

(61)

PS SIGNAL POLICY folder. (23)

for 28.07.10

Government of India
Ministry of Railways
(Railway Board)

RBA No. 25/2006

No.2002/AC-II/1/10

New Delhi, Dated 24/05/06

1. General Managers/FA&CAOs etc.(As per standard list I)
2. All attached offices/subordinate offices (As per standard list II)

Sub:- Revised Codal life of Assets

The matter regarding reassessment of codal life of assets has been under Board's consideration for quite some time. To reassess the codal/ service life of assets, a multi-disciplinary Executive Director's Committee was constituted. The recommendations of the committee have since been accepted by Board. Accordingly Advance correction slip no.62 amending Para 219/F-I detailing normal life of various classes of railway assets is placed below for information and necessary action.

Kindly acknowledge receipt.

DA: As above (9 pages)

Shivaji Rakshit
(Shivaji Rakshit) 23/5/06
Executive Director (Accounts)
Railway Board.

Copy to:

1. Dy.C&GA of India (Railways), Room No.224, Rail Bhawan, New Delhi. (with 45 spare copies).
2. GM/const./NFR, CAO/CE (Const.) /All Indian Railways.
3. EDCE (Plg.), EDCE(B&S), EDCE(G), ED/Track(M), ED/Track(P), ED/Track(MC), ED(Project), Adv.EE(RS), EDEE(G), EDEE(Dev.), ED(RE), EDFX-I, EDFX-II, EDF/S, EDF/B, ED/C&IS, EDME (Cg), EDME(F.), EDME(Tr.), EDME(W), EDME(Dev.), ED/Sig., ED(TD)
4. AC I (Comp.), AC III (6 copies), AC-IV, Code Revision, Accounts Inspection, Accounts Appropriation, Finance (Budget).

Shivaji Rakshit
(Shivaji Rakshit) 23/5/06
Executive Director (Accounts)
Railway Board

250

ADVANCE CORRECTION SLIP No. 62

Indian Railway Finance Code Vol.-I (Reprint Edition 1998) Para 219 :-

(i) Substitute table below Para 219 showing normal life of the various classes of railway assets with the following:-

(1) CIVIL ENGINEERING ASSETS

S.No.	Class of assets	Average life in years			
		ROUTES			
		A & B	C(Sub)	D	E
1. RAIL & FASTENING etc.					
1.	Rail & Fastenings				
(a).	Rails	20	15	30	*30
(b).	Wooden Sleepers	10	10	10	*10
(c.1)	Metal sleepers (Cast Iron & Steel)	20	20	20	*20
(c.2)	Fittings steel trough	10	10	10	*10
(d).	Concrete sleepers	35	35	40	*40
(e).	Elastic Fastenings				
(i)	Elastic Rail clips	5-8	5-8	8-10	*8-10
(ii).	Rubber Pads/ Liners	2-4	2-4	4	*4-6
(f).	Switches	4	2/3	5	*5
(g).	Crossings	5	4/5	8	*8
2 (A). MAJOR BRIDGES					
(a).	Bridges work- Steel work			60	
(b).	Bridge Masonry			100	
(c).	Structures Steel			60	
(d).	Structure- masonry and cement concrete			65	
(e).	RCC Bridge Works			60	
(f).	Pre-stressed concrete-Bridge work			40	
(B). MINOR BRIDGES					
(a).	Bridges work-Steel work			60	
(b).	Bridge Masonry			100	
(c).	Structures Steel			60	
(d).	Structure- masonry and cement concrete			65	
(e).	RCC Bridge Works			60	
(f).	Pre-stressed concrete-Bridge work			40	
3. FOOT OVER BRIDGES					
(a).	Bridges work-Steel work			60	
(b).	Bridge Masonry			100	
(c).	Structures Steel			60	
(d).	Structure- masonry and cement concrete,			65	
(e).	RCC Bridge Works			60	
(f).	Pre-stressed concrete-Bridge work			40	
4. TRACK MACHINE (All Categories)					
				15	

* The service life as indicated in the table is general life/service life for track components. However renewal/replacement will be subject to various criteria laid down in IRPWM about its condition.

Shivaji Patshil
JDA 23/5/06

253

S.No.	Class of assets	Average life in years
18.	Electric Pumps	20
19.	Electric Lifts & Hoist	20
20.	Ceiling Fans	20
21.	Electric Battery charging set	15
22.	Flood Light Projection	10
23.	Battery lead Acid	4
24.	Coach wiring	12
25.	Carriage Fans	10
26.	Air conditioner Central unit -above 3 tons	10

B) Equipments required for replacement through DRF/ Sinking Fund.

S.No	Class of assets	Average life in years
27	AC EQUIPMENT	
(i)	25 KV Inverter	15
(ii)	AC Control Panel (As per F-I codal life is 12 yrs.	15
(iii)	Inverter Panel	15
28	TL Power Equipment	
(i)	4.5/18/22.75/25 KW Alternator (As per F-I codal life of Dynamo is 20 years)	12
(ii)	800 A.H.L.A Battery	4
(iii)	1100 AH VRLA (SMF) Battery	4
(iv)	Diesel Engine for Powers Car	15
(v)	Alternator for Power Car	15
29	Electric Locomotive Equipments	
(i)	All Electric rotating machines up to 25 HP used on Electric Locomotives, EMU's Coaches and for stationary items	12
(ii)	All Electric rotating machines above 25 HP and upto 750 HP used on Electric Locomotives, EMU's Coaches and for stationary items	12
(iii)	Traction Motor	18
(iv)	Traction Converters	18
(v)	Auxiliary Converters	18
(vi)	Control Electronics	18
(vii)	Tap-Changer	35
(viii)	Rectifier Block	18
(ix)	Traction Gears	12
(x)	Motor Suspension	12
(xi)	Bogies with Wheel	18
(xii)	Armature for Traction Motors	15

Shirazi Pakarhit
RDA 23/5/06

256

S.No.	Class of assets	Average life in years
		10
(iv)	Compressor Motor DC	15
(v)	Compressor Motor AC	8
(vi)	Condenser Fan Motor (DC)	10
(vii)	Condenser Fan Motor (AC)	10
(viii)	Condenser Fan Motor (RMPU)	10
(ix)	Evaporater Fan Motor (AC)	10
(x)	Evaporater Fan Motor (DC)	12
(xi)	Evaporater Fan Motor (RMPU)	8
(xii)	Condenser Unit	10
(xiii)	Condenser Unit (RMPU)	10
(xiv)	Evaporater unit	10
(xv)	Evaporater unit (RMPU)	5
(xvi)	Mercury in glass thermostat	
3	TL/Power Equipment	12
(i)	4.5/18/22.75/25 KW alternator regulator	3
(ii)	Emergency 90 AH L.A. Battery	4
(iii)	120 AH VRLA (SMF) Batttery	3
(iv)	290 AH starting L.A. Batteries for Power Car	15
(v)	Power Car power panel	15
(vi)	Power panel (AC coaches)	12
(vii)	Pre Cooling cum battery charging transformer rectifier unit	15
(viii)	50 KVA 750/415 V transformer unit	15
(ix)	3 KVA 415/190 V transformer	5
(x)	Water Raising Apparatus (WRA)	5
(xi)	Water Boiler for Pantry	5
(xii)	Hot Case for Pantry	5
(xiii)	Bottle Cooler cum deep freezer	12
(xiv)	Ventilation Blower Motor for Power Car	10
(xv)	Radiator for Power car	15
(xvi)	Radiator Motor for Power Car	

(IV) MECHANICAL ASSETS

S.No.	Class of assets	Average life in years
	Machinery & Plant	
1	Machine Tools like Lathes, Planers, Drilling, Boring and Milling machines etc.	15
2	High Precision and special purpose machines like wheel Lathes etc.	15

Shivaji Rakesh
JEDA 23/8/06

257

S.No.	Class of assets	Average life in years
37	Full Stainless Steel Body Coaches including DMUs/EMUs, Restaurant Cars etc.	30
38	Light utilisation categories of coaches (steel body) like Inspection carriages etc.	40
39	IRS Coaches	30
40	Open Bogie wagons with air brakes and Casnub bogies	30
41	Bogie tank wagons with air brakes and Casnub bogies	40
42	All other types of Bogie wagons with air brakes and Casnub bogies	35
43	Open wagons with vacuum brakes and UIC bogies	25
44	Other wagons with vacuum brakes and UIC bogies	30
45	4- Wheeler wagons (open and covered)	30
46	4- Wheeler tank wagons (with plain bearings)	35
47	4-Wheeler tank wagons (with roller bearings)	35

(V) SIGNAL & TELECOMMUNICATION ASSETS

(A) SIGNALLING SYSTEM

S.No.	Class of assets	Routes	Average life in years
1.	Electrical/ Mechanical Signalling System	<ul style="list-style-type: none"> Route-' A' Route-'C'/Sub Urban section Big Yards on all Routes 	25 Yrs.
		<ul style="list-style-type: none"> Routes- 'B' Route 'D' Route 'D'-special' 	25 to 28 Yrs depending upon location & condition
		<ul style="list-style-type: none"> Routes-'E' Route 'E- Special' 	30 Yrs
2.	Electronic Signalling system like SSI, Axle Counter, AWS, AFTC, IPS etc.		15 years or based on obsolescence.

Srinani Pakshit
JDA 23/5/06

2.98

S No	Class of assets	Life in terms of operations	Average life in years				
			Routes				
			A	B	C/ Suburban	D & D- Spl	E & E-Spl
14	Signal Transformers, Transformers	-	12	12	12	12	12
	Battery Chargers, DG Sets, Inverters,	-	10	10	10	10	10
15	Batteries	-	4	4	4	4	4
16	Block Instruments	-	25	25	25	25	25
17	Cable	-	20	20	20	20	20
18	Block Instrument Electro Mechanical	-	20	20	20	20	20

(C) TELECOMMUNICATION EQUIPMENT

S.No.	Class of assets	Average life in years
1	Microwave Equipment	12-15 Years
2	Exchange & accessories including Telephone equipment	12-15 Years
3	Under Ground Cables	Quad} -20 Years PIJF}
		OFC -20 Years
4	Overhead alignment	25 Years
5	All other electronic/ wireless items including OFC equipment	12-15 Years
6	Cell Phones	5-8 Years
7	FAX	10 Years
8	Walkie-Talkie Sets/VHF	5-8 Years
9	Datacomm. Equipment, Routers, Modems, PCs etc.	5-8 Years

Shivaji Patil
VEDA 23/5/06