

S.N.	Main Group	Sub Group	Code
		Auto Greasing	9
		Tamping Unit Sliding	10
		Lifting Unit Spares	11
7	Bearings	Ball Bearing	01
		Cylindrical Roller Bearings	02
		Spherical Roller Bearings	03
		Taper Roller Bearings	04
		Axial Thrust Bearings	05
		Rocker Bearings	06
		Pivot Bearings	07
		PG Bush	08
		Special Bearings	09
8	General Machine items, Hardware and Consumables	Allen Bolts	01
		Hexagonal Head Bolts	02
		Washers	03
		Split Pins	04
		CSK & Special Bolts	05
		Grub Screw, Machine Screw & Nuts	06
		All Tamper General except HOTSTAB	07
		BCM General	08
		FRM General	09
		BRM General	10
		PQRS General	11
		TRT General	12
		T-28 General	13
		DGS General	14
		UTV & RBMV General	15
		RGM General Component	16
		Other Miscellaneous items	17
		Consumables/Paints	18
		Belts	19
		VPR General Items	20
		HOTSTAB General Items	21
		HOBCM General Items	22
		MDU General Items	23
9	Rubber Items	Engine Mounting Pad	01
		Cabin & Other Mountings	02
		Conveyor Belts	03

S.N.	Main Group	Sub Group	Code
		Couplings	04
		Other Rubber Items	05
		Brooms	06
		Tamping Unit Seals	07

3.5. Category of spares: SPN are being allotted as explained below as example for SPN 10100011015:

SPN	1	01	0001	1	01	5
	Engine	Cummins Spare	Serial no. of Spare	PAC Item	Indian Railways	Checksum for Sum of 10 digits

Components of all types of track machines used over Indian railways have been discussed on the basis of criticality and functional requirement including existing procedure of procurement being followed by both CPOH and zonal railways. The Category of spares along with SPN is to be uploaded in TMS. As of now 178 categories have been identified for Indian Railway as under:

Category.	SPN	Main Group	Sub Group	PAC/Branded/Own Make	Remarks	No. of Items
1.	1.01.XXXX.1.01.Y	Engine & compressor	Cummins	PAC	All items of Cummins Engine except those for which reputed brands are available	429
2.	1.01.XXXX.2.01.Y	Engine & compressor	Cummins	Branded	Any other items of reputed brands used in lieu	00
3.	1.02.XXXX.1.01.Y	Engine & compressor	Deutz	PAC	All items of Deutz Engine except those for which reputed brands are available	996
4.	1.02.XXXX.2.01.Y	Engine & compressor	Deutz	Branded	Any other items of reputed brands used in lieu	00
5.	1.03.XXXX.1.01.Y	Engine & compressor	Greaves	PAC	All items of ,Greaves Engine except those for which reputed brands are available	103

6.	1.03.XXXX.2.01.Y	Engine & compressor	Greaves	Branded	Any other items of reputed brands used in lieu	00
7.	1.04.XXXX.1.01.Y	Engine & compressor	Kirloskar	PAC	All items of , Kirloskar Engine except those for which reputed brands are available	84
8.	1.04.XXXX.2.01.Y	Engine & compressor	Kirloskar	Branded	Any other items of reputed brands used in lieu	00
9.	1.05.XXXX.1.01.Y	Engine & compressor	SUN	PAC	All items of , SUN Engine except those for which reputed brands are available	118
10.	1.05.XXXX.2.01.Y	Engine & compressor	SUN	Branded	Any other items of reputed brands used in lieu	00
11.	1.06.XXXX.1.01.Y	Engine & compressor	Lombardini	PAC	All items of , Lombardini Engine except those for which reputed Brands are available	00
12.	1.06.XXXX.2.01.Y	Engine & compressor	Lombardini	Branded	Any other items of reputed brands used in lieu	00
13.	1.07.XXXX.1.01.Y	Engine & compressor	Mahindra	PAC	All items of , Mahindra Engine except those for which reputed brands are available	00
14.	1.07.XXXX.2.01.Y	Engine & compressor	Mahindra	Branded	Any other items of reputed brands used in lieu	00
15.	1.08.XXXX.1.01.Y	Engine compressor	Cater pillar	PAC	All items of Caterpillar Engine except those for which reputed brands are available	16
16.	1.08.XXXX.2.01.Y	Engine & compressor	Cater pillar	Branded	Any other items of reputed brands used in lieu	00
17.	1.09.XXXX.1.01.Y	Engine & compressor	Ashok Leyland	PAC	All items of Ashok Leyland Engine except those for which reputed brands are available	00
18.	1.09.XXXX.2.01.Y	Engine & compressor	Ashok Leyland	Branded	Any other items of reputed brands used in lieu	00
19.	2.01.XXXX.1.01.Y	Hydraulics	Hydraulic Pumps	PAC	Pumps for which no brand is identified till now	23
20.	2.01.XXXX.2.01.Y	Hydraulics	Hydraulic Pumps	Branded	Pumps which are identified for one to one replacement and used in lieu	89

21.	2.02.XXXX.1.01.Y	Hydraulics	Hydraulic Motor	PAC	Motors for which no brand is identified till now and used in lieu	11
22.	2.02.XXXX.2.01.Y	Hydraulics	Hydraulic Motor	Branded	Motors which are identified for one to one replacement and used in lieu	39
23.	2.03.XXXX.1.01.Y	Hydraulics	Hydraulic Valve	PAC	Valves for which no brand is identified till now	116
24.	2.03.XXXX.2.01.Y	Hydraulics	Hydraulic Valve	Branded	Valves which are identified for one to one replacement and used in lieu	63
25.	2.04.XXXX.1.01.Y	Hydraulics	Hydraulic Cylinders	PAC	BCM, FRM, Supporting cylinders, Tamping unit lifting lowering cylinder & Hook up/down cylinders of tampers	131
26.	2.04.XXXX.3.01.Y	Hydraulics	Hydraulic Cylinders	OWN	All Other than above Cylinders	6
27.	2.05.XXXX.2.01.Y	Hydraulics	Critical Hydraulic Hose	Branded	Super high pressure hoses (GH506/4SH)	2
28.	2.06.XXXX.2.01.Y	Hydraulics	Hydraulic Hose	Branded	All other pressure & return hydraulic hoses	24
29.	2.07.XXXX.1.01.Y	Hydraulics	Hydraulic cooler and accumulators	PAC	Hydraulic coolers and accumulators for which no brand is identified till now	3
30.	2.07.XXXX.2.01.Y	Hydraulics	Hydraulic cooler and accumulators	Branded	Hydraulic coolers and accumulators which are identified for one to one replacement and used in lieu	7
31.	2.08.XXXX.1.01.Y	Hydraulics	Hydraulic Filters	PAC	All hydraulic filters for which no brand is identified till now	104
32.	2.09.XXXX.1.01.Y	Hydraulics	Hydraulic Seals	PAC	Radial seals and Seals of cylinders which are being procured through OEM	83
33.	2.09.XXXX.2.01.Y	Hydraulics	Hydraulic Seals	Branded	Seals for other hydraulic cylinders	33
34.	2.10.XXXX.2.01.Y	Hydraulics	Hydraulic adopter	Branded	All end connections	105
35.	2.10.XXXX.1.01.Y	Hydraulics	Hydraulic adopter	PAC	All end connections	1

36.	2.11.XXXX.1.01.Y	Hydraulics	Hydraulic gauges	PAC	Hydraulic gauges which are not identified for one to one replacement and used in lieu	12
37.	2.11.XXXX.2.01.Y	Hydraulics	Hydraulic gauges	Branded	Hydraulic gauges which are identified for one to one replacement and used in lieu	11
38.	3.01.XXXX.1.01.Y	Pneumatic	Pneumatic Valves	PAC	All Critical valves for which no brand is identified till now	67
39.	3.01.XXXX.2.01.Y	Pneumatic	Pneumatic Valves	Branded	Hydraulic coolers and accumulators which are identified for one to one replacement and used in lieu	28
40.	3.02.XXXX.1.01.Y	Pneumatic	Pneumatic Brake System	PAC	All brake circuit components being safety item	51
41.	3.03.XXXX.1.01.Y	Pneumatic	Pneumatic Cylinders	PAC	Pneumatic Cylinders for which no brand is identified till now	27
42.	3.03.XXXX.2.01.Y	Pneumatic	Pneumatic Cylinders	Branded	Pneumatic Cylinders which are identified for one to one replacement and used in lieu	40
43.	3.04.XXXX.2.01.Y	Pneumatic	Pneumatic Hose	Branded	Reputed brand as per IS specs.	5
44.	3.05.XXXX.2.01.Y	Pneumatic	Pneumatic Adapters	Branded	All end connections in Pneumatic circuit	0
45.	3.06.XXXX.1.01.Y	Pneumatic	Pneumatic Others	PAC	Pneumatic items for which no brand is identified till now	25
46.	3.06.XXXX.2.01.Y	Pneumatic	Pneumatic Others	Branded	Pneumatic items which are identified for one to one replacement and used in lieu	2
47.	3.06.XXXX.3.01.Y	Pneumatic	Pneumatic Others	Own	Own make items for which only drawing or samples are available.	0
48.	3.07.XXXX.1.01.Y	Pneumatic	Pneumatic Seals	PAC	Seals of cylinders which are under OEM list including Brake Cylinder.	12
49.	3.07.XXXX.2.01.Y	Pneumatic	Pneumatic Seals	Branded	Seals of cylinders which are under branded category.	12
50.	4.01.XXXX.1.01.Y	Electrical & Electronics	PCB, Power Supply & Transformer	PAC	All PCBs	312

51.	4.02.XXXX.1.01.Y	Electrical & Electronics	Relay, IC, Transistor, Capacitor, Diode, Coil & Rectifier	PAC	Due to functional requirement	207
52.	4.02.XXXX.2.01.Y	Electrical & Electronics	Relay, IC, Transistor, Capacitor, Diode, Coil & Rectifier	Branded	Items which are manufactured by reputed makes and identified for one to one replacement	2
53.	4.03.XXXX.1.01.Y	Electrical & Electronics	Switch & Contact Element	PAC	Switch & Contact for which no brand is identified till now	148
54.	4.03.XXXX.2.01.Y	Electrical & Electronics	Switch & Contact Element	Branded	Switch & Contact which are identified for one to one replacement and used	22
55.	4.04.XXXX.1.01.Y	Electrical & Electronics	Gauges, Sensors, LED, Encoder & Indicators	PAC	Items for which no brand is identified till now	161
56.	4.04.XXXX.2.01.Y	Electrical & Electronics	Gauges, Sensors, LED, Encoder & Indicators	Branded	Items which are identified for one to one replacement and used in lieu	07
57.	4.05.XXXX.1.01.Y	Electrical & Electronics	Transducer, Potentiometer & Resistance	PAC	Being critical on accuracy and functional point of view	232
58.	4.05.XXXX.2.01.Y	Electrical & Electronics	Transducer, Potentiometer & Resistance	Branded	Items which are manufactured by reputed makes and identified for one to one replacement	09
59.	4.06.XXXX.1.01.Y	Electrical & Electronics	Pendulum	PAC	All types of pendulums and their components	10
60.	4.06.XXXX.2.01.Y	Electrical & Electronics	Pendulum	Branded	Pendulum items which are manufactured by reputed makes and identified for one to one replacement	01
61.	4.07.XXXX.1.01.Y	Electrical & Electronics	Electricals Cables	PAC	Electricals Cables for which no brand is identified till now	24
62.	4.07.XXXX.2.01.Y	Electrical & Electronics	Electricals Cables	Branded	Electricals Cables which are identified for one to one replacement and used in lieu	44

63.	4.08.XXXX.1.01.Y	Electrical & Electronics	Circuit Breakers, Fuses, Coupler, Socket, Chord Wire, Angle Gear & Others	PAC	Items for which no brand is identified till now	137
64.	4.08.XXXX.2.01.Y	Electrical & Electronics	Circuit Breakers, Fuses, Coupler, Socket, Chord Wire, Angle Gear & Others	Branded	Items which are identified for one to one replacement and used in lieu	18
65.	4.09.XXXX.1.01.Y	Electrical & Electronics	Fans, All Lights, Battery, Self-Starter, Alternator & Motor	PAC	Items for which no brand is identified till now	35
66.	4.09.XXXX.2.01.Y	Electrical & Electronics	Fans, All Lights, Battery, Self-Starter, Alternator & Motor	Branded	Items identified for one to one replacement under reputed make and used in lieu	22
67.	4.10.XXXX.1.01.Y	Electrical & Electronics	ALC, Panel, CWS,CMS, DAR & DRP	PAC	All items of ALC, Panel, CWS,CMS, DAR & DRP	15
68.	5.01.XXXX.1.01.Y	Gear Box & Axles	ZF gear Box	PAC	All items of ZF Gear Box	239
69.	5.02.XXXX.1.01.Y	Gear Box & Axles	Gear Box Housing	PAC	Housings of Gear Box for which no drawing and specification available	2
70.	5.02.XXXX.3.01.Y	Gear Box & Axles	Gear Box Housing	Own	Housings of Gear Box for which drawing and specification available	1
71.	5.03.XXXX.1.01.Y	Gear Box & Axles	Gears & Shafts	PAC	Gears & Shafts of Gear Boxes for which no drawing and specification available	39

72.	5.03.XXXX.3.01.Y	Gear Box & Axles	Gears & Shafts	Own	Gears & Shafts of Gear Boxes for which drawing and specification available	05
73.	5.04.XXXX.1.01.Y	Gear Box & Axles	Flanges/Couplings	PAC	All couplings	12
74.	5.04.XXXX.3.01.Y	Gear Box & Axles	Flanges/Couplings	Own	All flanges	16
75.	5.05.XXXX.1.01.Y	Gear Box & Axles	Cardon Shaft	PAC	All Cardon Shafts	47
76.	5.06.XXXX.1.01.Y	Gear Box & Axles	Pin, Bushes and Others	PAC	Items which are functionally critical	11
77.	5.06.XXXX.3.01.Y	Gear Box & Axles	Pin, Bushes and Others	Own	Pin, Bushes and Other Gears components for which drawing and specification available	18
78.	5.07.XXXX.1.01.Y	Gear Box & Axles	Axles	PAC	All Axles	9
79.	5.07.XXXX.3.01.Y	Gear Box & Axles	Axles	OWN	All Axles for which drawings & specifications are available	03
80.	5.08.XXXX.1.01.Y	Gear Box & Axles	Wheel	PAC	Wheel for BCM/FRM and for which drawings & specifications are not available.	3
81.	5.08.XXXX.3.01.Y	Gear Box & Axles	Wheel	Own	All wheels for which drawings & specifications are available	1
82.	5.09.XXXX.1.01.Y	Gear Box & Axles	Bogie & Housing	PAC	Items for which drawing and specification not available	22
83.	5.09.XXXX.2.01.Y	Gear Box & Axles	Bogie & Housing	Branded	Items identified for one to one replacement under	3
84.	5.09.XXXX.3.01.Y	Gear Box & Axles	Bogie & Housing	Own	Items for which drawings or samples available	5
85.	5.10.XXXX.1.01.Y	Gear Box & Axles	Mechanical Brake assembly & Torque plate	PAC	Being safety item	16
86.	5.10.XXXX.3.01.Y	Gear Box & Axles	Mechanical Brake assembly & Torque plate	OWN	Items for which drawings or samples available	03