



भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226 011
EPBX (0522) 2451200
Fax (0522) 2458500

Government of India-Ministry of Railways
Research Designs & Standards Organisation
Lucknow - 226 011
DID (0522) 2450115
DID (0522) 2465310



TM/HM/TLE/Pt-III

Date: 23.09.2020

- | | |
|------------------------------------------------------------------|-------------------------------------------------------------|
| 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: सिमपेक्स ट्रैक लेईंग मशीन संशोधन-1 की क्रिटिकल स्पेयर्स पार्ट सूची।

Sub: Critical Spares Parts list for (Rev.1) for Track Laying Machine TLE (Simplex).

Ref: CE/TMC/Seminar held on 4th and 5th April 2019.

सिमपेक्स ट्रैक लेईंग मशीन संशोधन-1 के क्रिटिकल स्पेयर्स पार्ट सूची, यस.डब्ल्यू.आर. से प्राप्त सुझावों के आधार पर, मसौदा एवं अनंतिम क्रमशः पत्र सं टीएम/एचएम/1 दि 31.12.2019 द्वारा 30 दिनों के लिये, और पत्र सं टीएम/एचएम/टी०यल०ई०/पार्ट. III दि 04.09.2020 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 कार्य कर रहे हैं के मार्ग दर्शन हेतु संलग्न है। यद्यपि उपरोक्त सूची/पुनरीक्षण बनाते समय सभी सावधानियाँ बरती गई हैं, फिर भी यदि कोई त्रुटि हो तो, कृपया अपने सुझावों/टिप्पणियों को ईमेल/फैक्स/पत्राचार द्वारा अधोहस्ताक्षरी को अवगत करायें।

Draft and provisional Critical Spares Parts list for Track Laying Machine TLE (Simplex) Rev-1 has been prepared based on suggestion of SWR, circulated vide letter no.TM/HM/1 dt.31-12-2019 for 30 days and letter no.TM/HM/TLE/pt.III dt. 04-09-2020 for 15 days respectively, 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 Id- hmtmmrdso@gmail.com

DA: As above

Digitally signed by OM
PRAKASH
Date: Wed Sep 30 13:07:21 IST
2020
Reason: Approved

(ओम प्रकाश)
(Om Prakash)
निदेशक रेलपथ मशीन-III
Director Track Machine-III

I-मुख्य अभियन्ता (ट्रैक मशीन)

- 1.0 मध्य रेलवे, सीएसटी, मुम्बई-400001
- 2.0 फेयरलीप्लेस, पूर्वरेलवे, कोलकाता-700001
- 3.0 बड़ौदाहाउस, उत्तररेलवे, नयी दिल्ली-110001
- 4.0 उत्तरपूर्वरेलवे, गोरखपुर 273012
- 5.0 मालीगांव, उत्तरपूर्वसीमान्तरेलवे, गुवाहाटी-781011
- 6.0 पार्कटाउन, दक्षिणरेलवे, चेन्नई-600003
- 7.0 रेलनिलयम, दक्षिण मध्य रेलवे, सिकन्दराबाद-500371
- 8.0 गार्डनरीच, दक्षिणपूर्वरेलवे, कोलकाता-700043
- 9.0 चर्चगेट, पश्चिमरेलवे, मुम्बई-400020
- 10.0 उत्तरपश्चिमरेलवे, जयपुर-302001
- 11.0 पूर्व मध्य रेलवे, हाजीपुर-844101
- 12.0 दक्षिणपश्चिमरेलवे, हुवली-580023
- 13.0 उत्तर मध्य रेलवे, इलाहाबाद-211015
- 14.0 पूर्वतटरेलवे, भुवनेश्वर-751001
- 15.0 पश्चिम मध्य रेलवे, जबलपुर-482001
- 16.0 दक्षिणपूर्व मध्य रेलवे, बिलासपुर-495004

II- मुख्य कार्यशालाप्रबन्धक (ट्रैक मशीन)

- 1.0 सी.पी.ओ.एच. कार्यशाला पो0 धूमनगंज इलाहाबाद-221012
- 2.0 सी.पी.ओ.एच. कार्यशाला, दक्षिण मध्य रेलवे, रायनापाडु, विजयवाडा, जिला कृष्णा, आन्ध्रप्रदेश. 521241
- 3.0 सी.पी.ओ.एच., कार्यशाला, पूर्व रेलवे, भूतबागान रेलवे कालोनी, कांचरापारा, पी.एस.-बिजपुर, पी.ओ.-कांचरापारा, पश्चिमबंगाल-743145
- 4.0 मुख्य अभियन्ताएसी.पी.ओ.एच.पश्चिमरेलवे, मंडल रेलप्रबन्धक कार्यालय, चामुंडामाता मन्दिर के पास, नरोडारोड, पोस्ट- सैजपुरबोधा, अहमदाबाद-382345

III- प्रधानाचार्य भारे.रे.प.म.प्र.के. पीपलगांव इलाहाबाद-211011

Chief Engineer (Track Machines)

- CST, C R, Mumbai - 400001.
Fairlie Place, E R, Kolkata-700001.
Baroda House, N R, New Delhi-110001.
N E R, Gorakhpur-273 012.
Maligaon, N F R, Guwahati -781011.

Park Town, S R, Chennai -600003.
Rail Nilayam, SCR, Secunderabad-500371.
Garden Reach, S E R, Kolkata-700043.
Churchgate, W R, Mumbai-400020
N W R, Jaipur-302001.
E C R, Hazipur-844101
SWR, Hubli-580023
NCR, Allahabad-211015
East Coast Rly, Bhubaneshwar-751001
WCR, Jabalpur-482001
South East Central Rly, Bilaspur-495004

Chief Workshop Manager (Track Machines)

- CPOH Workshop, PO. Dhoomanganj Allahabad-221012

CPOH Workshop, South Central Railway, Rayanapadu, Vijaywada, Dist. - Krishna, Andhra Pradesh-521241

CPOH Workshop, Eastern Railway, Bhutbagan Railway Colony, Kanchrapara, P.S: Bizpur, P.O.: Kanchrapara, West Bengal-743145
Chief Engineer. C.P.O.H, Western Railway, Divisional Office, Near Chamunda Mata Mandir, Naroda Road, Post- SaijpurBogha, Ahmedabad-382345

Principal, IRTMTC, PipalGaon, Allahabad-211011

INDIAN RAILWAYS

CRITICAL SPARES OF TRACK LAYING MACHINE

TLE (Simplex)

Rev.-1

SEPTEMBER-2020

RESERCH DESIGNS AND STANDARDS ORGANISATION

Manak Nagar , Lucknow-226011

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SITE = At Machine , STMD= Satellite Machine Depot, ZTMD= Zonal Track Machine Depot

191945/2020/O/o PED/TMM/RDSO

TLE(Simplex)

ENGINE

S.No	Brief description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
1.0	ENGINE MODEL NO- Kirloskar-HA694 (Old Model) Kirloskar-HA694TC (New Model)						
1.	Self-starter	06.034.06.0.00	1	3	1	0	0
2.	Alternator Lucas make	03-130-01-0-00	1	3	1	0	0
3.	Lube Oil	EPICF-4/15W40	16 L	0.2	40L	20L	20L
4.	Lube oil filter	0-6-040-01-000 (Old Model) 06.436.01.0.00 (New Model)	1	0.2	2	1	2
5.	Air cleaner (inner)	06.246.02.0.00 (Old Model) /48.145.02.0.00 (New Model)	1	0.5	1	0	1
6.	Air cleaner (outer)	06.246.03.0.00 (Old Model) 48.145.30.00 (New Model)	1	0.5	1	0	1
7.	V-belt	A-45(2NOS.) &A-51(1NO.) (Old Model) A-A8 Pt.No.04.062.01(1no.),Band ed wrapped belt (1no.), Pt. 06.032.03.0.00(New Model)	3(Old Model) /2(New Model)	1	3	0	0
8.	Fuel filter (Primary-1,Secondary-1)	primary-48.117.04.0.00, Secondary-48.117.05.0.00	1set	0.2	2	1	2
9.	Injector pipe set	-----	1set	3	1set	0	0
10.	Fuel pipe connect with Benzo pipe(Filter to pipe)	34.174.02.0	1nos.	0.5	2	0	0
11.	Fuel pipe connect with Benzo pipe(Feed pump to filter)	34.035.03.0	1nos.	0.5	2	0	0
12.	Battery terminal	-----	4	2	2	0	0
13.	Fuel pipe	25.040.01.00	1nos.	1	1	0	0
14.	Screw air vent	34.0.32.09.01	1nos.	3	1	0	0
15.	Pressure filter kit (Diesel filter)	48.999.020.00(Old Model)	1	0.5	2	0	1

*MINIMUM QUANTITY 1

191945/2020/O/o PED/TMM/RDSO

LE(Simplex)

HYDRAULIC

S.No	Brief description	Part no.	Nos per M/C	Estt. lifecycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
A.VALVE							
1.	Direction control valve	SED-237-6500-POS13(Old Model)	1	6	0	0	0.2*
2.	Tank Valve	61922502002B(New Model)	1	6	0	0	0.2*
3.	Solenoid valve	237-6500-POS14(Old Model)	4	6	0	0	0.8*
4.	Direct operated pressure relief valve for cooler motor	61922501000B(New Model)	1	6	0	0	0.2*
5.	Direction control valve	61922511400B(New Model)	1	6	0	0	0.2*
6.	Direction control valve	61922511300B(New Model)	1	6	0	0	0.2*
7.	Direction control valve	61922511200B(New Model)	1	6	0	0	0.2*
8.	Direction control valve	61922511100B(New Model)	1	6	0	0	0.2*
9.	Check Q-Meter	237-6500-P0S2(Old Model)	1	6	0	0	0.2*
B. PUMP							
1.	Double Gear Pump	SED-237-6500-PO52(Old Model) 61922500200B(New Model)	1	6	0	0	0.2*
2.	Hydraulic Pump	HY704X71L/EP(Old Model)	1	6	0	0	0.2*
3.	Driving pump	61922500200B(New Model)	1	6	0	0	0.2*
C. FILTER ELEMENT							
1.	Return filter	237-01-09-01(Old Model)/61922501900B(New Model)	1	0.5	1	0	1

*MINIMUM QUANTITY 1

191945/2020/O/o PED/TMM/RDSO

TLE(Simplex)**HYDRAULIC**

S.No	Brief description	Part no.	Nos per M/C	Estt. Life cycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
2.	High pressure Filter element for variable pump	237-01-08-01 (Old Model) /61922502300B (New Model)	1	0.5	1	0	1
3.	Suction filter element	237-01-01-01 (Old Model) /61922502700B (New Model)	1	0.5	1	0	1
4.	Suction filter element	61922502400B (New Model)	1	0.5	1	0	1
D. CYLINDER							
1.	Extra Lifting Cylinder	SED-237-6500-P0527 (Old Model) C1000001132700000B (New Model)	4	2	1	0	1
2.	Rail Clamp Cylinder	SED-237-6500-POS2B (Old Model) C1000001132800000B (New Model)	4	2	1	0	1
3.	Lateral movement Cylinder	SED-237-6500-POS27 (Old Model)	2	2	1	0	1
4.	Gripper Cylinder	SED-237-6500-P0527 (Old Model) C1000001132700000B (New Model)	4	2	1	0	1
5.	Bridge Lifting and Lowering Cylinder	C1000001132600000B (New Model)	4	4	1	0	0
6.	Brake Cylinder	SED-237-6500-POS29 (Old Model) C1000001132900000B (New Model)	4	4	1	0	0
7.	Boom Extension cylinder	C1000001134200000B (New Model)	4	4	1	0	0
E.MOTOR							
1.	Driving Motor	61922500300B (New Model)	4	6	0	0	0.6*
2.	Hydraulic cooler motor	SED237-6500 POS4	1	6	0	0	0.2*

*MINIMUM QUANTITY 1

CSP (Rev.-1) list of TLE (Simplex), Sept.-2020.

191945/2020/O/o PED/TMM/RDSO

TLE(Simplex)**HYDRAULIC**

S.No	Brief description	Part no.	Nos per M/C	Estt. lifecycle in year	Requirement per m/c		
					SITE	STMD	ZTMD
F.OTHERS							
1.	Level Gauge	237.080.27.00S(New Model)	1	2	1	0	0
2.	Seal set for Bridge Lifting and Lowering Cylinder	C100000113-01-02-01B(New Model)	4	2	2	0	0
3.	Seal set for Lateral movement Cylinder	C100000113-01-03-01B(New Model)	4	2	2	0	0
4.	Seal set for Brake Cylinder	C100000113-01-04-01B(New Model)	4	2	2	0	0
5.	Seal set for Rail Clamp Cylinder	C100000113-01-05-01B(New Model)	4	2	2	0	0
6.	Seal set for Boom Extension cylinder	C100000113-01-06-01B(New Model)	4	2	2	0	0

*MINIMUM QUANTITY 1

191945/2020/O/o PED/TMM/RDSO

TLE(Simplex)

MECHANICAL

S.No	Brief description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per mc		
					SITE	STMT	ZTMD
A. Shaft							
1.	Synchronous shaft-I st	237.090.01.0S(New Model)	2	6	0	0	0.3*
2.	Synchronous shaft-II nd	237.090.02.0S(New Model)	4	6	0	0	0.6*
B. BEARING							
1.	Ball Bearing	237-020-15-04B	8	6	0	0	1
2.	Cylindrical Roller Bearing	237-020-15-14B	8	6	0	0	1
3.	Bearing for Synchronous shaft	6216	4	6	0	0	0.6*
4.	Ball Bearing	237-120-10-00B(Old Model)	4	6	0	0	0.6*
5.	Ball Bearing	237-120-04 -00B(Old Model)	4	6	0	0	0.6*
C. OTHERS							
1.	Driving Chain 1”Pitch	237-1501-800B (Old Model) C1000001131501800B(New Model)	4	0.5	4	2	0
2.	Driving Chain 1”Pitch Lock	-----	4	1	4	0	0
3.	Duplex Chain 1 .5”Pitch	237-220-01 00B(Old Model) C1000001132200100B(New Model)	4	0.5	8	4	0
4.	Duplex Chain 1 .5”Pitch lock	-----	4	1	4	0	0
5.	Simplex Chain 1 .5”Pitch	237-220-02-00B(Old Model) C1000001132200200B(New Model)	4	0.5	8	4	0
6.	Simplex Chain 1 .5”Pitch lock	-----	4	1	4	0	0
7.	Simplex Chain sprocket	237.040.06.00S(Old Model)	2	2	1	0	0
8.	Limit Switch bracket	237.040.10.00S(Old Model)	1	3	1	0	0

*MINIMUM QUANTITY 1

CSP (Rev.-1) list of TLE (Simplex), Sept.-2020.

191945/2020/O/o PED/TMM/RDSO

TLE(Simplex)					MECHANICAL		
S.No	Brief description	Part no.	Nos per M/C	Estt. life cycle in year	Requirement per mc		
					SITE	STMT	ZTMD
9.	Guide block	237.040.02.00S(Old Model)	4	3	1	0	0
10.	Bearing bracket	237.02015.015(Old Model)	1	3	1	0	0
11.	Grease nipple	GN-40098(Old Model)	20	3	7	0	0
12.	Duplex Sprocket Gear	237-310-16-00B	2	1	1	0	1
13.	Roller	237-020-15-125	8	1	8	0	4
14.	Roller	237-020-15-135	8	1	8	0	4
15.	Drive Plate for working Hyd. pump	CENTAFLEX-K125-SAE	1	6	0	0	0.2*
16.	Rubber Coupling	778322	1	2	1	1	0
17.	Tension Pin duplex	237-220-05-00S	2	1	2	0	0
18.	Tension Pin duplex	237-220-04-00S	2	1	2	0	0
19.	Tension Sleeve simplex	237-220-09-00S	1	1	1	0	0
20.	Drive sprocket	237-150-21-00B	4	1	4	2	0
21.	Idler sprocket gear	237-150-28-00B	4	1	4	2	0
22.	Pin	237-020-15-03S	16	4	4	2	0
23.	Inside circlip	1C307580	2	6	0	0	0.3*
24.	Brake Blocks	C10000011316023005(New Model)	4	0.5	4	0	4

*MINIMUM QUANTITY 1

191945/2020/O/o PED/TMM/RDSO

TLE(Simplex)

ELECTRICAL

S.No	Brief description	Part no.	Nos per M/C	Estt. lifecycle in year	Requirement per mc		
					SITE	STMT	ZTMD
A. OTHERS							
1.	Rotart Type Switch	237-180-00-464B	4	2	2	0	0
2.	Rotart Type Switch	237-180-00-467B	2	2	2	0	0
3.	Contract Block NC-NO BCH Make	-----	2	1	2	0	0
4.	Loading Switches ON & OFF spring return switch BCH make 3 WAY	-----	2	2	1	0	0
5.	ON & OFF Switch 2 Ways BCK make	-----	1	1	1	0	0
6.	Starter switch with key	-----	1	1	1	0	0
7.	Push button	-----	2	1	2	0	0
8.	HBC Fuse 16Amp	-----	1	1	1	0	0
9.	9 Pin Relay	-----	1	1	1	0	0
10.	Pin Relay	-----	1	1	1	0	0
11.	Working Light 24 V DC	-----	6	2	3	0	0
12.	Limit Switch	-----	8	4	2	0	0
13.	Contact block NC-NC BCH Make	-----	2	2	1	0	0
14.	Toggle switch heavy duty 15amps	-----	4	4	1	0	0
15.	Coupler	-----	20	4	3	0	2

*MINIMUM QUANTITY 1

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

ACKNOWLEDGEMENT

Following officers and staff have made their valuable contributions in finalization of the Critical Spare Parts (Rev.-1) list for TLE (Simplex)

Railway**S.W.Railway****RDSO****1. Shri Muslim Ahmad****ARE/TM****2. “ ” Ved Prakash Srivastava****SSE/TM**