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TM/HM/TRT/Pt-III

Date: 19-11-2020

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II-	मुख्य कार्यशाला प्रबन्धक (ट्रैक मशीन) सी.पी.ओ.एच. कार्यशाला इलाहाबाद, रायनापाडु, कचरापारा, अहमदाबाद,	Chief Workshop Manager (Track Machines) CPOH WORKSHOP, Allahabad, Rayanapadu, Kachrapara, Ahmedabad
III-	प्रधानाचार्य भारेरे.प.म.प्र.के. पीपल गांव इलाहाबाद-211011	Principal, IRTMTC, Pipal Gaon, Allahabad-211011
	Detailed addresses are enclosed herewith.	

विषय: ट्रैक रिलेइंग ट्रेन (टी०आर०टी०) मशीन की क्रिटिकल स्पेर्स पार्ट सूची (संशोधन-1)

Sub : Critical Spares Parts list for Track Relaying Train (TRT) Revision-1

ट्रैक रिलेइंग ट्रेन (टी०आर०टी०) की क्रिटिकल स्पेर्स पार्ट का (संशोधन-1) अनन्तिम सूची तैयार कर टीएम/एच एम/टी०आर०टी०पार्ट-III द्वारा दि. 21.10.2020 को 15 दिन के लिये जारी किया गया था, परन्तु क्षेत्रिय रेलवे से अभी तक कोई टिप्पणी प्राप्त नहीं हुई है, अब उपरोक्त मशीन की सूची तैयार की गई है, जिसकी एक प्रति आपके सूचनार्थ सभी रेलवे को तथा मशीन के कर्मचारियों जो फिल्ड में कार्यरत हैं, के मार्गदर्शन हेतु सलंगन है। यद्यपि उपरोक्त संशोधन बनाते समय सभी सावधानियों बरती गई हैं, फिर भी यदि कोई त्रुटि हो तो कृपया अपने सुझावों/ टिप्पणियों को सुधार हेतु ईमेल /फैक्स/पत्राचार द्वारा अद्योहस्ताक्षरी को अवगत करायें।

Provisional of Critical Spares Parts list for Track Relaying Train (TRT) Revision-1 has been prepared and circulated vide letter no. TM/HM/TRT (Part-III) dated 21/10/2020 for 15 days, but no comments received from Zonal Railways. Now critical spares part list has been finalized. 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.

(E-mail: hmtmmrdso@gmail.com)

DA: As above

Signed by Om Prakash

Date: 24-11-2020 11:51:51

Reason: Approved

(ओमप्रकाश)

(Om Prakash)

निदेशक रेलपथ मशीन-III

Director Track Machine-III

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INDIAN RAILWAYS

CRITICAL SPARES PART LIST

FOR

TRACK RELAYING TRAIN – P811S

Revision-1

November-2020

PREFACE

For maintenance of any machine, timely availability of spare parts and consumables play an important role. To keep the machine in sound condition, first and foremost prerequisite is availability of spares and consumables. As there are thousands of items/spares which are required for maintenance of machine, it is very much required to identify critical spares which are vital and in turn, to ensure availability of such spares well within the scheduled time.

On the basis of experience of Track machine working on Indian Railways, a need for this list was felt. Accordingly, draft of revision -1 of critical spare parts for TRT(HRSCO) has been prepared. It may be noted that this is the list of spares required for the normal maintenance of machine for one year only and does not include the spares required for IOH, POH and other spl. Maintenance. Requirement for such schedule maintenance (IOH/POH) and emergency maintenance/attention may be assessed separately on need basis by zonal railways itself.

(Om Prakash)
Director Track Machine-III

November-2020

INDEX

SI No	Category	Page No.
1	ENGINE	1
2	HYDRAULICS	5 - 6
3	MECHANICAL	7- 11
4	ELECTRICAL	12- 13
5	PNEUMATIC	14
6	GENERAL	15 - 16
7	ACKNOWLEDGEMENT	17

SITE - At machine

STMD - Satellite depot

ZTMD - Zonal depot

271738/2020/O/o PED/TMM/RDSO

TRT

ENGINE

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
A. Main engine-CUMMIONS NTA 855 C							
1.	Self-starter (Delco Remy) 24 V DC	3021036	1	3	0	0	0.3*
2.	Alternator 24 V DC	G8394A-11a	1	3	0	0	0.3*
3.	Lube oil filter	3889310	1	0.3	2	0	2
4.	Lube oil bypass filter	3889311	1	0.3	2	0	2
5.	Air cleaner outer	0-3610087-0-01	1	1	1	0	1
6.	Air cleaner inner	0-3610087-0-02	1	1	1	0	1
7.	V-belt Gantry	3911560	3	1	2	0	1
8.	Ammeter	-VDO 80-0-80	1	5	0	0	0.2*
9.	Fuel Filter	3315847	2	0.2	5	0	5
10.	Alternator for Gantry	3120679/3916894	1	3	0	0	0.3*
11.	Lube oil bypass filter (Secondary)	3889311d) LF-777	1	0.2	3	0	2
12.	Element corrosion resister filter	3318319	2	1	0	0	2
13.	lube oil (for NTA 855+6BT-5- 9C)	15W40	65lts	0.2	210 lts	210 lts	210 lts
B. Gantry-ENGINE MODEL NO 6BT-5-9C(2 NOS)							
14.	Filter, fuel	5036752	1	0.25	2	0	2
15.	Fuel Filter (Primary)	1001091	1	0.2	3	0	2
16.	Fuel Filter (Secondary)	1001093	1	0.2	3	0	2
17.	Air Cleaner element outer	Z-7801155-002	1	1	1	0	1
18.	Air cleaner element Inner	Z-7801155-003	1	1	1	0	1
19.	House pipe (SLO BY PASS NT 855)	AS060720055	1	1	1	0	1
20.	Mobil filter	3937743	1	0.2	3	0	2
21.	Self starter	-	2	3	0	0	0.6*
22.	alternator	-	2	3	0	0	0.6*

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
PUMP							
1.	Hyd. Pump (V.D.) Surastr and Traction	DWG.NO.TY769018-005(0-3312006-0-040)	2	6	0	0	0.3*
2.	Hyd. Pump working (Double Pump)	0-3312006-0-037	2	6	0	0	0.3*
3.	Feed Pump	0-150.17.17	1	6	0	0	0.2*
4.	Hyd. Pump Drive	0-3524003-0-02	1	6	0	0	0.2*
5.	Hyd. Pump P ₁₄ Emergency Pump	0-3310001-0-00	1	6	0	0	0.2*
6.	Single Gear Pump	A-3448Y05	1	6	0	0	0.2*
7.	Variable Delivery pump	A-0846Y03	1	6	0	0	0.2*
8.	Single Pump	0-3311011-0-06	1	6	0	0	0.2*
9.	Piston Pump	D4346Y22	4	6	0	0	0.6*
10.	PVHTRHU Drive Pump	A6602Y02	2	6	0	0	0.3*
11.	Hyd. Double Pump	0-3312006-0-37	1	6	0	0	0.2*
12.	Pump drive assy. for (gantry)	0-3534005-0-10	1	6	0	0	0.2*
13.	Variable pump (gantry)	TY769018-012	1	6	0	0	0.2*
14.	Pump VAR. Vol. piston	5005833	1	6	0	0	0.2*
15.	Pump, Vickers 2520 series	5031130	1	6	0	0	0.2*
16.	Pump press comp	C5912Y01	1	6	0	0	0.2*
17.	Pump (P1,P2,P3)	0-3315003-0-01	1	6	0	0	0.2*
18.	Variable W/charge pump	TY769018-0-05	1	6	0	0	0.2*
MOTOR							
19.	Hyd. Motor for gentry	TY768773-005-02	2	6	0	0	0.3*
20.	Dynamic flow radial motor	0-3324001-0-01	1	6	0	0	0.2*
21.	Fixed displacement Hyd. Motor	0-3321014-0-03	1	6	0	0	0.2*
22.	Gear Motor cooling (Tyrone)	0-3321020-0-01	2	6	0	0	0.2*
23.	Disconnect Hyd. Drive motor (Vickers)	0-3321014-0-02	2	6	0	0	0.3*
24.	Vibration motor	0-1401198-0-01	1	6	0	0	0.2*
25.	Controller DC motor	B3555Y02	1	6	0	0	0.2*

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STM D	ZTMD
1.	Hydraulic motor 19 GPM	0-3321014-0-02	1	6	0	0	0.2*
2.	Fixed DISPL Hyd motor	0-3321014-0-05	1	6	0	0	0.2*
3.	Hyd. motor	0-3324001-0-01	1	6	0	0	0.2*
4.	Hyd. Motor	0-3321017-0-07	1	6	0	0	0.2*
5.	Hyd. Motor oil cooler	0-3321020-0-01	1	6	0	0	0.2*
CYLINDER							
1.	Hyd. Cyl. For dynamic flow rear Up/Dn	0-3371051-0-02	1	4	0	0	0.2*
2.	Hyd. Cyl. For centering	0-3371013-0-10	1	4	0	0	0.2*
3.	Hyd. Cyl. clamp no. 7 Up/Dn	0-3371013-0-13	1	4	0	0	0.2*
4.	Hyd. Cyl. assly clamp no./ 3 & 6 Up/Dn	B 51703XAA	1	4	0	0	0.2*
5.	Hyd. Cyl. Clamp no. 2 & 3 Up/Dn	B 5703 XAA	1	4	0	0	0.2*
6.	Hyd. Cyl. Clamp no. 4 In/Out	0-3371068-0-01	1	4	0	0	0.2*
7.	Hyd. Cyl. Clamp no. 2 In/Out	0-3371026-0-05	1	4	0	0	0.2*
8.	Hyd. Cyl. Clamp no. 3 & 7	A9382XAV	1	4	0	0	0.2*
9.	Hyd. Cyl. Clamp no. 4 & 6	A9369XAV	1	4	0	0	0.2*
10.	Hyd. Cyl. Assly clow	X7801322M	4	4	0	0	1
11.	Hyd. Cyl. Assly work grenp suspension Up/Dn	0-3371015-0-03	1	4	0	0	0.2*
12.	Hyd. Cyl. Balance beam offset	0-3371021-0-02	1	4	0	0	0.2*
13.	Hyd. Cyl. Dynamic flow up/Dn front	Drg. No. B2341XAA	1	4	0	0	0.2*
14.	OT pick up plate – form (Hyd. Cyl)	B 6450X01 ,B 6448X01	2	4	0	0	0.5*
15.	Hyd. Cyl. Rope / pully	0-3371032-0-02	4	4	0	0	1
16.	OT Pick up Frame Cylinder	0-3371013-0-16	1	4	0	0	0.2*
17.	Finger In/Out cylinder	0-3371011-0-02	2	4	0	0	0.5*
18.	Sted steering cylinder	0-3371026-0-13	1	4	0	0	0.2*
19.	Cyl repair kit	0-3391000-0-46	1	4	0	0	0.2*
20.	Air cyl 5" Bore	0-3470010-0-02	1	4	0	0	0.2*
21.	Hyd cylinder assy	B2341XAA	1	4	0	0	0.2*
22.	Ext Cylinder rework/ disc. (A468)	B2355YAA	1	4	0	0	0.2*

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STM D	ZTMD
23.	Master cyl.	Y753297-001	1	4	0	0	0.2*
24.	Hyd cyl for Pump	0-2201174-0-01	1	4	0	0	0.2*
25.	Hyd. Cylinder for OT-2 Plateform UPO/ On rear tusk	0-3371015-0-15	1	4	0	0	0.2*
	SEAL KIT						
1.	Seal kit	0-3329000-0-04	1	6	0	0	0.2*
2.	O-ring	0-3333030-0-01	1	6	0	0	0.2*
3.	Sel kit	0-3371001-0-01	1	6	0	0	0.2*
4.	Hyd. Seal kit	0-3371010-0-01	1	6	0	0	0.2*
5.	Seal kit	0-3371011-0-01	1	6	0	0	0.2*
6.	Seal kit	0-3371013-0-01	1	6	0	0	0.2*
7.	Seal kit	0-3371015-0-01	1	6	0	0	0.2*
8.	Seal kit for rope pulley	0-3371032-0-01	1	6	0	0	0.2*
9.	Seal kit (UCC-15)	0-3371036-0-01	1	6	0	0	0.2*
10.	Seal kit 412	0-3371037-0-01	1	6	0	0	0.2*
11.	Seal kit 4" cyl.	0-3379004-0-02	1	6	0	0	0.2*
12.	O-ring seal	5036961	1	6	0	0	0.2*
13.	Shaft seal	5036967	1	6	0	0	0.2*
14.	Oil seal	B5471P17	1	6	0	0	0.2*
15.	Seal kit	B5427YAE	1	6	0	0	0.2*
16.	Seal kit, 2 1/2" cyl.	B5428YAA	1	6	0	0	0.2*
17.	Seal kit assy.6"	B5432YAA	1	6	0	0	0.2*
18.	Seal kit or clip applicator PCA	H3293Y01	1	6	0	0	0.2*
19.	Piston rod Seal	0-3379002-0-01	1	6	0	0	0.2*
20.	Seal kit, 2" cyl.	A0689YAA	1	6	0	0	0.2*
21.	Seal kit L/o cylinder	A9422XAA	1	6	0	0	0.2*
22.	Direct drive shaft (RCO)	0-3521007-0-01	1	6	0	0	0.2*
23.	Drive shaft	0-1300291-0-01	1	6	0	0	0.2*
24.	Retaining ring rco	0-3013000-0-01	1	6	0	0	0.2*
25.	Retaining ring	0-3013000-0-04	1	6	0	0	0.2*

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
26.	Hyd. Cyl. Clamp no.4&5 in/out	0-3371063-0-01	1	6	0	0	0.2*
27.	Sealed beam 12V Travel	A2197Y03	1	6	0	0	0.2*
28.	Locking Tongue	Z687107	1	6	0	0	0.2*
29.	L/S Comp Kit	C5762Y02	1	6	0	0	0.2*
	VALVE						
1.	Direction Control valve	0-3333003-0-04	3	6	1	0	0.5*
2.	Direction Control valve	0-333003-0-08	3	6	1	0	0.5*
3.	Direction Control valve	0-3333010-0-05	2	6	1	0	0.3*
4.	Direction Control valve	0-3335-024-0-11	2	6	1	0	0.3*
5.	Valve assembly P811	5028049	1	6	0	0	0.2*
6.	Direction Control valve	0-3334017-0-03	2	6	1	0	0.3*
7.	Direction Control valve	0-33010-0-09,A1215/09	2	6	1	0	0.3*
8.	Direction Control valve	HY 10-RSH-A	2	6	1	0	0.3*
9.	Valve assembly	5026233	1	6	0	0	0.2*
10.	Ball valve 2"	0-3330011-0-04	1	6	0	0	0.2*
11.	Relief valve	0-3330017-0-01	1	6	0	0	0.2*
12.	Valve, 3POS 4way	0-3333003-0-05	1	6	0	0	0.2*
13.	Valve (ROC)	0-3333003-0-08	1	6	0	0	0.2*
14.	Valve 4-way	0-3333010-0-03	1	6	0	0	0.2*
15.	Valve (30 TRUSS)	0-3333010-0-05	1	6	0	0	0.2*
16.	Lever assembly	0-3333030-0-04	1	6	0	0	0.2*
17.	Relief valve	0-3334011-0-03	1	6	0	0	0.2*
18.	UNR cross relief valves	0-3334012-0-01	1	6	0	0	0.2*
19.	Press red sandwich valve	0-3334013-0-01	1	6	0	0	0.2*
20.	Press reducing valve	0-3334026-0-04	1	6	0	0	0.2*
21.	Dual relief valve	0-3334031-0-01	1	6	0	0	0.2*
22.	Reducing & relief wing valve	0-3334050-0-01	1	6	0	0	0.2*
23.	Hyd. Valve	L410606	1	6	0	0	0.2*
24.	Relief valve	L411213	1	6	0	0	0.2*

TRT

HYDRAULICS

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
25.	Check valve	L41208	1	6	0	0	0.2*
26.	Working section valve	L424163	1	6	0	0	0.2*
27.	Quick release holding VA	L424334	1	6	0	0	0.2*
28.	Relief valve	0-3334057-0-01	1	6	0	0	0.2*
29.	Pilot check valve	0-3336004-0-00	1	6	0	0	0.2*
30.	Pilot-to-open check valve	0-3336032-0-04	1	6	0	0	0.2*
31.	Valve, OBS, reply by A1399	A1399Y02	1	6	0	0	0.2*
32.	¾ NPT in tank check valve	B3515Y02	1	6	0	0	0.2*
33.	Pressure reducing valve	C0613Y03	1	6	0	0	0.2*
34.	Pressure reducing valve	C0613Y11	1	6	0	0	0.2*
	FILTER						
1.	Hyd. High Pressure Filter	0-3354001-0-02	8	0.25	16	8	8
2.	Hyd. Return Filter (10µ)	L-425299	4	0.25	8	4	4
3.	Suction filter (Magnetic separator)	0-3551002-0-04	2	0.25	4	2	2
4.	Hyd. Filter Driving	L-423291	4	0.25	8	4	4
5.	Return Filter	Z762544-002	3	0.25	6	3	3
6.	Filter element	0-3354001-0-04	1	0.25	2	0	2
7.	Breather filter	0-3381010-0-01	1	1	1	0	0
8.	Return filter assembly	Z762544-0-001	1	6	2	0	0.2*
9.	High Pressure filter assembly	0-3353001-0-04	1	6	2	0	0.2*
10.	10 micron HYD return filter	L425299	1	6	2	0	0.2*
11.	Hyd suction filter bypass	A2766y04	1	1	0	0	1

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
1.	OT CONVEYOR ASSEMBLY	0-2011507-0-06	1	2	0	0	0.5*
2.	FINGER GUIDE WELDMENT	0-2201091-1-01	1	2	0	0	0.5*
3.	YOKE	0-3522001-0-01	1	6	0	0	0.2*
4.	COMPRESSION SPRING	0-3641000-0-54	1	4	0	0	0.25*
5.	B433 INNER STAB. SPRING	0-3641000-0-58	1	6	0	0	0.2*
6.	BRAKE DISK	4004020	1	6	0	0	0.2*
7.	TOOTHED WHEEL - GANTRY WHEEL	6947.113.000.00	1	6	0	0	0.2*
8.	BAR MANIFOLD (DOS)	A0757Y05	1	6	0	0	0.2*
9.	NT -1CONVEYOR CHAIN	A9403T01	1	3	0	0	0.3*
10.	NT-2 CONVEYOR CHAIN	A9403T02	1	3	0	0	0.3*
11.	CONVEYOR CHAIN	A9403T06	1	3	0	0	0.3*
12.	CONVEYOR CHAIN	A9403T17	1	3	0	0	0.3*
13.	SHAFT	A9692X01	1	6	0	0	0.2*
14.	WEAR STRIP PLOW TIP	B2628Y02	1	1	0	0	1
15.	SLED ROLLER	B3042YAA	1	4	0	0	0.25*
16.	PIN	B7215Y01	1	2	0	0	0.5*
17.	BUSHING,ROLLER	B8541Y01	1	4	0	0	0.25*
18.	SPLINE SHAFT	C0994Y01	1	6	0	0	0.2*
19.	WEAR BLADE	D4793X01	1	2	0	0	0.5*
20.	MOUNTING CHANNEL	L421019	1	4	0	0	0.25*
21.	ROLLER CHAIN CONN LINK	L426083	1	2	0	0	0.5*
22.	CONVEYOR CHAIN OT 1	A9403T05	1	2	0	0	0.5*
23.	CONVEYOR CHAIN OT 2	A9402T01	1	2	0	0	0.5*
24.	CABLE ASSY (ROPE WIRE ASSY)	0-1300433-0-7	1	4	0	0	0.2*
25.	CRAWLER TRACK	C2516X01B	1	6	0	0	0.2*
26.	BRAKE DRUM	L422240	1	6	0	0	0.2*
27.	CONNECTING LINK	L426055	1	2	0	0	0.5*

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
28.	PIGONA CHAIN	C692410100000	1	2	0	0	0.5*
29.	JOINT REPLACEMENT KIT	0-3522013-0-07	1	4	0	0	0.2*
30.	1/4-20 X 3 1/4 S H C S	A0041050	1	2	0	0	0.5*
31.	RING GEAR, PINION AND NUT	B5471P21	1	2	0	0	0.5*
32.	AIR DRYER	0-3436001-0-04	1	4	0	0	0.2*
33.	ADAPTER-STR LONG 2 NPT X 4 JIC	151719-1	1	2	0	0	0.5*
34.	DC-HEX FLG SCR 3/8-16X2 1	F023421	1	2	0	0	0.5*
35.	ROLLER (P811)	0-1200165-0-02	1	2	0	0	0.5*
36.	ROLLER (RCO)	0-1200189-0-01	1	2	0	0	0.5*
37.	TOOTHED WHEEL	0-1300402-0-01	1	2	0	0	0.5*
38.	SHAFT, 2 X 92 1/4	0-1203241-0-34	1	2	0	0	0.5*
39.	SHAFT 02 X 65 5/8	0-1203241-0-35	1	2	0	0	0.5*
40.	SHAFT	0-1301147-0-01	1	2	0	0	0.5*
41.	FRICTION STRIP	0-1302484-0-01	1	2	0	0	0.5*
42.	WEAR PLATE	0-1403453-0-01	1	2	0	0	0.5*
43.	WEAR PLATE	0-1306287-0-01	1	2	0	0	0.5*
44.	WEAR PLATE	0-1306287-0-03	1	2	0	0	0.5*
45.	WEAR PLATE	0-1402291-0-03	1	2	0	0	0.5*
46.	SPROCKET	0-3625005-0-14	1	2	0	0	0.5*
47.	SPROCKET	0-3625005-0-15	1	2	0	0	0.5*
48.	SPROCKET	0-3625005-0-16	1	2	0	0	0.5*
49.	ROLLER	0-3653000-0-01	1	2	0	0	0.5*
50.	WEAR PLATE	5028141	1	2	0	0	0.5*
51.	CLAMP 4&6	A9329WAA	1	4	0	0	0.25*
52.	CLAMP 3&7	A9345WAA	1	4	0	0	0.25*
53.	CLAMP 3&7	A9345WAB	1	4	0	0	0.25*
54.	ROLLER	A9371Y02	1	2	0	0	0.5*
55.	ROLLER	A9373Y01	1	2	0	0	0.5*
56.	ROLLER	A9374Y02	1	2	0	0	0.5*

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
57.	CLAMP NO 3 & 7	A9382XAB	1	4			
58.	ROLLER SUPPORT	A9559YAA	1	2	0	0	0.5*
59.	WEAR PLATE	A9600Y01	1	2	0	0	0.5*
60.	STUB SHAFT	B9373Y01	1	2	0	0	0.5*
61.	SPROCKET	Z767130- 001	1	2	0	0	0.5*
62.	SPROCKET	Z767130-0-01	1	2	0	0	0.5*
63.	ANSI CHAIN	0-3621013-0-01	1	2	0	0	0.5*
64.	WEAR PLATE – PEDESTAL	0-3680002-0-03	1	2	0	0	0.5*
65.	WEAR PLATE BRAKE	251618-1	1	2	0	0	0.5*
66.	RAIL BRIDGE ASSY	0-2203331-0-02	1	2	0	0	0.5*
67.	EXTENSION SPRING	0- 3641001- 0- 38	1	2	0	0	0.5*
68.	ROLLER	0-2301663-0-02	1	2	0	0	0.5*
69.	TORQUE PLATE ASSEMBLY	0-2305953-0-01	1	2	0	0	0.5*
70.	Cable, M12-M/F 1MSH 5-cond	3401324	1	2	0	0	0.5*
71.	Cable, M12-M/F 3MSH 5-cond	3401325	1	2	0	0	0.5*
72.	M/F 18 AWG SCON M12 cable 10m	3401326	1	2	0	0	0.5*
73.	Male M12 connector w/pig tail 18 AWGXS 10m	3401329	1	2	0	0	0.5*
74.	Cable, M12- M/din-A diode SM1J4	4022348	1	2	0	0	0.5*
75.	Cable, M12- M/din-A diode 10 M 1J	4022350	1	2	0	0	0.5*
76.	Serial cable connector M12 “T”	414260	1	2	0	0	0.5*
BEARING							
77.	Bearing	0-3652001-0-01	1	6	0	0	0.2*
78.	Spherical bearing	0-3652001-0-13	1	6	0	0	0.2*
79.	Bearing , Spherical roller	0-3652002-0-01	1	6	0	0	0.2*
80.	Oil Impreg flange Bearing	0-3652003-0-01	1	6	0	0	0.2*
81.	Bearing	0-3652004-0-16	1	6	0	0	0.2*
82.	Tapered roller bearing	0-3652007-0-02	1	6	0	0	0.2*
83.	Ball bearing	0-3652008-0-02	1	6	0	0	0.2*
84.	Bearing flanged 4 hole	0-3652010-0-01	1	6	0	0	0.2*

TRT

MECHANICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STM D	ZTMD
85.	Bearing	0-3652011-0-06	1	6	0	0	0.2*
86.	Roller bearing	0-3652027-0-04	1	6	0	0	0.2*
87.	Two hole flange bearing	0-3652028-0-07	1	6	0	0	0.2*
88.	Bearing	0-3652011-0-01	1	6	0	0	0.2*
89.	Sleeve bearing of gripper	0-1404803-0-01	1	6	0	0	0.2*
90.	Bearing	L40213	1	6	0	0	0.2*
91.	Inside ball bearing	L40389	1	6	0	0	0.2*
92.	Bearing	L41071	1	6	0	0	0.2*
93.	Tapper roller bearing	L424624	1	6	0	0	0.2*
94.	Ball bearing cage (RCO)	0-3652000-0-02	1	6	0	0	0.2*
95.	Self lub bearing 1 inch B(hyd)	A1058Y34	1	6	0	0	0.2*
96.	Self lub bearing 70 mm bore (hyd)	A1058Y35	1	6	0	0	0.2*
97.	Drive Shaft assy.	0-3521002-0-08	1	6	0	0	0.2*
98.	Drive shaft	0-3521004-0-10	1	6	0	0	0.2*
99.	Drive shaft	0-3521006-0-03	1	6	0	0	0.2*
100.	Drive shaft	0-3521006-0-07	1	6	0	0	0.2*
101.	Idler sprocket	0-2300202-0-01	1	6	0	0	0.2*
102.	Rubber pad	A3342Y01	1	6	0	0	0.2*
103.	Tie drop pad	B0022Y01	1	6	0	0	0.2*
	GANTRY						
1.	Toothed wheel Big	6947.118.000.00	8	6	0	0	1
2.	Toothed wheel Small	0.1300402-0-01	8	6	0	0	1
3.	Dead wan valve gantry	DS102ND0126P-6P B-10-2-6P,12V	4	6	0	0	0.6*
4.	Jaw cylinder	0-3371001-0-04	2	6	0	0	0.3*
5.	Front and drive shaft assly	DWG.NO.Y752787V	2	6	0	0	0.3*
6.	Dead main Valve for Gantry	DS102ND012LP-6P B-10-2-6p, 12V	4	6	0	0	0.6*

TRT**MECHANICAL**

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
7.	Cable Assly (Wire rope)	0-1300433-0-11	2	6	0	0	0.2*
8.	Sprocket	B7944X01	4	6	0	0	0.2*
9.	Bridge	0-3652011-0-01	8	6	0	0	1
10.	Cable Assly	0-1300433-0-07	2	6	0	0	0.4*
11.	Rope Pulley Bridge	0-3652002-0-01	36	6	3	0	4
12.	Radiator for Gantry	0-3516007-0-03	2	6	0	0	0.2*
13.	Relay gantry 12 VDC	L425637	1	2	0	0	0.5*
14.	Horn for gantry 12V	L40849	1	2	0	0	0.5*
15.	Hyd. Cyl. For rope & pulley (gantry)	0-337100-0-04	1	6	0	0	0.2*
16.	Suction strainer (Gantry)	0-3351002-0-03	1	1	1	0	0
17.	Suction strainer (Gantry)	0-3351002-0-04	1	1	1	0	0

T RT

ELECTRICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STM D	ZTMD
1.	Relay	A1716Y01	8	2	2	0	2
2.	Relay	0-3121007-0-04	2	2	1	0	1
3.	Relay 12V DC	L42766	1	2	1	0	0.5*
4.	Relay Module	L41790	2	2	1	0	1
5.	Relay time delay	0-3119006-0-01	1	2	1	0	0.5*
6.	Relay	0-3121007-0-04	1	2	1	0	0.5*
7.	Relay power dist	0-3122011-0-01	1	2	1	0	0.5*
8.	Relay	A1716Y01	1	2	1	0	0.5*
9.	Lamp	A2197Y07	2	2	1	0	1
10.	Lamp	A2197Y08	2	2	1	0	1
11.	Fuse buss cart	L421430	2	2	1	0	1
12.	Fuse	0-3102017-0-01	2	2	1	0	1
13.	Fuse	L421103	10	2	2	0	3
14.	Fuse	L422478	10	2	2	0	3
15.	Fuse glass tube	0-3102015-0-13	1	2	1	0	0.5*
16.	100 amp fuse	0-3102017-0-01	1	2	1	0	0.5*
17.	Heavy duty limit Switch for Gentry Jaw	L422907	8	2	2	0	2
18.	Battery Charger 110 V for Camp Coach	-	3	4	1	0	0.7*
19.	Limit Switch	0-3119003-0-02	2	2	1	0	1
20.	11 pin Relay 24V /DC	D0650Y08	2	2	1	0	1
21.	Driving Light	L422905	1	2	1	0	0.5*
22.	Work and travel lights	4012175	1	2	1	0	0.5*
23.	Intercom	0-3100011-0-01	1	2	1	0	0.5*
24.	Bulb, 12V (stop/tail)	0-3101019-0-04	1	2	1	0	0.5*
25.	Circuit breaker	0-3105007-0-00	1	2	1	0	0.5*
26.	Prox. Switch	0-3110025-0-06	1	2	1	0	0.5*
27.	Prox switch no NPN	0-3110025-0-10	1	2	1	0	0.5*
28.	Prox switch,3 wire	0-3110025-0-30	1	2	1	0	0.5*

TRT

ELECTRICAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
29.	Slector switch	0-3112001-0-02	1	2	1	0	0.5*
30.	Limit switch for axle engage	0-319006-0-01	1	2	1	0	0.5*
31.	Switch, tow-way	L410952	1	2	1	0	0.5*
32.	11 pin relay, 24VDC	D0650Y08	1	2	1	0	0.5*
33.	Time cube, 2S to30 MIN	D0650Y14	1	2	1	0	0.5*
34.	Cam selector switch	0-3112001-0-01	1	2	1	0	0.5*
35.	PI remote assy & wiring	H3550XAA	1	2	1	0	0.5*
36.	Alternator	5035151	1	2	1	0	0.5*
37.	Head light	A2197Y01	1	2	1	0	0.5*
38.	Light assembly	A2197Y06	1	2	1	0	0.5*
39.	Headlight 24V	A2197Y05	1	2	1	0	0.5*
40.	Cooler fan	A3441Y02	1	2	1	0	0.5*
41.	TRANSZORB	A4406y03	1	2	1	0	0.5*
42.	Converter 24-12 VDC,10	4018385	1	2	1	0	0.5*
43.	Automatic voltage regulator for	3402823	1	2	1	0	0.5*
44.	Encoder , 240 PPR, M12	5001513	1	2	1	0	0.5*
45.	Pressure switch	L40624	1	2	1	0	0.5*
46.	ENG. WATER TEMP GAUGE	A0151Y07	1	2	1	0	0.5*
47.	ENG OIL PRESSURE GAUGE	A0153Y07	1	2	1	0	0.5*

TRT**PNEUMATIC**

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STM D	ZTMD
1.	1 1/4" & Quot npt check valve	0-3336021-0-02	1	6	0	0	0.2*
2.	1" check valve	0-3336021-0-07	1	6	0	0	0.2*
3.	Air valve	0-3412004-0-02	1	6	0	0	0.2*
4.	Valve, SGL SOL 4 WY 2POS	0-3413003-0-01	1	6	0	0	0.2*
5.	Air valve	0-3413003-0-04	1	6	0	0	0.2*
6.	Air line regulator	0-3434000-0-01	1	6	0	0	0.2*
7.	Valve, 3 way sol.	A0730Y02	1	6	0	0	0.2*
8.	Air valve	A4068Y03	1	6	0	0	0.2*
9.	Valve, relay, R-12	A5045Y01	1	6	0	0	0.2*
10.	Valve coil (DO1)	A5429Y11	1	6	0	0	0.2*
11.	Inlet section	L426166	1	6	0	0	0.2*
12.	Air valve	L424114	1	6	0	0	0.2*
13.	Safety valve	L422515	1	6	0	0	0.2*

TRT

GENERAL

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
GENERAL							
1.	Pin assembly	0-3520002-0-01	1	2	0	0	0.5*
2.	Pillow block	L426219	1	2	0	0	0.5*
3.	Chain, 1 inch roller	0-1302082-0-22	1	2	0	0	0.5*
4.	chain	0-1302082-0-32	1	6	0	0	0.2*
5.	chain	0-3032000-0-34	1	6	0	0	0.2*
6.	Tip	0-3032000-0-07	1	2	0	0	0.5*
7.	Meter connecting link	0-3621002-0-01	1	2	0	0	0.5*
8.	Con. Roller chain ex.s	0-3621003-0-03	1	2	0	0	0.5*
9.	Master link	0-3621005-0-02	1	2	0	0	0.5*
10.	Conveyor roller chain P811	0-3621005-0-03	1	2	0	0	0.5*
11.	End yoke	0-3627003-0-01	1	6	0	0	0.2*
12.	Hand lever	0-3677006-0-01	1	6	0	0	0.2*
13.	Rubber pad	H0403Y02	1	4	0	0	0.25*
14.	Half link	H3557W01	1	2	0	0	0.5*
15.	Cable assy (rope wire assy)	0-1300433-0-01	1	6	0	0	0.2*
16.	Magnetic suction separator	0-3351002-0-05	1	2	0	0	0.5*
17.	Desiccant cart refill	0-3436004-0-04	1	2	0	0	0.5*
18.	Primary Element	0-3610008-0-01	1	2	0	0	0.5*
19.	Safety element	0-3610008-0-02	1	2	0	0	0.5*
20.	Air cleaner	Z780155-002	1	6	0	0	0.2*
21.	Manifold DOS INLINE, AL	0-3360012-0-02	1	2	0	0	0.5*
22.	The rod kit (9 sect)	0-3339028-0-09	1	2	0	0	0.5*
23.	Dust Excluder	0-3350004-0-09	1	3	0	0	0.3*
24.	Air Dryer	0-3436001-0-04	1	3	0	0	0.3*
25.	Restrictors	0-3335026-0-02	1	2	0	0	0.5*
26.	Adapter –Str Long 2 NPT X4 JIC	151719-1	1	6	2	0	0.2*
27.	Hycl 2 ½ cyl assy	B5703xat	1	6	2	0	0.2*
28.	Oil cooler	X780072-001	1	6	2	0	0.2*
29.	10 micron HYD return filter	L425299	1	6	0	0	0.2*
30.	Accumulator	03301001-0-02	1	6	2	0	0.2*

TRT**GENERAL**

S.No	Brief Description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
31.	Magnetic Suction Strainer	0-3351002-0-03	4	0.25	8	4	4
32.	Magnetic Suction Strainer	0-3351002-0-05	3	0.25	8	2	2

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

ACKNOWLEDGEMENT

Following officers and staff have made their valuable contributions in finalization of the critical spare parts list for Track Relaying Train (P811S).

RAILWAYS

- | | | |
|----|------------------|----------------|
| 1. | SRI V.K. MISHRA | SSE/TMC/TRT/NR |
| 2. | “ Ashish Agarwal | SSE/TMC/TRT/NR |
| 3. | “ B.D.S.Rawat | SSE/TM/TRT/NR |

RDSO

- | | | |
|----|--------------------|---------|
| 1. | SRI Om Prakash | DTM-III |
| 2 | “ Muslim Ahmad | ARE/TM |
| 3. | “ Prem Kumar | SSRE/TM |
| 4. | “ V.P. Srivastava, | SSE/TM |