	Detection Kit of Glucose
09	Detection Kit of Gamma-GT
10	Detection Kit of HDL Cholesterol
11	Detection Kit of LDL Cholesterol
12	Detection Kit of LDH
13	Detection Kit of Micro protein
14	Detection Kit of SGOT
15	Detection Kit of SGPT
16	Detection Kit of Triglycerides

17	Detection Kit of Urea
18	Detection Kit of Uric Acid
19	Detection Kit of GHbA1C.
20	Detection Kit of Albumin
21	Detection Kit of Total Protein
22	Detection Kit of Creatine Kinase (CK)
23	Detection Kit of Creatine Kinase MB (CKMB)
24	Detection Kit of Magnesium.
25	Detection Kit of Hemoglobin
26	Detection Kit of Acid Phosphatase
27	Detection Kit of Cholinesterase
28	Detection Kit of Lipase
29	Detection Kit of Copper
30	Detection Kit of Iron
31	Detection Kit of Adinosine Deaminase (ADA)
32	Detection Kit of Bicarbonate Reagent Kit (CO2)
33	Detection Kit of G6PDH Screening
34	Detection Kit of Homocysteine
35	Detection Kit of TIBC
36	Detection Kit of ZINC
37	Detection Kit of UIBC
38	Detection Kit of ACE (Angiotensin Converting Enzyme)
39	Detection Kit of D-Dimer Assay Kit

40	Detection Kit of Lp(a) (Lipoprotein)
41	Detection Kit of RF
42	Detection Kit of CRP
43	Detection Kit of ASO
44	Detection Kit of Sodium
45	Detection Kit of Potassium
46	Detection Kit of Chloride
47	Diluent for 3 Part Hematology Analyzers
48	Lyse for 3 Part Hematology Analyzers
49	Rinse/Detergent for 3 Part Hematology Analyzers
50	Enzymatic Cleaner reagent for Hematology Analyzers
51	Probe Cleaner/Hard cleaner for Hematology Analyzers
52	Diluent for 5 Part Hematology Analyzers
53	Lytic Reagent
54	Lyse- 1for 5 Part Hematology Analyzers
55	Lyse- 2for 5 Part Hematology Analyzers
56	Lyse- 3for 5 Part Hematology Analyzers
57	Detection Kit of ASO
58	Detection Kit of CRP
59	Detection Kit of RF
60	Detection Kit of RPR
61	Detection Kit of WIDAL
62	Detection Kit of Brucella A & M Antigen kit

63	Detection Kit of Anti A
64	Detection Kit of Anti B
65	Detection Kit of Anti D (IgM)
66	Detection Kit of Anti D (IgG + IgM)
67	Detection Kit of Anti AB
68	Detection Kit of Direct & Indirect Coombs Reagent (AHG)
69	Detection Kit of BSA-(22%/30%)
70	Detection Kit of Malaria Pf/Pv Antigen
71	Detection Kit of Malaria Pan Antigen
72	Detection Kit of Malaria Pf/Pan
73	Detection Kit of hCG (Pregnancy)
74	Detection Kit of Syphilis
75	Detection Kit of Troponin-I
76	Detection Kit of HIV
77	Detection Kit of HCV
78	Detection Kit of HBsAg
79	Detection Kit of Typhoid IgG/IgM
80	Detection Kit of Typhoid Antigen
81	Detection Kit of Dengue NS1
82	Detection Kit of Dengue NS1+IgG/IgM
83	Detection Kit of Chikungunya IgM Antibody
84	Detection Kit of Leptospira Antibody
85	Detection Kit of Japanese Encephalitis Virus Antibody

86	Detection Kit of Amphetamine.
87	Detection Kit of Marijuana
88	Detection Kit of Barbiturates
89	Detection Kit of Benzodiazepine (BZD)
90	Detection Kit of Phencyclidine (PCP)
91	Detection Kit of Methadone
92	Detection Kit of Rota virus Ag
93	Detection Kit of Prostate Specific Antigen (PSA)
94	Detection Kit of Cocaine
95	Detection Kit of Morphine
96	Detection Kit of HAV IgM Ab
97	Detection Kit of Chlamydia Ag
98	Detection Kit of H. pylori Ab
99	Detection Kit of H. Pylori Ag
100	Detection Kit of APO A1
101	Detection Kit of APO B
102	Detection Kit of C4
103	Detection Kit of C3
104	Detection Kit of Ceruloplasmin
105	Detection Kit of high sensitive CRP
106	Detection Kit of Cystatin C
107	Detection Kit of HIV Antigen/Antibodies
108	Detection Kit of HBsAg

109	Detection Kit of HCV Antibodies
110	Detection Kit of Syphilis
111	Detection Kit of Dengue NS-1 Antigen
112	Detection Kit of Dengue IgG
113	Detection Kit of Dengue IgM
114	Detection Kit of Malaria PAN (LDH) Antigen
115	Detection Kit of T3
116	Detection Kit of T4
117	Detection Kit of TSH
118	Detection Kit of FT3
119	Detection Kit of FT4
120	Detection Kit of FSH
121	Detection Kit of LH.
122	Detection Kit of PRL
123	Detection Kit of Glucose
124	Detection Kit of Glucose/Ketone
125	Detection Kit of Glucose/Protein
126	Detection Kit of (Glu/Pro/pH/SG)
127	Detection Kit of Urine
128	Detection Kit of Thromboplastin Prothrombin Time
129	Detection Kit of Activated Partial Thromboplastin (APTT)
130	Detection Kit of Clinical Chemistry
131	Detection Kit of Diabetes



132	Detection instrument( Electrolyte Analyser) of Sodium/Potassium/Chloride/Ionized Calcium/Lithium in-vitro
133	Detection instrument of Blood Glucose monitor & Glucose test strips
134	Fully Automated Clinical Chemistry Analyser
135	Semi-Automated Clinical Chemistry Analyser

**Additional List of the Items vide  
notification dated 25.03.2020**

<b>Sr. No.</b>	<b>HS Code</b>	<b>Name of Medical Device</b>
01	30059040	Bandages Without Adhesive Layer
02	30059090	Other Dressing Articles N.E.S.
03	30061010	Sterile Surgcl Catgut, SmIrMtrls And Strle Tissue Adhsvs For Surgical Wound Closure
04	40151100	Surgical Gloves, Mittens and Mitts
05	90181100	Electro-cardiographs
06	90181290	Other Electro - DiagnostcAparatus
07	90183100	Syringes, W/N with Needles
08	90183210	Suture Needles
09	90183220	Hollow needles for injection, aspiration, biopsy and transfusion
10	90183290	Other Tubular Metal Needles
11	90183910	Catheters (for Urine, Stool)
12	90183920	Cardiac Catheters
13	90183930	Cannulae
14	90189022	Surgical Knives, Scissors And Blade
15	90189032	Blood transfusion apparatus

16	90189044	Endoscopes
17	90211000	Orthopaedic or fracture appliances
18	90213100	Artificial Joints
19	90221490	Other X- ray Machines for Medical uses (Including EEG Apparatus, ECG Machine)

**2. MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY -01  
(Cellular Mobile Phones) vide notification dated 29.04.2020**

**3. DPIIT (For Paper) vide notification dated 04.02.2022:**

**Total: 07 Items**

Sl. No.	Type of Paper
1.	Writing & Printing Paper ( WPP),
2.	Copier paper (cut size)
3.	Art Paper
4.	Art Card
5.	Kraft Paper
6.	Newsprint
7.	Security Paper (MICR,

**4. Ministry of Heavy Industries: Notification dated 22.11.2021,29.12.2021 & October 2020**

**Total no. of items: 116**

**(a) Notification dated October 2020 M/o HI :**

<b>S. No.</b>	<b>Automobiles based on IC Engines</b>
1	Passenger Vehicles (passenger cars, utility vehicles, vans)
2	Commercial vehicles (LCVs, M&HCVs)
3	Two-wheelers (Mopeds, Scooters, Motorcycles)
4	Three-wheelers (Goods & Passengers)

<b>S. No.</b>	<b>Automotive Components for IC Engine Vehicles</b>
1	Rubber Parts
2	Asbestos packing joints and gaskets
3	Brake Linings And Pads (Containing Asbestos)
4	Asbestos friction materials
5	Brake linings and pads (Not containing Asbestos)
6	Automotive Glass
7	Leaf-springs : For motor vehicles
8	Leaf-springs : Leaves for springs
9	Helical springs
10	spring pins
11	Automotive Wheels
12	Locks of a kind used for motor vehicles
13	All types of diesel, petrol, Hybrid engine and engine parts
14	Gas compressors, Turbo charger
15	Parts - air conditioning

16	Oil or petrol-filters for internal combustion engines
17	Intake air filters for internal combustion engines
18	Air Purifiers or Cleaners
19	Parts of Machinery and apparatus for filtering
20	All kind of bearings
21	Bearing housings, incorporating ball or roller bearings
22	Bearing housings, not incorporating ball or roller bearings plain shaft bearings
23	Gears and gearing, other than toothed wheels, chain sprockets and other transmission elements presented separately; ball or roller screws; gear boxes and other speed changers, including torque converters
24	Pulleys, power transmission
25	Flexible coupling
26	Fluid coupling
27	Other: Clutches and Shaft couplings, including Universal joints
28	Toothed wheels, chain sprockets and other transmission elements presented separately; parts
29	Asbestos metallic packings and gaskets (excluding gaskets of asbestos board reinforced with metal gauze or wire)
30	Mechanical seals
31	Spark plugs
32	Head lamps, tail lamps, stop lamps, side lamps and blinkers
33	Other automobile lighting equipment & Automotive Lighting
34	Horns
35	Windscreen wipers, defrosters and demisters
36	Sealed beam lamp units
37	Ignition wiring sets and other wiring sets of a kind used in vehicles
38	Safety seat belts
39	Gear boxes and parts thereof

40	Drive-axles with differential, whether or not provided with other transmission components, non-driving axles; parts thereof
41	Road wheels and parts and accessories thereof
42	Suspension systems and parts thereof (including shock absorbers) for motor vehicles
43	Radiators and parts thereof
44	Silencers (mufflers) and exhaust pipes; parts thereof
45	Clutches and parts thereof (Sintered Friction materials-SFM products)
46	Steering wheels, steering columns and steering boxes; parts thereof
47	Tachometers, non-electrical
48	Other optical instruments and appliances :Parts and accessories (Measuring & Checking Instruments -Sensors)
49	Instrument Panel Clocks and Clocks of a similar type for vehicles
50	Seats of a kind used for motor vehicles
51	Electrical Parts such motors, wiring harness, etc.
52	Suspension & Braking parts
53	Interiors (non-electronic)
54	Body and chassis parts
55	Drive Transmission & Steering
56	Automotive Switches, Instrument panels

**(b) Notification dated 22.11.2021 M/o HI:**

S. No.	Textile Machinery	HS Code
1	1 Metre Carding Machine with Chute	84451110
2	1.5 Metre Carding Machine with Chute	84451110
3	Comber upto 600 NPM with single delivery, linear auto can changer	84451210
4	Draw Frame — Breaker with delivery speed of up to 1000 MPM single / two deliveries with independent drive	84452011
5	Draw Frame - Finisher with delivery speed of up to 1000 mpm, single delivery system, digital short term auto levelling	84452011
6	Draw Frame - Finisher - with delivery speed of up to 1000 mpm, single delivery system, digital short term auto leveling	84452011
7	Speed Frame - with up to 1500 RPM flyer speed without auto doffer	84452014
8	Speed Frame- with up to 1500 RPM flyer speed, with auto doffer	84452014
9	Ring Spinning Frame with spindle speed of up to 25000 RPM without auto doffer	84452013
10	Ring Spinning Frame with spindle speed of upto 25000 RPM, with automatic	84452013
11	Ring Spinning Frame with spindle speed of upto 25000 RPM, with suction compact	84452013
12	Lap Former with delivery speed of up to 200 MPM	84451210
13	Bale Plucker with production of 2000 kg/hr,	84451960
14	Swift Floc with production of 600 kg/hr	84451960
15	Mixing Bale Opener with production of 600 kg/hr	84451960

16	Mixing Bale Opener with production of 250 kg/hr	84451960
17	Mono cylinder Beater with staggered pins production of 600 kg/hr	84451960
18	Universal Opening and Cleaning Machine with laminae trunk with production of 600 kg/hr,	84451960
19	Cleaning machine with production of 1000 kg/hr	84451960
20	Mixing and Blender Machine with production of 800 kg/hr	84451960
21	Cleaning and Dedusting Machine with production of 1600 kg/hr	84451960
22	TFO Twisting Machine for Jute	84453020
23	Synthetic Yarn TFO Twisting Machine	84453030
24	Silk Yarn TFO Twisting Machine	84453040
25	Woollen Yarn TFO Twisting Machine	84453050
26	Various Yarn TFO Twisting Machine	84453090
27	Cotton Fibre Winding Machine	84454010
28	Jute Yarn Winder / Reeling Machine	84454020
29	Synthetic Yarn Winder / Reeling Machine	84454030
30	Silk Yarn Winder / Reeling Machine	84454040
31	Woolen Yarn Winder / Reeling Machine	84454050
32	Various Yarn Winder / Reeling Machine	84454090
33	Cotton Weaving / Automatic Power loom	84462110
34	Other Power loom	84462190
35	Automatic Rapier loom (Crank Type)	84463011
36	Plain Rapier loom (Crank Type)	84463012
37	Other (Dobby / Jacquard) Rapier Loom (Crank Type)	84463090
38	Electronic Jacquard for Rapier Looms	84481190
39	Yarn Sizing Machine for Cotton or Synthetic Yarn	84518021

40	Card Clothing	84483100
41	Machinery and Accessories for Card Clothing	84483290
42	Radio Frequency Dryer	84512900
43	Hydro Extractor	84518090

**(c) Notification dated 29.12.2021 M/o HI :**

<b>B</b>	<b>'Rotating Equipment</b>		
1	Centrifugal pumps(Water Handling Pumps)	8413912	95
2	Compressors		90
<b>C</b>	<b>Instrumentation and Automation</b>		
1	Instruments for Pressure	9026200	90
2	Instruments for Temperature	9026200	90
3	Instruments for Flow		70
4	Instruments for Level	9026109	75
5	Process Analyser System	9027100	65
6	Continuous Emission Monitoring System	9027100	65
7	Ambient Air Quality Monitoring System	9027100	65
8	Distributed Control Systems		70/80
<b>D</b>	<b>Pipe Line Valves</b>		
1	Control Valves	7318160 0	85
2	Steam Conditioning Valves/Turbine Bypass Valve	8481801	80
		8481809	80
3	Valves for High Temperature and Pressure (Gate, Globe, Ball,	8481801	80
		8481809 0	80



5. Department of Chemicals & Petrochemicals (Notification dated 12.02.2021)

Total no. of Items: 28

<b>S.No.</b>	<b>Chemicals and petrochemicals</b>
	<b>Chemicals</b>
1.	Soda Ash
2.	Caustic soda
3.	Carbon Black
4.	Formaldehyde
5.	Liquid Chlorine
6.	Acetic Anhydride
7.	Nitrobenzene
8.	Acetaldehyde
9.	Ethyl Acetate
	<b>Petrochemicals</b>
10.	Polyester Filament Yarn
11.	Polyester Staple Fibre
12.	Expandable Polystyrene
13.	Polyester Chips/PET Chips
14.	Butadiene
15.	Benzene
	<b>Pesticides</b>
16.	D . D . V . P .
17.	Monocrotophos
18.	Fenvalerate
19.	Cypermethrin
20.	Chlorpyrifos
21.	Lambda Cyhalothrin
22.	Glyphosate
	<b>Dyestuff</b>
23.	Azo Dyes
24.	Acid Direct Dyes (other than Azo)
25.	Disperse Dyes
26.	Optical Whitening Agents
27.	Organic Pigment
28.	Reactive Dyes

**6. Ministry of Housing & Urban Affairs (Notification dated 01.01.2021) :**

**Total no. of items : 64**

<b>S.No.</b>	<b>Items Description</b>
<b>A.1 RSS, AC Traction and DC Traction substations</b>	
1	EHV, HV, LV and Control Cables
2	EHV, HV, LV Switchgears
3	Vaccum Insulated Switchgear
4	Air Insulated Switchgear
5	Battery Chargers
6	Batteries
7	Transformers
8	Fire protection System
9	Control Relay Panel
10	Conductor wires
<b>A.2 Flexible Overhead Catenary Systems (Viaduct)</b>	
11	Catenary, Return conductor, Buried conductor, Overhead Power Conductor
12	Bracket assembly/ OHE Mast/ Insulators for 25 kV Overhead Catenary System (viaduct)
<b>B. E &amp; M Works</b>	
<b>S.No.</b>	<b>Items Description</b>
1	Low voltage switchboard panels
2	Distribution Boards
3	MV cabling
4	Busducts
5	Wiring
6	Conduits, Cable Tray and Race ways
7	Lighting
8	Protective Earthing
9	Lightning protection
10	Fans
11	UPS
12	DG set
13	Fire Alarm
14	Fire hydrant system

15	Piping for fire fighting system
	Air Handling Units
	Water Piping system
	Grills/diffusers/nozzles
	Cooling tower
16	Lifts

### Signalling

Item No.	Description
1.	Depot Point Machine with other accessories: High thrust, trailable Point machine
2.	3 aspect, Shunt, Buffer light and route indicator singnals with accessories
3.	Power Distribution Cubicle with accessories for Interlocking stations, Secondary stations(station with object controller)
	Secondary stations (Non Interlocking Station)
4.	Control terminal with VDU display and associated accessories: Interlocking VDU
5.	Junction boxes for Signals and Point Machines
6.	Earthing material per station/depot
7.	Maintenance workstation at OCC, station
<b>Power Supply Arrangement for Main Line &amp; Depot equipment</b>	
1.	All type of UPS
2.	VRLA maintenance free batteries
3	Spare cell charger
4	Indoor & Outdoor DATA and power Signalling Cables
<b>Rolling Stock</b>	
SI. No.	Mandatory Items
1	Pantograph with base insulators and its control panel
2	Vacuum Circuit Breaker
3	HV cable and Surge arrestor
4	Transformer
5	Auxiliary Converter (SIV)
6	Electrical Coupler

7	Heating, Ventilation and Air-Conditioner (HVAC)
8	Driver Desk Panel
9	Ni-Cd Battery
10	Battery Box
11	Headlights
12	Luminaries
13	LED Head Light & Saloon Light
14.	Stainless Steel sheets
15	Axle Brake System
16	Axle Bearing
17	Axle Box with earth return brush
18	Gear Drive
19	Bogie Frame
20	Wheel Flange lubricator
21	Pneumatic Pippings - Stainless Steel
22	Air Reservoir for Secondary Suspension
23	FRP Panels
24	FRP Passenger Seats and Air Duct
25	All types of Glasses (Set of glasses of Door, Window & Windshield glass for 1 trainset)

**8. Ministry of Port, Shipping and Waterways (Notification dated 17.09.2021)**

**Total No. of Items: 06**

<b>Sl. No.</b>	<b>Description</b>
1.	Rubber/Steel Fenders
2	Cable Installation Material (Cable Rack/Saddle/Hanger/Tray etc)
3	Grating, Chequered Plates
4	Hand Tools
5	Cable Ties/Cable hangers
6.	Galvanized Sheet

**9. Ministry of Railways (Notification dated 22.06.2020, 12.07.2020 & 18.09.2020)**

**Notification dated 22.06.2020**

**Total no of items: 69**

SN	Item	Reference
1	Point Machine	D.5
2	Signal Unit	C.1
3	Shunt Signal – Position Light type	C.2
4	Electric Point & Lock Detector	D.2
5	Electric Key Transmitter	D.3
6	Double Line Block Instrument	A.4
7	Single Line Token Block Instrument (Handle Type)	A.5
8	Single Line Neale's Ball Token Block Instrument	A.6
9	Nylon Insulated Joints	H.8
10	Electric Lifting Barrier	J.1
	Above References/S.Nos. are from DOC No.QS-M-8.2.1-1 Version 1.0 issued by RDSO i.e. VENDOR DIRECTORY (SIGNAL & TELECOM) (Validity 01-01-2019 to 30-06-2019).	

**List B**

SN	Item	Reference
1	Cable (All Types)	B
2	LED Signal-Lighting Units for Railway Signalling	C-7
3	LED Signal Lamps for Main Color Light Signal for Railway Signalling	C-8
4	Electric Point Machine (Non-Trailable Type)	D-5
5	Motors for Electric Signal Machine	D-6
6	ARA Terminal Blocks and Fuse Blocks- Made PBT/Polycarbonate	E-2
7	Battery Charger for Railway S&T Installations	F-1
8	Track Feed Battery Charger	F-2
9	'SITEL' Primary Cells (Dry, Lachlanche Type) for Railway S&T Installations	F-7
10	Low Maintenance Lead Acid Stationary Secondary Cells for S&T installations	F-8
11	Solar Photo – Voltaic Module	F-10
12	RELAYS – Universal Plug-in type AC Lamp Proving Relay (M to C Contact) for LED Signal Lamp	G-1

13	Relays – 'Q' Series Neutral Line (ACI & Non-ACI)	G-3
14	RELAYS – Plug-in type, Track Relay 9 & 4 Ohm (ACI and Non-ACI)	G-4
15	Relays – Special Type (Metal to Carbon)	G-5
16	Choke Coil for Single Rail Track Circuits on 25 KV 50Hz AC electrified	H-6
17	Thermoplastic Poly Urethane Insulators for Railway Signalling	H-8
18	Fail Safe Electronic Time Delay Device for Railway Signalling	I-3
Above References/S.Nos. are from DOC No.QS-M-8.2.1-2 issued by RDSO i.e. VENDOR DIRECTORY (SIGNAL & TELECOM) (Validity 01.01.2020 to 31.06.2020)		

**Notification dated 12.07.2020 :**

(a) All types of wagon and all spares and components required for manufacture and maintenance of wagons, including hardware and consumable **except** for the three categories of items:

- 1- Automatic twist locks to RDSO Document No. CONTR-01-MSG-ATL-2011 and envelope drg no. CONTR-9405/S/21
2. Grease for CTRB Class E& Class K to RDSO specification No. WD-24-MISC- 2003
3. Steel: For procurement of steel the notification of M/o Steel dated 29.05.2019 shall apply.

**Notification dated 18.09.2020 :**

<b>Sl. No</b>	<b><u>Description of Items</u></b>
1.	lightning arrestors
2.	converters
3.	motors
4.	train control and management system (TCMS)
5.	Speed indicating cum recording system
6.	brake interface unit
7.	load weighing system with associated equipments
8.	bogie assembly
9.	event recorder
10.	voice communication system
11.	passenger information system
12.	onboard infotainment system
13.	passenger announcement systems.
14.	fire detection system
15.	driver cabin with all equipments
16.	passenger car surveillance system
17.	cables
18.	cable jumpers
19.	cable accessories
20.	inter-vehicular couplers (power and control) with coach jumper assembly
21.	pantograph with concomitant accessories
22.	APC receivers
23.	electrically operated wiper system,
24.	interface equipments with laptops
25.	special tools for assembly/ disassembly of various assemblies
26.	supervision of installation
27.	training
28.	brake controller
29.	circuit breakers
30.	lighting system
31.	Air-conditioning systems
32.	Auxiliary power system and comprehensive annual maintenance for some or all of the systems/ subsystems for train sets suitable.
33.	APC receivers
34.	electrically operated wiper system
35.	supply, integration
36.	testing and commissioning of IGBT based 3-phase propulsion
37.	control and other equipments
38.	batteries with accessories
39.	cable harnesses
40.	passenger information system (including CCTVs, speakers)



**10. Department of Defence Production : (Notification dated 25.08.2020 & 05.10.2020)**

**Notification dated 05.10.2020**

**Total no. of Items: 46**

<b>Si No.</b>	<b>Items</b>
1.	Electric Motor DC 27v 0.18 KW
2.	Stainless Steel Tube (316L) 88.9 X 5.49
3.	Automatic Galley Fire-Fighting Wet Chemical System
4.	Waterjets Propulsion System of above 3500 kw
5.	Forged Cu-Ni Fittings
6.	Superni 71 SA (Nickel based Super alloy)
7.	Superni 263A (Nickel based Super alloy)
8.	Superni 75A (Nickel based. Super alloy)
9.	Alloy 800/800H (Iron based Super alloy) —
10.	Superni 0276 (Nickel based Super alloy)
11.	Superni 750 (Nickel based Super alloy)
12.	Super cast 2.47A (Nickel based Super alloy)
13.	Supemi 690 (Nickel based Super alloy)
14.	Superni 600 (Nickel based Super alloy)
15.	Precipitation hardening stainless steel 13-8MoPH
16.	Precipitation hardening stainless steel 15-5Ph
17.	Precipitation hardening stainless steel 17-40
18.	Stainless Steel 321
19.	Stainless Steel 347A
20.	Alloy 99A
21.	Steel Tube (Annealed) 30KhGSA Gost 8732-78/ Gost 4543-71 OD 133X16mm thick

22.	Aluminium Alloy Extruded Seamless <b>Tube D16T as per Gost 18482-79/ 2024;1'4 as per EN573-3, 755-1, -2. -3, EN515 and ASTM B 241</b> OD I lamno X 2Ornm thick

**Notification dated 25.08.2020 :**

Si. No.	Items
	<b>Items used in Shipbuilding Industry</b>
1.	Helo Landing Grid
2.	Doors (Water tight & Weather tight)
3.	Inflatable Boat
4.	Oil Pumps
5.	Battery Loading Trolley
6.	Sacrificial Zinc Anode Flanges
7.	Fibre Glass Cloth —E Grade
8.	High temperature Gasket
	<b>Other items used in defence manufacturing Industry</b>
9.	Extra high strength structural steel plates UTS 790MPa ( 6 mm to 100 mm thickness )
10.	Abrasion resistant Extra high strength , hardened and tempered steel plates (6 mm to 100 mm thickness )
11.	Electric Motor (474175410130)
12.	Cable Assemblies (486872360154,486872400506, 487072020686,487072021268,487072130102)
13.	Modulator (212362440179)
14.	Belleville Springs No. 2A46M 109-55
15.	Sealing Ring 008-012-25 GCF TM-589C
16.	Sealing Ring 012-016-25 GCF TM-589C
17.	Sealing Ring 030-038-46 GCF TM-589C
18.	Sealing Ring 038-046-46 GCF TM-589C
19.	Sealing Ring 046-048-46 GCF TM-589C
20.	Sealing Ring 048-056-46 GCF TM-589C
21.	Sealing Ring 060-070-58 GCF TM-589C
22.	Sealing Ring 065-075-58 GCF TM-589C
23.	Sealing Ring 085-095-58 GCF TM- 589C
24.	Sealing Ring 100-110-58 GCF TM-589C

**11. Ministry of Power Notification dated 16.11.2021**

**Total no. of items: 210**

<b>Sl · N</b>	<b>Electrical Equipment for Generation, Transmission and Distribution sectors with sufficient local capacity and competition</b>	<b>Class-I Local Supplier (Minimum Local</b>
<b>(A) Common items for Transmission, Distribution and Generation Sector</b>		
1	Power Transformers (up to 765 kV, including Generator	60
2	Instrument Transformer (up to 765 kV)	60
3	Transformer Oil Dry Out System (TODOS)	60
4	Reactors up to 765 kV	60
5	Oil Impregnated Bushing (up to 400 kV)	60
6	Resin Insulated Paper (RIP) bushings (up to 145 kV)	50
7	Circuit Breakers (up to 765 kV AC - Alternating Current)	60
8	Disconnectors/Isolators (up to 765 kV AC)	60
9	Wave trap (up to 765 kV AC)	60
10	Oil Filled Distribution Transformers up to & Including 33 kV [Cold Rolled Grain Oriented (CRGO)/Amorphous, Aluminum/Copper wound]	60
11	Dry Type Distribution Transformer upto and including 33 kV (CRGO/Amorphous.	60
12	Conventional Conductor	60
13	Accessories for Conventional conductors	60
14	High Temperature/High Temperature Low Sag (HTLS) conductors (such as Composite core, GAP, ACSS, INVAR, AL59) and Accessories	60
15	Optical ground wire (OPGW) — all designs	60
16	Fiber Optic Terminal Equipment (FOTE) for OPGW	50
17	OPGW related Hardware and Accessories	60
18	Remote Terminal Unit (RTU)	50
19	Power Cables and accessories up to 33 kV	60
20	Control cables including accessories	60
21	XLPE Cables up to 220 kV	60
22	Substation Structures	60
23	Transmission Line Towers	60
24	Porcelain (Disc/Long Rod) Insulators	60

25	Bus Post Insulators (Porcelain)	60
26	Porcelain Disc Insulators with Room Temperature Vulcanization (RTV) coating	50
27	Porcelain Longrod Insulators with Room Temperature Vulcanisation (RTV) coating	50
28	Hardware Fittings for Porcelain Insulators	60
29	Composite/Polymeric Long Rod Insulators	60
30	Hardware Fittings for Polymer Insulators	60
31	Bird Flight Diverter (BFD)	60
32	Power Line Carrier Communication (FLOC) System (up to	60
33	Gas Insulated Switchgear (up to 400 kV AC)	60
34	Gas Insulated Switchgear (above 400 kV AC)	50
35	Surge/Lightning Arrester (up to 765 kV AC)	60
36	Power Capacitors	60
37	Packaged Sub-station (6.6 kV to 33 kV)	60
38	Ring Main Unit (RMU) (up to 33 kV)	60
39	Medium Voltage (MV) GIS Panels ( up to 33 kV)	60
40	Automation and Control System/Supervisory Control and data Acquisition (SCADA) System in Power System	50
41	Control and Relay Panel (including Digital/Numerical Relays)	50
42	Electrical Motors 0.37 kW to 1 MW	60
43	Energy Meters excluding smart meters	50
44	Control & power cables and Accessories (up to 1.1 kV)	60
45	Diesel Generating (DG) set	60
<b>Sl. No.</b>	<b>Electrical Equipment for Generation, Transmission and Distribution</b>	<b>Class-I Local</b>
46	DC system (DC Battery & Battery Charger)	60
47	AC & DC Distribution Board	60
48	Indoor Air Insulated Switchgear (AI S) upto 33 kV	60
49	Poles (PCC, PSCC, Rolled Steel Joist, Rail Pole, Spun,	60
50	Material for Grounding/earthing system	60
51	Illumination system	60
52	Overhead Fault Sensing Indicator (FSI)	50
53	Power Quality Meters	50
54	Auxilliary Relays	50
55	L o a d B r e a k S w i t c h	50
<b>(B) Hydro Sector</b>		

56	Hydro Turbine & Associated equipment	
	a) Francis Turbine	60
	b) Kaplan Turbine	60
	c) Pelton Turbine	50
57	Main Inlet Valve & Associated Equipment	60
58	Penstock Protection Valve and Associated Equipment	60
59	Governing system & Accessories	60
60	Generator for Hydro Project & Associated Equipment	60
61	Static Excitation System	60
62	Workshop Equipment	60
63	Cooling Water System	60
64	Compressed Air System	60
65	Drainage/Dewatering System	60
66	Fire Protection System	60
67	Heating, Ventilation & Air Conditioning System (HVAC)	60
68	Oil Handling System	60
69	Mechanical Balance of Plant (BOP) Items	60
	<b>(C) Thermal Sector</b>	
	<b>Boiler Auxiliaries</b>	
70	Air Pre-Heater	60
71	Steam Coil Air Pre Heater (SCAPH)	60
72	Steam soot blowers [wall blowers & Long Retractable Soot Blower <b>(LRSB)</b> ]	60
73	Auxiliary Steam Pressure Reducing & Desuperheating (PRDS)	60
74	Fuel oil system	60
75	Seal air Fan	60
76	Ducts and dampers	60
77	Duct expansion joints	60
78	Blowdown tanks	60
79	Coal burners and oil burners	60
80	Coal mills	60
81	Gear Box of Coal Mill	50
82	Coal feeders	60

83	Primary Air Fans	60
84	Forced Draft Fans	60
85	Induced Draft Fans	60
86	Forced Draft (FD)/Induced Draft (ID)/ Primary Air (PA) Fan Servo Motor Assembly	50
87	Tubes (Carbon Steel)	50
88	Steam pipes (Carbon Steel)	50
89	Steam drum	50
90	Separator	50
91.	Selective Catalytic Reduction(SCR)	
	<b>Electrical Equipment for Generation, Transmission and Distribution sectors with sufficient local capacity and competition</b>	Class-I Supplier (Minimum Local Content %)
	<b>Electro-Static Precipitators (ESPs)</b>	
92.	Casing	60
93.	Electrodes	60
94.	Rapping System	60
95.	Hopper Heaters Transformer Rectifiers	60
96.	Transformer Rectifiers	60
97.	Insulators	60
	<b>Turbine &amp; Auxiliaries</b>	
98.	Turbine(High Pressure/Intermediate Pressure/Low Pressure)	50
99.	Condensate Extraction Pumps	60
100.	Condenser Online Tube Cleaning system(COLTTS)	60
101.	Debris filters	60
102.	Deaerator	60
103.	Drain Cooler and Flash Tank	60
104.	ECW Pump Oil Purifying Centrifuge	50
105.	Plate Heat Exchanger	50
106.	Self- cleaning filter	50
107.	Condensate Polishing Units{CPUs}	60

108.	Chemical Dosing System Thermocouples	60
109.	Oil Filter	60
110.	Gland Steam Condenser	60
111.	Oil Purifying Centrifuge	50
112.	Water Cooled Condenser	50
113.	Boiler Feed Pumps(BFPs) Crushers &Screens	50
	<b>Generator and Auxiliaries</b>	
114.	Generator(including Seal Oil System, Hydrogen Cooling System, Stator water cooling system) Air Compressors	60
	<b>Electrical Works</b>	
115.	Control and metering equipment	60
	<b>Control &amp; Instrumentation System(C&amp;I System)</b>	
116.	Thermocouples	50
117.	Measuring instruments(Resistance Temperature Detectors (RTDs)],Local	50
118.	Actuators(Pneumatic and conventional electric)	50
119.	Interplant Communication/Public Address(PA) system except IP based	50
	<b>Coal Handling Plant</b>	
120.	Conveyors	60
121.	Wagon Tippler	60
122.	Side Arm Charger	60
123.	Paddle feeder	60
124.	Crushers &Screens Magnetics separators &metal detectors	60
125.	Dust suppression{dry fog & plain water}system	60
126.	Air Compressors	50
127.	Magnetic separators & metal detectors.	60
128.	Coal Sampling System.	60
129.	Stacker cum reclaimer	60
130.	Belt weighing & monitoring system	60

131.	Wheel & axle assembly (without bearings) for Bottom Opening Bottom release (BOBR) Wagons.	60
	<b>Ash Handling System</b>	
132.	Clinker grinder	60
133.	Water jet ejectors	60
134.	Scraper chain conveyor	60
135.	Dry fly ash vacuum extraction system	60
136.	Pressure (Pneumatic conveying system.	60
<b>Sl · N o.</b>	<b>Electrical Equipment for Generation, Transmission and Distribution sectors with sufficient local capacity and competition</b>	<b>Class-I Local Supplier (Minimum Local</b>
137	Ash water & ash slurry pumps	60
138	Compressors, air dryers & air receivers	50
139	Ash water recovery system	60
	<b>Raw Water Intake &amp; Supply System</b>	
140	Travelling water screens	60
141	Raw water supply pumps	60
142	Valves, RE joints etc.	60
	<b>Water Treatment System and Effluent Treatment System</b>	
143	Clarification plant	60
144	Filtration plant	60
145	Ultra filtration plant	50
146	Reverse Osmosis (RO) plant and its membrane	55
147	De-Mineralised water plant (DM Plant)	60
148	Chlorination plant	60
149	Chemical dosing system	60
150	Effluent Treatment Plant	60
	<b>Circulating Water (CW) &amp; Auxiliary Circulating Water (ACW) System</b>	
151	CW & ACW Pumps	60
152	Butter Fly (BF) valves, Non-return Valves (NRVs) etc.	60
153	Rubber Expansion (RE) joints	60
154	Air release valves	60
	<b>Cooling Towers (NDCT/ IDCT)-Natural-Draft and Induced Draft Cooling Tower</b>	



155	Water Distribution System	60
156	Spray nozzles	60
157	Packing	60
158	Drift eliminators	60
159	Cooling Tower (CT) Fans (for Induced Draft Cooling Towers IDCT)	60
160	Gear boxes, shafts & motors (for IDCT)	60
<b>Air Conditioning &amp; Ventilation System</b>		
161	Split & window air conditioners	60
162	Chilling/ condensing unit [upto 500 ton of refrigeration(TR)]	55
163	Air Handling Unit (AHU) and Fresh air unit	60
164	Cooling Towers	60
165	Air Washing Units (AWUs), axial fans, roof extractors	60
166	Ducts, louvers & dampers	60
<b>Flue Gas Desulphurization (FGD) Spray Nozzles,</b>		
167		50
168	Spray header	50
169	Oxidation Blowers	50
170	Limestone wet Ball Mill	50
171	Slurry Handling Pumps for FGD system	50
172	Booster Fans for FGD system	50
173	Carbon Steel Ducts and Dampers for FGD	60
174	Storage Tanks and Silos	60
175	Process Water Pump for FGD system	50
<b>(D) Other Common Items</b>		
<b>Fire protection and detection system</b>		
176	Motor driven fire water pumps	60
177	Diesel engine driven fire water pumps	60
178	Hydrant system for the power	60
179	plant. High velocity water	60
180	spray system Medium velocity water spray system	60
181	Foam protection system	60
182	Inert gas flooding system	60
<b>Sl. No</b>	<b>Electrical Equipment for Generation, Transmission sectors with sufficient local capacity and</b>	<b>Class-i Supplier (Minimum Content (%))</b>

183	Fire tenders	60
184	Portable fire-extinguishers	60
185	Cranes, EOT cranes, gantry crane & chain pulley blocks etc.	60
186	Elevator	60

**(E) Minimum Local Content percentages in Engineering, Procurement & Construction (EPC)1 Turnkey project**

In case the contract is awarded through the EPC route, the contractor should comply with the requirement of MLC for individual items as listed in Annexure-I and should purchase these items only from Class-I Local supplier. In addition, MLC for complete EPC project may also be prescribed as below:

	<b>(1) Package Based Works</b>	<b>Minimum Local Content (%)</b>
1	Boiler	60
2	TG System ( Water Cooled Condenser)	60
3	Ash Handling Plant	60
4	Coal Handling Plant	60
5	Electro-static Precipitator (ESP)	60
6	Circulating Water (CW) System	60
7	Cooling Tower	60
8	Water Treatment System	60
9	Air Conditioning System ( below 500TR)	60
10	Flue Gas Desusphurisation (FGD) System	60
11	Station Control & Instrumentation (C&i)	50
12	Hydro Power Projects (Electro-Mechanical Works)	60
	<b>Gas based generation</b>	
	<b>Overall Gas Turbine Package (on finished Product</b>	
13	< 44 MW	60
14	44 —145 MW	50
	<b>Overall Combined Cycle Gas Turbine (CCGT) Package (on finished Product basis)</b>	
15	<44 MW	60

16	44 — 145 MW	60
17	> 150 MW	60
<b>(2) Project as a whole</b>		
1	Works and service contracts in Power Sector	60
2	Transmission Line with Conventional conductors (ACSR, AAAC, AL-59 etc.)	60
3	Transmission Line with High temperature Low Sag (HTLS) conductors	60
4	HVAC Substation Air Insulated (AIS)	60
5	HVAC Substation Gas Insulated (GIS)	60
6	HVDC Substation	60
7	Distribution Sector	60

**12. Ministry of New and Renewable Energy (Notification dated 09.02.2021)**

**Total No. of items: 78**

	<b>A. Small Hydro Power</b>
1.	Turbine
2.	Generator
3.	Penstock pipelines
4.	Control panel
5.	Governors
6.	Cables
7.	Valves
8.	Transformers
9.	Switchgears
	<b>B. Wind Power</b>
10.	Gear box,
11.	Blades,
12.	Rotor,
13.	Generator,
14.	Tower,
15.	Hub,
16.	Parts of controller,
17.	Bearings,
18.	Yaw mechanism components,
19.	Nacelle
	<b>Off Grid/ Decentralized Solar Power</b>
20.	Solar street lights
21.	Solar home lighting systems
22.	Solar power packs

23.	Micro grid
24.	Solar water pumps
25.	Inverters
26.	Batteries
27.	Other solar PV balance of system components for Off Grid/Decentralized solar power projects.
	<b>Grid connected Solar Power Projects</b>
28.	Solar modules
29.	Solar inverters
	<b>Biomass Gasifier.</b>
30.	Biomass gasifier reactor
31.	Feed hopper
32.	Ash removal system
33.	Ash pump
34.	Cyclone
35.	Hot gas filter
36.	Gas blower
37.	Gas piping
38.	Control panel
39.	Platforms and ladders
40.	Water seals
41.	Gas burner for start up
42.	Automatic gas burner
	<b>Biomass Cogeneration</b>
43.	Boiler and its auxiliaries including ESP
44.	Turbines/ generator & its auxiliaries
45.	Electrical evacuation and distribution system
46..	Bagasse/biomass fuel storage and handling equipment
47.	Ash handling systems
48.	Cooling tower or air cooled condensers and its auxiliaries
49.	Water treatment plant

50.	Control system
51.	Interface piping
52.	EOT crane
53.	ETP
	<b>Municipal Solid Waste (MSW) Projects</b>
54.	Boiler
55.	Hue gas cleaning system
56.	Grab crane system
57.	Waste processing system
58.	Leachate treatment plant
59.	Chimney
60.	Water/air condenser
61.	Turbine-generator,
62.	Water treatment plant
63.	Ash treatment plant
64.	Control and instrumentation system
	<b>Waste to Energy (biogasi bio-CNG)</b>
65.	Feed mixer
66.	Tank
67.	Mixing agitator 4 Feeding pump
68.	Feeding pump
69.	Digester tank
70.	Stirring agitator
71.	Double membrane balloon
72.	Liquid & gas piping systems
73.	Biogas purification system
74.	BCNG booster compressor
75.	B-CNG filling header
76.	Cylinder casket
77.	CNG dispenser
78.	Power generator

**12. Ministry of Steel (Notification dated 29.05.2019)**

Total No. of Item : 62

Sl.No.	Indicative list of Iron & Steel Products	Applicable HS code	Minimum Domestic value addition requirement.
1	Flat-rolled products of iron or non –alloy steel, of a width of 600 mm or more, hot rolled, not clad, plated or coated	7208	50%
2	Flat-rolled products of iron or non –alloy steel, of a width of 600 mm or more, cold rolled(cold reduced), not clad, plated or coated.	7209	50%
3	Flat-rolled products of iron or non –alloy steel, of a width of 600 mm or more, cold rolled (cold reduced), not clad, plated or coated.	7210	50%
4	Flat-rolled products of iron or non alloy steel, of a width of less than 600 mm, not clad, plated or	7211	35%
5	Hat-rolled products of iron or non alloy steel, of a width of less than 600 mm, clad, plated or	7212	35 %
6	Bars and rods, hot-rolled, in irregularly wound coils, of iron or non-alloy steel	7213	35%
7	Other bars and rods of iron or non alloy steel, not further worked than forged, hot rolled, hot-drawn or hot-extruded, but including those	7214	35%
8	Other bars and rods of iron or non alloy steel	7215	35%
9	Angles, shapes and sections of iron or non-alloy	7216	35%
10	Wire of iron or non-alloy steel	7217	50%
11	Flat-rolled products of stainless steel, of a width	7219	50%
12	Flat-rolled products of stainless steel, of a width	7220	50%
13	Other bars and rods of stainless steel; angles, shapes and sections of stainless steel	7222	50%
14	Wire of other alloy steel	7229	35%
15	Rails, railway or tramway track construction	7302	50%
16	Tubes, pipes and hollow profiles, of cast iron	7303	35%
17	Tubes, pipes and hollow profiles, seamless, of iron (other than cast iron) or steel	7304	35%
18	Other tubes and pipes (for example, welded, riveted or similarly closed), having circular cross-sections, the external diameter of which exceeds 406.4 mm, of iron or steel	7305	35%

19	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or	7306	35%
20	Tube or pipe fittings (for example, connectors/couplings, elbow sleeves), of iron or	7307	35%
21	Bars and rods, hot-rolled, in irregularly wound	7221	35%
22	Wire of stainless steel	7223	35%
23	Flat-rolled products of other alloy steel, of a width of 600 mm or more, including electrical	7225	35%
24	Flat-rolled products of other alloy steel, of a width of less than 600 mm, including electrical	7226	35%
25	Bars and rods, hot-rolled, in irregularly wound	7227	15%
26	Other bars and rods of other alloy steel; angles, shapes and sections, of other alloy steel; hollow	7228	35%
27	Sheet piling of iron or steel, whether or not drilled, punched or made from assembled	7301	15%
28	Structures (excluding prefabricated buildings of heading 9406) and parts of structures	7308	15%
29	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 whether or not lined or heatinsulated, but not fitted with mechanical or	7309	15%



30	Tanks, casks, drums, cans, boxes and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity not exceeding 300 L, whether or not lined or heat-insulated, but not fitted with mechanical or thermal	7310	15%
31	Containers for compressed or liquefied gas, of iron	7311	15%
32	Stranded wire, ropes, cables, plaited bands, slings and the like, of iron or steel, not electrically	7312	15%
33	Barbed wire of iron or steel; twisted hoop or single flat wire, barbed or not, and loosely twisted double wire, of a kind used for fencing, of iron or steel	7313	15%
34	Grill, netting and fencing, of iron or steel wire; expanded metal of iron or steel	7314	15%
35	Chain and parts thereof, of iron or steel	7315	15%
36	Anchors, grapnels and parts thereof, of iron or steel	7316	15%
37	Articles of iron and steel	7317	15%
38	Articles of iron and steel	7318	15%
39	Articles of iron and steel	7319	15%
40	Springs and leaves for springs, of iron or steel	7320	15%
41	Stoves, ranges, grates, cookers (including those with subsidiary boilers for central heating), barbecues, braziers, gas-rings, plate warmers and similar non-electric domestic appliances, and parts thereof, of	7321	15%
42	Radiators for central heating, not electrically heated, and parts thereof, of iron or steel; air heaters and hot air distributors, not electrically heated, incorporating a motor-driven fan or blower, and parts thereof, of iron or steel	7322	15%
43	Tables and similar household articles and parts	7323	15%
44	Sanitary ware and parts thereof, of iron or steel	7324	15%
45	Other cast articles of iron or steel	7325	15%
46	Electrical steel and other articles of iron or steel	7326	15%
47	Railway or tramway passenger coaches, not self-propelled	8605	50%
48	Railway or tramway goods vans and wagons, not self-propelled	8606	50%
49	Parts of railway or tramway locomotives or rolling-stock; such as bogies, bissel-bogies, axles and forged wheels, and parts thereof	8607	50%

Products included in descriptions are indicative; all products under the specified HS codes are included as part of the appendix

Indicative list of capital goods (non-exhaustive) for manufacturing iron & steel products

SI.No.	Plant Shop	Capital goods	Minimum domestic value addition requirement
1	Raw material handling system	Apron feeder, barrel couplings, heavy duty bearings, hydraulic disc brakes, tanker and container for powered materials, conveyor belt for pipe conveyor, high angle conveyer system, crushers, crane rail lubrication systems, four girder EOT Crane, crane weighing system, crane air conditioning, fluid coupling, fork lift trucks, hydraulic motors, hydraulic system, locking assembly (friction grip), load cells, level sensors, pipe	50%
		conveyor system, plough/ paddle feeder, pneumatic transportation - dense & lean phase. reclaimers, radio remote control, rail fixing arrangements (special), rapid/ flood loading system, stackers, special screen, slew ring bearings, tipplers, transfer cars, tongs (special), vibration, isolation system (spring damper), wagon tipplers, wagon loaders	
2	Mineral beneficiation (iron ore and coal)	Industrial crushers, grinding mills, conveyor pumps, high rate thickeners, filters, hydrocyclones	50%

3	Coke oven	<p>Coke Oven</p> <p>Silica Refractory, Anchorage System, Waste gas valve with branch pipe, Flash Plate, Door Frame, door body, Minor Casting: Gooseneck, Valve box, AP Lid, Charging &amp; inspection hole lid and frame Reversing mechanism, Centralised lubrication system, Hydrojet Door Cleaning Mechanism, Spillage code conveyor system, skip hoist, Door Lowering Rack, Isolation/ Reversing Cocks, Level II automation, Oven machines</p>	50%
4	By-product plant	<p>Primary Gas Cooler, Electrostatic TarPre</p> <p>Naphthalene Scrubber, Cornbi Stripper,</p> <p>Flushing Liquor Pump, Claus Kiln, Claus reactors, Waste Heat Boilers, Decanters</p>	50%
5	Sinter plant equipment	<p>Pallet car, Drive/discharge end Sprocket assembly, Curved rail, Slide rails, Hot sinter breaker and Grizzly,</p> <p>Dip rail &amp; running rail, Impeller assembly for Process fan, Drive assembly of Sinter machine. Hi-intensity Mixer &amp; Noduliser</p>	50%
6	Pellet plant equipment	<p>Pallet car, Drive/discharge end Sprocket assembly, Curved rail, Slide rails, running rail, Vertical roller mill, Impeller assembly for Process fan, Drive assembly of Indurating machine, Hi-intensity Mixer, Balling disc, Single deck roller screen and Double deck roller screen</p>	50%
7.	Blast furnace equipment	<p>Bell less top system with Bleeder valve, SG Iron stove coolers, Copper stove coolers, Stock level indicator (Radar Type), Mud gun, Drilling machine and Manipulator, Gas Cleaning Plant system, Top Recovery Turbine system including its by-pass valve, De-bricking Machine, Re-railing equipment, PCI system, Grinding mill for PCI, Stock level indicator, Tuyere Stock assembly, Waste Heat Recovery system, BF &amp; Hot Blast Stoves</p> <p>Technological Valves, Above Burden probes Tuyere &amp; Tuyere cooler, Torpedo Ladle Car, BF hearth refractory</p>	50%

8	Direct reduction plant equipment	Charge distributor, Upper & lower seal leg, Reformer & Re-cuperator system, Burden feeders, Turbo-expander, Process Gas Compressor , Seal gas compressors & bottom seal gas compressors, Seal gas generators & driers, Process Gas Heater, CO2 removal plant	50%
9	Basic oxygen furnace	Main and Maintenance equipment comprising of converter, gunning machine, Refractory/ slag monitoring device, converter vessel, trunnion ring and suspension system, trunnion bearings and housing, Converter bull gear unit and tilt drive system, Rotary joint for converter, bottom stirring system, Lance body with clamping, Lance copper tips, Valve stations for oxygen blowing/ bottom stirring, Sub-lance system, Off gas analyzer with process module i.e. Process software/ hardware, container lab Measurement probes, Switch over station, ID fan for primary gas, Hot metal and steel ladle, Ladle Transfer car, Ladle maintenance equipment, Slag pot, Slag pot transfer car, Scrap boxes, Scrap Transfer car, Lance carriage, Lance guide, Crane & hoist, Lance hoist & trolley, Lance tilting device, Traverse for lifting lances, Bunker of various sizes, Bin Vibrator, Weighing Hopper, Maintenance stands, De dusting suction hood, TeemingfHM, ladle relining stands, Stand Cooling stack inspection device, Hood traverse carriage, Refractories, Bypass & isolation valves, Flare stack & ignition system, Scrubbing tower shell - Wet gas cleaning system, Dog house, Ladle drier, ladle pre-heater, ladle cooler, Fume collection hoods, Clean gas stack, Dust silo, Weigh Bridge. Slag retaining device	50%

10.	Electric arc furnace	Furnace proper (includes furnace lower shell, upper shell and roof, Tilting platform, Furnace Gantry) and transformer, Electrode regulation system, Hydraulic system, Refractories, Parts of Level I & Level II Automation system. LF - water cooled ladle roof, electrode mast and arms, electrode regulating system, wire feeding system, Bottom inert gas stirring Valve stand for porous plug and top lance, Emergency lance mechanism, Lance carriage system with drive unit, Automatic temperature, sampling & bath level / O <sub>2</sub> measurement, Temp. & oxygen immersion lance, lance carriage system with drive unit, Hydraulic system, Refractories, Ladle roof Delta portion, RH proper (includes Ladle transfer car, vacuum vessel, Vessel lifting & lowering system. Hydraulic system, Multi Function lance, Valve racks/station, Electrode clamp unit, conductor of electrode arms, water cooled cable, A R stirring valve rack, lance transport car, Refractory lance, Hydraulic cylinder, Ladle roof lifting cylinder, Lubrication system, Suction hood, damper, Vibro feeder, weighing hopper, wire feeding system, Electrode nipiling stand, Cranes, hoist, Temperature & sampling tips, ladle stands, ESP, Deducting hoods, Refractories, bag filter, Cranes etc	50%
11.	Continuous casting equipment	Ladle turret, ladle cover manipulator, Ladle Shroud manipulator, tundish car, Continuous tundish temperature measurement system, Tundish stopper rod mechanism, emergency cut-off gate, mould assembly, Nozzle quick change device, mould oscillator and EMS system, Electro-Magnetic braking system, Strand guide segment, Withdrawal & Straightening unit (WSU), Roll gap checker, Emergency torch cutter. Torch cutting machine, Deburrer, Marking machine, Technological control system & process models, Black Refractories, strand gunde segment, tundish, ladle cover, roller tables & auxiliaries, mould& segment maintenance equipments, tundish maintenance equipments, EMBR system	50%

12.	Flatproduct mills	Large castings and forgings like mill housing, bed plates, work rolls, backup rolls, end spindles; roller tables, backup roll and work roll chucks, callers / tension reels / uncoilers, AGC cylinders, shears, levelers, lazes welders, packaging machines, non-contact gauges / profile gauges. anti-friction roll neck bearings, oil film bearings, gear boxes, mill motors	50%
13.	Long product mills	Mill housing, bed plates, work rolls, backup rolls, spindles; roller tables, coders / tension reels / uncoilers, shears, billet welder, packaging machines, non-contact gauges / profile gauges, anti-friction roll neck bearings, oil film bearings, finishing blocks, gear boxes, mill motors	50%

**13.Ministry of Mines (Notification dated 29.05.2019)**

<b>Sl. No.</b>	<b><u>Description of items</u></b>
1.	Aluminium Metal

**Notification for following Nodal Ministry/Department are yet to be notified :**

14.	Department of Fertilizers	Yet to be notified.
15.	Department of Science and Technology	Yet to be notified.
16.	Ministry of Civil Aviation	Yet to be notified.
17.	Department of Defence, Ministry of Defence	Yet to be notified.
18.	Ministry of Textiles	Yet to be notified.
19.	Ministry of Petroleum and Natural Gas	Yet to be notified.
20.	Department of Telecommunications	Yet to be notified.

**Total Number of items Notified across Ministry/Department as on 22.03.2022 : 842**