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TM/HM/UNIMAT/Pt-IV

Date: .01.2021

I- मुख्य अभियन्ता (ट्रैक मशीन) सभी क्षेत्रिय रेलवे

Chief Engineer (Track Machines) All Zonal Railways

II- मुख्य कार्यशाला प्रबन्धक (ट्रैक मशीन)

Chief Workshop Manager (Track Machines)

सी.पी.ओ.एच. कार्यशाला इलाहाबाद, रायनापाडु, कचरापारा, अहमदाबाद,

CPOH WPRKSHOP, Allahabad, Rayanapadu, Kachrapara, Ahmedabad

III- प्रधानाचार्य भा.रे.रे.प.म.प्र.के. पीपल गांव इलाहाबाद-211011

Principal, IRTMTC, Pipal Gaon,, Allahabad-211011

Detailed addresses are enclosed herewith.

विषय: Ballast Regulating Machine (SPZ-350) की क्रिटिकल स्पेयर्स पार्ट सूची

Sub: Critical Spares Parts List for Ballast Regulating Machine (SPZ-350)

Ballast Regulating Machine (SPZ-350) की क्रिटिकल स्पेयर्स पार्ट सूची का मसौदा पत्र सं टीएम/एचएम/बी.आर.एम/पार्ट.IV दि 17.11.2020 द्वारा 30 दिनों के लिये जारी किया गया था, और अंतिम क्रिटिकल स्पेयर्स पार्ट सूची पत्र सं टीएम/एचएम/बी.आर.एम/पार्ट.IV दि 04.01.2021 द्वारा 15 दिनों के लिये जारी किया गया था परन्तु क्षेत्रिय रेलवे से कोई टिप्पणी प्राप्त नहीं हुई अब क्रिटिकल स्पेयर्स पार्ट सूची को अंतिम रूप में तैयार किया गया है। जिसकी प्रति, आपके सूचनार्थ तथा मशीन के कर्मचारियों जो फील्ड में काम कर रहे हैं के मार्गदर्शन हेतु संलग्न है। यद्यपि उपरोक्त सूची बनाते समय सभी सावधानियाँ बरती गई हैं फिर भी यदि कोई त्रुटि हो तो कृपया अपने सुझावों/ टिप्पणियों को सुधार हेतु ई-मेल/फैक्स / पत्राचार द्वारा अद्योहस्ताक्षरी को भेजे।

Draft Critical Spares Parts List for Ballast Regulating Machine (SPZ-350) has been circulated vide letter no.TM/HM/BRM pt.IV dt.17-11-2020 for 30 days and provisional Critical Spares Parts List circulated vide letter no.TM/HM/BRM pt.IV dt.04-01-2021 for 15 days respectively, but no comments received from Zonal Railways. Now Critical Spares Parts List has been finalised.

A copy of the same is enclosed herewith for your information and guidance of the machine staff working in the field. However, every care has been taken during preparation of the above said list, the discrepancy noticed, if any, may be brought to the knowledge of the undersigned for further improvement by email/fax/post.

Email address: hmtmmrds@gmail.com

DA: As above

OM

PRAKASH

2021.02.04

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(Om Prakash)

निदेशक रेलपथ मशीन-III

Director Track Machine-III

I- मुख्य अभियन्ता (ट्रैक मशीन)

- 1.0 मध्य रेलवे, सीएसटी, मुम्बई-400 001
- 2.0 फेयरली प्लेस, पूर्व रेलवे, कोलकाता-700 001
- 3.0 बड़ौदा हाउस, उत्तर रेलवे, नयी दिल्ली-110 001
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- 7.0 रेल निलयम्, दक्षिण मध्य रेलवे, सिकन्दराबाद-500 371
- 8.0 गार्डन रीच, दक्षिणपूर्व रेलवे, कोलकाता-700 043
- 9.0 चर्चगेट, पश्चिम रेलवे, मुम्बई-400 020
- 10.0 उत्तर पश्चिम रेलवे, जयपुर-302 001
- 11.0 पूर्व मध्य रेलवे, हाजीपुर-844 101
- 12.0 दक्षिण पश्चिम रेलवे, हुबली-580 023
- 13.0 उत्तर मध्य रेलवे, इलाहाबाद-211 015
- 14.0 पूर्व तट रेलवे, भुवनेश्वर-751 001
- 15.0 पश्चिम मध्य रेलवे, जबलपुर-482 001
- 16.0 दक्षिण पूर्व मध्य रेलवे, बिलासपुर-495 004

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- 4.0 मुख्य अभियन्ता सी.पी.ओ.एच. पश्चिम रेलवे मंडल रेल प्रबंधक कार्यालय चामुंडा माता मंदिर के पास नरोड़ा रोड पोस्ट.सैजपुर बोधा अहमदाबाद-382345

III- प्रधानाचार्य भा.रे.रे.प.म.प्र.के. पीपल गांव इलाहाबाद-211011

Chief Engineer (Track Machines)

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Critical Spares of Ballast Regulating Machine



January-2021

RESEARCH DESIGNS AND STANDARDS ORGANISATION

Manak Nagar, Lucknow-226011

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SITE - At machine

STMD - Satellite depot

ZTMD - Zonal depot

379159/2021/O/o PED/TMM/RDSO

BRM- GMAC, Model-SPZ-350

ENGINE

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
1.0 .Engine Model no- QSNT-C360 Air Cooled							
1.1	Alternator BOSCH Make	-----	1	2	0	0	1
1.2	Engine Oil Filter	LF1253	1	0.5	2	1	2
1.3	Engine Fuel Fine Filter	FF1403	1	0.3	2	1	2
1.4	Engine Filter Out Core	P781098	1	0.3	2	1	2
1.5	Engine Filter Inner Core	P781102	1	0.3	2	1	2
1.6	Air Filter	EF3-40	1	0.3	2	1	2
1.7	Oil Water Separator	IR-0771	1	0.5	1	0	1
1.8	Automatic Water Drainage Filter	GE790005	1	0.3	2	1	2
1.9	Lube Oil Bypass Filter	SPZ270A0-23-03-00.38	1	0.5	1	0	1
1.10	Overcharge Air Reservior	DT07280-00.6	1	0.5	1	0	1
1.11	Temperature Sensor	SPZ270A0-23-03-00.64	1	0.5	1	0	1
1.12	Plate Type Oil Level Meter	SPZ270A0-23-03-00.67	1	1	0	0	1
1.13	Liquid Level Meter	A0640007	1	0.5	1	0	1
1.14	Radiator	SPZ270A0-23-01-00	1	6	1	1	2

*MINIMUM QUANTITY 1

BRM-SRIDA

HYDRAULIC

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
2.1	Pump						
2.1.1	Oil pump Hydraulic System	SPZ270A0-23-02-00	1	6	0	0	0.2 [*]
2.1.2	Hand oil pump Hydraulic System	SPZ270A0-23-05-00	1	6	0	0	0.2 [*]
2.1.3	Variable Piston Pump	SPZ270A0-23-02-00.2	1	6	0	0	0.2 [*]
2.1.4	Charge Pump Amplifier I	SPZ270A0-13-18-00.47	1	6	0	0	0.2 [*]
2.1.5	Charge Pump Amplifier II	SPZ270A0-13-18-00.48	1	6	0	0	0.2 [*]
2.1.6	90 series Axial Variable Piston Pump	SPZ270A0-23-02-00.190	1	6	0	0	0.2 [*]
2.1.7	Dual Gear Pump	SPZ270A0-23-02-00.18	1	6	0	0	0.2 [*]
2.1.8	Triple Gear Pump	SPZ270A0-23-02-00.19	1	6	0	0	0.2 [*]
2.1.9	Single Gear Pump	SPZ270A0-23-02-00.17	1	6	0	0	0.2 [*]
2.1.10	Single Gear Pump	SPZ270A0-23-02-00.16	1	6	0	0	0.2 [*]
2.2	Motor						
2.2.1	Cycloid Motor	SPZ270A0-23-00.1	2	6	0	0	0.3 [*]
2.2.2	Motor	SPZ270A0-23-00.3	4	6	0	0	0.3 [*]
2.2.3	Lateral Conveyer Motor	SPZ270A0-23-00.4	1	6	0	0	0.6 [*]
2.2.4	Decline Conveyer Motor	SPZ270A0-23-00.5	1	6	0	0	0.6 [*]
2.2.5	Hopper Conveyer Motor	SPZ270A0-23-00.2	2	6	0	0	0.3 [*]
2.2.6	Lateral Conveyer Motor	SPZ270A0-23-00.	1	6	0	0	0.2 [*]

*MINIMUM QUANTITY 1

BRM-SRIDA

HYDRAULIC

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
2.3 Hydraulic Cylinder							
2.3.1	Slide sleeve telescopic cylinder	SPZ400A0-79-20	1	6	0	0	0.2*
2.3.2	Oil cylinder for Central Plough	SPZ400A0-78-20	4	6	0	0	0.3*
2.3.3	Oil cylinder for Central Plough	HSGL01-90/50E-2611-	4	6	0	0	0.3*
2.3.4	Oil Cylinder for Ballast Distribution Device	HSGK01-90-50E-2611-	2	6	0	0	0.3*
2.3.5	Oil cylinder for Central Plough	HSGL01-63/35E-2801-	4	6	0	0	0.3*
2.3.6	Oil Cylinder for Track Sweeping Device	SPZ270A0-80-00.14	1	6	0	0	0.2*
2.3.7	Rotation cylinder	SPZ400A0-79-17	2	6	0	0	0.3*
2.4 Filter							
2.4.1	Return Oil Filter	SPZ270A0-23-03-00.38	4	0.6	2	2	2
2.4.2	Oil Suction Filter	SPZ270A0-23-03-00.66	4	0.6	2	2	2
2.4.3	Oil Suction Filter	DT2379	4	0.6	2	2	2
2.4.4	Auto water drainage filter	SPZ270A0-07-00.64	1	0.6	2	2	2
2.4.5	H.P. Filter for Lateral Plough	SPZ270A0-23-35-00	1	0.6	1	1	1
2.4.6	H.P. Filter for Lateral Plough	SPZ400A0-23-09-00	1	0.6	1	1	1
2.4.7	H.P. Filter for Lateral Plough	SPZ400A0-23-33-00	2	0.6	2	2	2
2.4.8	Port Flange of Oil Suction Filter	1SPZ270A0-23-03-00.65	4	0.6	1	1	1
2.5 Valve							
2.5.1	Solenoid Overflow Valve	SPZ270A0-23-11-00	1	6	0	0	0.2*
2.5.2	Flushing Cooling Valves	SPZ270A0-23-14-00	1	6	0	0	0.2*

BRM-SRIDA

HYDRAULIC

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
2.5.3	Hopper 5-way Valves	SPZ270A0-23-26-00	1	6	0	0	0.2*
2.5.4	Conveyer Control Valves	SPZ400A0-23-18-00	1	6	0	0	0.2*
2.5.5	Lateral Plough 5-way Valves	SPZ400A0-23-20-00	1	6	0	0	0.2*
2.5.6	Flange Plate Valves of Central Plough	SPZ400A0-23-21-00	1	6	0	0	0.2*
2.5.7	Valves of Central Plough I	SPZ400A0-23-23-00	1	6	0	0	0.2*
2.5.8	Valves of Central Plough II	SPZ400A0-23-34-00	1	6	0	0	0.2*
2.5.9	-P, 3-W Solenoid Valve el	SPZ270A0-07-00.182	1	6	0	0	0.2*
2.5.10	Pressure relief Valve	SPZ270A0-07-00.21	1	6	0	0	0.2*
2.5.11	Distribution Valve	SPZ270A0-07-04-00.7	2	6	0	0	0.3*
2.5.12	Action Valve	SPZ270A0-07-05-00.6	2	6	0	0	0.3*
2.5.13	Shuttle Valve	SPZ270A0-07-00.67	1	6	0	0	0.2*
2.6 Hoses							
2.6.1	Stainless Metal Hose Pipe	SPZ270A0-07-00.7	1	6	20m	0	-----
2.6.2	Intercooling Inlet Pipes	SPZ270A0-18-05-00	1	6	20m	0	-----
2.6.3	Intercooling Outlet hose	SPZ270A0-18-06-00	1	6	20m	0	-----
2.6.4	Water Drainage hose	SPZ270A0-18-07-00	1	6	20m	0	-----
2.6.5	Water Inlet hose	SPZ270A0-18-08-00	1	6	20m	0	-----
2.6.6	Welded Pipe Connector	JB ZQ4783 (M16x1.5)	1	6	20m	0	-----
2.7 Seal Kit							
2.7.1	Rotation Cylinder Upper Seal	SPZ400A0-79-01-00	2	1	1	2	1

BRM-SRIDA

HYDRAULIC

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
2.7.2	Slide Plate Suspension Seal	SPZ400A0-79-03-00	2	1	1	2	1
2.7.3	Oil Cylinder Seal	SPZ400A0-78-01-01	4	1	2	2	2
2.7.4	Hinge Axle Seal	SPZ400A0-78-01-10	4	1	2	2	2
2.7.5	Lock Seal for Mechanical Lock	SPZ400A0-78-02-04-00	2	1	1	2	1
2.7.6	Block Seal for Mechanical Lock	SPZ400A0-78-02-03-00	2	1	1	2	1
2.7.7	Installation Seal for Locking Device	SPZ400A0-78-05-02	2	1	1	2	1
2.7.8	Roller Seal for Rail Cover Positioning Roller	SPZ400A0-78-10-06-00	2	1	1	2	1
2.7.9	Oil Cylinder Support Seal	SPZ400A0-62-11-06	2	1	1	2	1
2.7.10	Upper Supporting Seal	SPZ400A0-62-11-07-00	2	1	1	2	1
2.7.11	Lower Supporting Seal	SPZ400A0-62-11-08-00	2	1	1	2	1
2.7.12	Upper Supporting Seal	SPZ400A0-62-11-10-00	2	1	1	2	1
2.7.13	Oil Return Filter Installation Seal	DT2353	2	1	1	2	1
2.7.14	Buffering Seal	SZ009-15-01-00.7	4	1	2	2	2
2.8	Others						
2.8.1	Separation Sleeve for Track Sweeping Device	SPZ400A0-80-07	2	6	2	0	4
2.8.2	Guiding Sleeve	SPZ270A0-67-00.23	2	6	2	0	4
2.8.3	Installation Sleeve	SPZ400A0-78-05-04-00	2	6	2	0	4

BRM-SRIDA

HYDRAULIC

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
2.8.4	Isolation sleeve	SPZ400A0-78-17	15	6	10	5	0
2.8.5	Accumulator 32L	SPZ270A0-23-03-00.37	1	3	1	0	0
2.8.6	Accumulator Bottom Seal	SPZ400A0-23-03-01-15-	1	3	1	0	0

*Minimum Quantity 1

BRM-SRIDA

MECHANICAL

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
3.1.1	Central PloughPlate	SPZ400A0-78-13-00	4	1	2	2	0
3.1.2	Wing plough plate	SPZ210K-78-07-00	1	1	1	0	0
3.1.3	Flange Plough Plate	SPZ400A0-78-11-00	1	1	1	0	0
3.1.4	Locking Plate	SSPZ400A0-78-01-14	1	1	1	0	0
3.2.1	Lock Nut (Left)	DT0674-02	10	6	1	1	0
3.2.2	Protection Nut M20	NutDT15126	10	6	1	1	0
3.2.3	Lock Nut (Right)	DT0674-03	10	6	1	1	0
3.2.4	Hexagon Nut M30x2	GB/T6173-2000	10	6	1	1	0
3.2.5	Adjusting Nut	SPZ400A0-80-05-02	10	6	1	1	0
3.2.6	Adjusting Nut (Right Rotation)	SPZ400A0-80-05-03-00	10	6	1	1	0
3.2.7	Hexagon Nut M30x2 (Left Rotation)	SPZ400A0-80-05-04	10	6	1	1	0
3.2.8	Hexagon Bolt M20*55	GB/T5783-2000	4	1	2	2	0
3.2.9	Hexagon Bolt M12x35	GB/T5783-2000	4	1	2	2	0
3.2.10	Hexagon Bolt M16x35	GB/T5783-2000	4	1	2	2	0
3.2.11	Brake Bolt	SPZ270A0-22-00.9	4	1	2	2	0

*Minimum Quantity 1

BRM-SRIDA

MECHANICAL

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
3.3 Washer							
3.3.1	Anti-dust Washer	SPZ400A0-78-15	8	1	2	2	4
3.3.2	Protection Washer	SPZ400A0-78-03	4	1	1	1	2
3.3.3	Anti-dust Washer	SPZ400A0-78-09-02	2	1	1	0	1
3.3.4	Anti-loose Washer	SPZ400A0-78-10-02	8	1	2	2	4
3.3.5	Flat washer	DT0610	50	1	25	25	0
3.3.6	Washer Ring	DT6201	4	1	1	1	2
3.3.7	Spring Washer	GB/T93-1987-	4	1	1	1	2
3.4 O Ring							
3.4.1	Block Ring for Central Plough	SPZ400A0-78-16	2	1	1	0	1
3.4.2	Suspension Ring for . Hand Brake	SPZ270A0-22-00.10	2	1	1	0	1
3.4.3	Felt Ring for Track Sweeping Device	SPZ400A0-80-00.18	2	1	0	0	1
3.4.4	Inner Block Ring for Decline Conveyer	SPZ400A0-80-04-14	2	1	0	0	1
3.4.5	Separation Ring for Decline Conveyer	SPZ400A0-80-04-16	2	1	0	0	1
3.5 Bearing and Seals							
3.5.1	Suspension Seal Track Sweeping Device	SPZ400A0-80-14-00	2	1	0	0	1
3.5.2	Elastic Side Bearing for Bogie Ass.	SZ005-02-03-00.1	1	1	0	0	0
3.5.3	S' Joint Bearing for Vertical Sweeping Device	SPZ270A0-67-00.18	2	1	0	0	1
3.5.4	Bearing Seal for Track Sweeping Device	SPZ400A0-80-08-00	2	1	0	0	1
3.5.5	Center Pin	SZ005-02-05-00	1	1	0	0	0

BRM-SRIDA

MECHANICAL

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
3.6	Others		2	1	0	0	1
3.6.1	High Tensile Rubber	SPZ400A0-80-11-00.6	1	1	0	0	0
3.6.2	Guiding Block Roller	SPZ400A0-80-11-01-0	4	1	1	1	2
3.6.3	Welded Small Chain	SPZ400A0-80-13-	2	1	1	1	0
3.6.4	Safety Chain Φ 4-400	SPZ400A0-78-02-00.5	2	1	1	1	0
3.6.5	Lock Pin	DT15124	2	1	0	0	1
3.6.6	Lock Plate	SPZ400A0-78-02-07	16	1	8	8	0
3.6.7	Fixture Plate	WS01-01-02	2	1	1	0	0
3.6.8	Iron Wire meter	SPZ400A0-78-02-00.4	1	1	0	0	0
3.6.9	Pin Axle for Rail Cover Roller	SPZ400A0-78-10-07	4	1	2	2	2
3.6.10	Safety Chain	SPZ400A0-80-01-	1	6	20m	0	0
3.6.11	Strengthened rubber conveyer belt	GB/T7984 5050 500	2	1	1	0	1
3.6.12	Lateral plough wear plate	SPZ400A0-79-18	1	6	0	0	0.2*
3.6.13	Flange plough wear plate	SPZ400A0-79-07	1	6	0	0	0.2*
3.6.14	Flange plough wear plate (II)	SPZ400A0-79-08	1	6	0	0	0.2*
3.6.15	Stopper Hook	SPZ400A0-79-19-00	1	6	0	0	0.2*
3.6.16	Close plate	SPZ270A0-79-01	1	6	0	0	0.2*

*MINIMUM QUANTITY 1

BRM-SRIDA**ELECTRICAL / ELECTRONICS**

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
4.1	Twin Button	SPZ270A0-13-04-00.1	14	6	2	2	03
4.2	Working Light	SPZ270A0-13-08-00.	15	6	2	2	03
4.3	15A 3 Round Hole Socket	SPZ270A0-13-22-00.8	8	6	2	2	02
4.4	Twin Combined Front Lamp	SPZ270A0-13-02-00.2	4	6	0	0	0.3*
4.5	Socket	SPZ270A0-13-22-00.1	2	6	0	0	0.3*
4.6	Red Alarming Light	SPZ350K-13(I)-15-00	4	6	0	0	0.3*
4.7	Head Light	DT13261-00.1	2	6	0	0	0.3*
4.8	Wiper Motor	SPZ270A0-13-11-00.4	2	6	0	0	0.3*
4.9	Electric Fan	DT1319-00.4					
4.10	Roof Light	DT13381 (I)-00.2	2	6	0	0	0.3*
4.11	Wiper Motor	SPZ350B-13 (I)-13-					
4.12	Power Source Main Switch	SPZ270A0-13-07-00.3	4	6	0	0	0.3*
4.13	Roof Light	SPZ270A0-13-14-00.6	2	6	0	0	0.3*
4.14	Speed Sensor	SPZ270A0-13-00.31	2	6	0	0	0.3*
4.15	Oil Level Transducer	DT1324-00.1					
4.16	Proximity Switch	SPZ350K-13(I)-10-00	15	6	2	0	03
4.17	Alarming Light	YD432D-13-43-00.4	2	6	0	0	0.3*
4.18	Universal Changeover Switch	SPZ270A0-13-18-00.1	2	6	0	0	0.3*
4.19	Port Switchboard	SPZ270A0-13-18-	1	6	0	0	0.2*
4.20	Voltage Regulated Power Source	SPZ270A0-13-18-00.38	1	6	0	0	0.2*

BRM-SRIDA

ELECTRICAL / ELECTRONICS

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
4.21	Electrical Quantities Transducer	SPZ270A0-13-18-00.26	1	6	0	0	0.2*
4.22	Elec-magnetic Power Switch	SPZ270A0-13-18-00.4	1	6	0	0	0.2*
4.23	Start-up Relay	SPZ270A0-13-18-00.25	1	6	0	0	0.2*
4.24	Transmission Box Controller	SPZ270A0-13-18-00.2	1	6	0	0	0.2*
4.25	Wire Distribution Terminal	SPZ270A0-13-18-00.24	1	6	0	0	0.2*
4.26	Intermediate Relay	SPZ270A0-13-18-00.	1	6	0	0	0.2*
4.27	Connection Terminal	SPZ270A0-13-18-00.28	1	6	0	0	0.2*
4.28	Grounding Terminal	SPZ270A0-13-18-00.34	1	6	0	0	0.2*
4.29	Oil Level Switch Welding Plate	SPZ400A0-23-03-01-16	1	3	1	0	0
4.30	Power Source Main Switch for Lighting	SPZ270A0-13-07-00.3	2	6	1	0	0.3*
4.31	Electric Emergency Pump	SPZ270A0-23-38-00	1	6	0	0	0.2*

*Minimum Quantity 1

BRM-SRIDA

PNEUMATIC

S. No	Brief description	Part no.	Nos per M/C	Estt. life cycle in Yrs.	Requirement / Mc/year		
					SITE	STMD	ZTMD
5.1	Brake Bolt	SPZ270A0-22-00.9	1	6	0	0	0.2*
5.2	Brake Valves	SPZ270A0-23-07-0	1	6	0	0	0.2*
5.3	JZ-7G Brake Valve	SPZ270A0-07-03-0	1	6	0	0	0.2*
5.4	Suspension Ring	SPZ270A0-22-00	2	6	0	0	0.3*
5.5	Pneumatic Lock Upper Seal	SPZ400A0-78-19-0	1	6	0	0	0.2*
5.6	Pneumatic Lock Upper Seal	SPZ400A0-78-19-	2	1	1	0	1
5.7	Oil Cup	GB / T1152 M10x1	1	6	0	0	0.2*
5.8	Air Cylinder	SPZ400A0-78-19	1	6	0	0	0.2*
5.9	Air cylinder for mounting A seat	SPZ350B-67-05-00	2	6	0	0	0.3*
5.10	Air Cylinder for Pneumatic Lock	SPZ400A0-78-19-0	2	6	0	0	0.3*
5.11	Air cylinder for Pneumatic Lock	SPZ270A0-67-00.	2	6	0	0	0.3*
5.12	Pipe Filter for Air Brake	SPZ270A0-07-00.	4	0.6	2	2	2
5.13	Dust Filter Check Valve	SPZ270A0-07-00.	1	0.6	1	1	1
5.14	Air filter inlet	SPZ270A0-18-03-	1	0.6	1	1	1
5.15	Emergency Relief Air valve	SPZ400A0-07-11-0	1	6	0	0	0.2*
5.16	Pneumatic lock device	SPZ400A0-79-09-0	1	6	0	0	0.2*
5.17	Water Drainage Pipes for Power System	SPZ270A0-18-07-0	1	6	0	0	0.2*
5.18	Water Inlet Pipes for Power System	SPZ270A0-18-08-0	1	6	0	0	0.2*
5.19	Lock Pin for Pneumatic Lock Device	DT15124	2	6	2	0	4
5.20	Lock Pin for Pneumatic Lock Device	PSPZ400A0-78-19	15	6	2	1	0

*Minimum Quantity 1

Note:- Any other items which the Zonal Railways decide as per condition and safe operation of the machine shall be kept on the machine.

ACKNOWLEDGEMENT

Following officer and staffs have made their valuable contributions in finalization of the Critical Spare Parts list for Ballast Regulating Machine (SRIDA).

Railways**RDSO:-**

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|----|------|-----------------|---------|
| 1. | Shri | Muslim Ahmad | ARE/TM |
| 2. | Shri | A.N. Srivastava | SSRE/TM |
| 3. | Shri | A.K. Srivastava | SRE/TM |