ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

Mechanical Engineering Department
Office of the VC&MD, RTC House, VIJAYAWADA-13

CIRCULAR No.01/2019-MED Dt.09.01.2019

Sub: **MAINTENANCE:** REVISION OF PREVENTIVE MAINTENANCE SCHEDULES OF BUSES - Reg.

Ref: 1. Circular No.32/87-MED, Dt.30.10.87.
2. Circular No.23/94-MED, Dt.23.07.94.
3. Circular No.24/2000-MED, Dt.24.06.2000

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The main objective of preventive maintenance of buses is to provide safe, reliable, punctual and clean passenger bus services at optimum cost.

In APSRTC, the preventive maintenance schedules of buses at the depots were initially planned on daily (Schedule-I), weekly (Schedule-II), monthly (Schedule-III) and quarterly (Schedule-IV) basis. The works to be attended in various schedules were listed out in consultation with Vehicle Manufacturers & OEMs. During the year 1994, monthly and quarterly maintenance schedules were modified on the basis of operated kilometres instead of periodicity i.e., Schedule-III and Schedule-IV

Maintenance schedules were recast in 2000 by introducing alternate day Schedule-I for buses that covered less than 5.0 lakh km and daily Schedule-I for buses that covered more than 5.0 lakh km. Works to be done during Sch III/IV were also revised keeping in view the OEMs recommendations.

I. The following technical improvements have taken place during the past two decades

A) Technical improvements in Chassis and aggregates from OEMs:

1. High performance wheel bearing grease with longer change intervals
2. Multi grade oils for engine, gear box, differential and power steering with longer drain intervals
3. Long life engine oil filters, fuel filters and dry air filters
4. Expansion volume radiators and de-aeration tanks requiring almost no top up of coolant

5. Air / Weveller suspension system in front and rear positions in place of shackle system suspension
6. Air dryers, DDUs which do not require manual draining of water
7. Full dual air brake system with relay Valves, Quick release valves and Automatic slack adjusters which do not require greasing and eliminated regular brake adjustment.
8. Self lubrication of FIP and pre packed bearings for CJ & water pump etc.

B) Improvements in bus maintenance systems at Depots:

The following system improvements have been implemented at all Depots based on the revision of guidelines from MED issued from time to time to enhance unit lives, minimise breakdowns and repairs of buses.

1. New water pumps, AC heads and CO feed pumps are being used extensively as per revised guidelines from MED duly dispensing with repairs at Depot level.
2. No oil leakages are observed on buses from engine, gear box, rear axle, steering system etc., due to special care being taken on cleaning of breathers. Hence, there is no need to replace the oil seals frequently and to replenish oils lost due to leakages.
3. Changing of four spring assemblies of suspension system during schedule IV with properly prepared spring assemblies, changing of worn out spring brackets and shackles without resorting to any retrieval contributed for reduction of work related to replacement of broken spring blades , shackles etc.
4. Standardisation of consumables of transmission system and strengthening of greasing helped to eliminate the need for tightening of joint & bed bolts of transmission system on daily basis

II. Revision of preventive maintenance schedules:

Based on the Technological improvements brought in by Vehicle manufacturers & OEMs and system improvements implemented at all Depots as per revised guidelines issued from MED, the average life of units has improved considerably, breakdowns came down drastically and dependance on routine daily checks on buses has been reduced to a great extent. Therefore, it is felt necessary to revise the preventive maintenance schedules of buses to match the present day requirements.

In this regard, series of meetings were conducted with Dy.CMEs, WMs and Service Engineers of Vehicle Manufacturers & OEMs. Elaborate discussions were held on the need for revision of the existing preventive maintenance schedules and the following modifications are now proposed for implementation with immediate effect.

S.No	Activity	Category of Buses	Existing Mileage/Periodicity	Revised Mileage / Periodicity
1	RG	All types	Daily	1. Attention of RGs reported during Sch-I, II maintenance & Log sheet complaints shall be taken up daily for all buses when reported. 2. One mechanic for 15 buses shall be provided for RG attention.
2	Sch. I	All types	Daily Maintenance	1. Once in 3 days i.e daily Sch I shall be done for 1/3 of the fleet 2. Buses operating on Ghat roads shall be taken up on daily basis. 3. No need to take up Sch I maintenance for the buses undergoing Sch.II, III & IV on that day.
3	Sch.II	All types	Once in a week	No change
4	Sch.III	Telugu Velugu and City	12000 Km	20000 Km
		Express and above upto Indra	15000 Km	
5	Sch.IV	Telugu Velugu and City	36000 Km	60000 Km
		Express and above upto Indra	45000 Km	

III. **Summary:**

1. Schedule I maintenance shall be done once in 3 days, since no item/ unit requires daily check up. (Sch I maintenance shall mainly focus on PP Shafts, Tyres / Wheel Bolts & Nuts and Springs)
2. Man power shall be deployed for RGs in shifts @ 1 Mechanic for 15 buses to attend to Log sheet complaints and RGs reported by Sch II Mechanics/ Supervisor.
3. Schedule II maintenance @ 4 buses per Mechanic per day (24 fixed buses in a week).
4. Schedule-III/IV to be done at 20,000/60,000 kms for all types of buses upto Indra.
5. Further, it is necessary to rotate the Mechanics available in the shifts for all works viz., Sch-I, RG, Dispatch duties by preparing a duty chart shift wise to empower all Mechanics in every work related to maintenance of buses.

6. Sch II, III, IV maintenance is vital and if these Schedules are carried out both Qualitatively and Quantitatively, 100% of the objective of PM will be accomplished.
7. The basic maintenance and annual maintenance service schedules being followed so far for high end AC buses viz. Volvo, Scania, Corona, Isuzu & Benz shall be continued as per OEM specified mileages.
8. The duties of Mechanics and Artisans viz. CB, DC Electrician, Trimmer, Painter, Blacksmith, Tyre mechanic etc. are given in the Annexures.

IV. **Road test**: In order to ensure quality of maintenance especially of fuel, brake and steering systems, atleast one bus that has undergone for Schedule III/ IV maintenance (preferably Schedule IV) shall be taken up for road test and defects noticed if any shall be recorded and attended.

V. **Inspection**: As Schedule III/IV maintenance is the major activity taken up for attending to all systems on the buses, it is necessary to cross check the quality of maintenance done through inspection of the buses after completion of Schedule III/IV maintenance by the officers and supervisors as furnished here under:

1. Sch III/IV incharge: To inspect all buses which have undergone Schedule III/IV maintenance on a given day.

2. Shift Supervisor: To ensure quality in Sch II maintenance, he/ she shall inspect at least one bus of each Sch II Mechanic after carrying out Sch II maintenance

3. Garage incharge: -
   - Must attend garage night shift for inspection once in a week.
   - To cross check atleast one bus of each Sch II Mechanic during night shift inspection.
   - To cross check atleast one bus after completion of Sch III/IV maintenance.

4. Depot manager: To cross check minimum 15 buses after Sch II maintenance, 10 buses after Schedule III and 5 buses after Schedule IV every month.

5. DyCME: To cross check the buses at random that have undergone Sch III/IV maintenance during the previous one week prior to the day of inspection in addition to inspection of 10% of the fleet during the inspection of Depots.

The Depot managers and Deputy Chief Mechanical Engineers are advised to ensure implementation of the revised maintenance schedules with immediate effect at all depots. Special attention shall be paid to carrying out RG works effectively to avoid online breakdown of buses and to satisfy the drivers. Garage supervisors shall be utilized to take feedback on the bus condition from the drivers and to ensure proper implementation of bus preventive maintenance schedules.

The Executive Directors (Zone) & Regional Managers are advised to review the backlogs in preventive maintenance schedules, if any, in the periodical review meetings and also during Depot inspections and take steps to clear such backlogs.

This circular supercedes all previous Circulars issued on preventive maintenance schedules.

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VICE CHAIRMAN & MANAGING DIRECTOR

To

Copy to All Regional Managers.

Copy to: Dir (V&S), ED (E), ED (O), ED (A), ED(C), FA & CAO for information.

Copy to: All Executive Directors of Zones for information and n/a.

Copy to: CME (M), CME(C&B), CE (IT), CCOS, CTM, CM(Comm.), CM(F&A), CM(P), CE(IE) for infn.

Copy to: All WMs,COSs, DyCMEs & DyCAOs for information and necessary action

Copy to: All Depot Managers & maintenance incharges for strict implementation.

Cir.no: 01/2019- MED Annexure - I

SCHEDULE - I MAINTENANCE :

1. Check all bolts and nuts of wheels, Axle shafts and PP shaft mounting etc,. and tighten if necessary
2. Check the condition of road springs and their mountings with attention to " U " clamps and " I " bolts. Attend if necessary.
3. Check tyre pressure by tapping, tyre damages, remove entrapped stones in the tyres
4. Any other item entrusted by mechanical supervisor

Cir.no:01/2019- MED Annexure -II

SCHEDULE - II MAINTENANCE :

1. Check and attend leakage of coolant, oils and fuel, top up if necessary. Check and report working condition of manometer in case of CNG buses.
2. Check the condition of fan belt and water pump and attend if necessary
3. Check and tighten all bolts and nuts of wheels, axles and PP shaft mountings. Check PP Shaft alignment and attend if necessary.
4. Check ignition coil , distributor and its HT cables/ wiring connections for CNG buses and attend if necessary.
5. Check and attend 3-way solenoid and its pipelines connections for proper fitment. Check and attend stepper motor/end speed governor for proper functioning in CNG buses.
6. Identification of RGs related to electrical, coach and upholstery and inform shift supervisor
7. Drain water from water separator. Clean the feed pump strainer and refit.
8. Drain air tanks for water if any. Check and rectify air leakages in brake system. Check cut in & cut out pressure and correct if necessary.
9. Lubricate all points
10. Clean all the breathers of engine, gear box, rear axle & FIP etc.
11. Carryout brake and steering test and attend defects noticed if any.
12. Check hand brake functioning and attend if necessary
13. Check road springs holding down bolts, spring brackets, shackles and shackle pins for proper tightness and attend if necessary
14. Check and adjust excess lateral and free play in accelerator, brake and clutch.
15. Check tightness of steering foundation bolts, drag link, tie rod end sockets play and attend if necessary
16. Check and attend fuel tank / CNG cylinder mounting brackets, air tank brackets
17. Check and attend all mechanical irregularities causing rapid tyre wear such as MA,CBW, HBP, MM, BB, BG etc. as pointed out by the tyre mechanic. Check and report KPP.
18. Check and attend tyre inflation. Replace worn smooth and punctured tyres
19. Clean air suspension bellow seating area on piston and adjust levelling valve to set bellow height
20. Check and attend all pipe line clamps of air & fuel lines and hose pipes clips
21. Check for proper functioning of all gauges in instrument panel and report if necessary
22. Check for proper functioning of air filter service indicator

23. Battery maintenance to be done.
24. Check and tighten chassis outrigger bolts.
25. Check and attend excess play in gear box , pinion , 1st and 2nd flanges.
26. Check and report excess play in steering cross.
27. Any other item entrusted by mechanical supervisor

Cir.no:01/2019- MED Annexure -III

SCHEDULE-III/IV MAINTENANCE:

MECHANIC-I :

1. Check radiator foundation, mounting bushes, radiator fins, hoses, inter cooler, turbo charger & stay rods and attend if necessary. Examine the radiator cap condition and replace if necessary. Arrest coolant leakages if any and top up.
2. Check condition of AC head coolant pipe and replace if necessary.
3. Remove alternator, self starter and re-fit after repairs and lubrication. Check fan belt tension, condition of belt tensioner and tightness of Alternator and Self Starter foundation bolts and attend if necessary.
4. Check road springs and holding down bolts, spring brackets, shackles and shackle pins for proper tightness and attend/replace, if necessary. In case of weveller springs, check and replace if necessary weveller rubber bushes.
5. Ensure fitment of correct size M14 bolts for spring brackets.
6. Check oil level in Engine, Gear Box, differential and clutch fluid and top up if necessary. Attend leakages if any. Check Engine oil pressure and attend if necessary
7. Check the condition of service indicator, inlet manifold hose and bend pipe at air filter assembly and attend/replace, if necessary. Clean air filters by rolling on plain surface & gently tapping
8. Check and adjust excess lateral and free play in accelerator and clutch. Check and attend accelerator ball joints, return spring.
9. Lubricate all greasing points i.e. pedal links, front springs, pp shafts, clutch withdrawal mechanism etc.
10. Check and change engine mounting pads, if necessary
11. Check water pump bearing play and change water pump if necessary
12. Tighten cylinder head nuts and adjust tappet clearance. Check FIP Timing by spill cut method in CMVR Vehicles and by Plunger lift checking for vehicles fitted with Rotary FIPs. Remove spark plugs, check gap and distributor timing and adjust if necessary.
13. Check for black smoke and attend if necessary.
14. Check PP shaft alignment, CJ mounting brackets, bearings, UJ crosses and attend if necessary
15. Clean Air breathers of Engine, Gear Box, Rear Axle and FIP.
16. Check diesel over flow pipe condition and replace if necessary.
17. Check clamping of all fuel lines and rubber ferrules / padding for injector pipes, replace if necessary
18. Check and clean silencer by tapping with mallet
19. Check all Air suspension system links, rubber bushes, air bellows, levelling valves, shock absorbers etc., of air suspension and rectify defects. Adjust air bellows height
20. Check gear box mounting , gear shift linkages, oil leakages and attend if necessary
21. Check rear axle oil leakages, pinion check nut and attend if necessary

22. Clean all engine and transmission related sensors and ensure proper fixing of related connectors
23. Drain water from water separator. Clean the feed pump strainer and refit.
24. Check and attend fuel tank / CNG cylinder holding bracket bolts.
25. Check for proper functioning of E.oil pressure gauge & Temp. gauge.
26. Check and attend Speed Limiting Device(SLD) system.
27. Remove and refit front bumper after attending damages if any.
28. Any other work entrusted by Mechanical supervisors

In addition to the above, the following works are to be attended by Mechanic-I in Sch IV:

1. Remove and refit radiator after cleaning fins.
2. Check working condition of thermostat and replace if necessary
3. Cooler plate cleaning to be done and also clean criss cross holes of engine
4. Functioning of feed pump to be checked and kit to be replaced if necessary
5. Remove and check the injectors for correct pressure and change if necessary. Ensure proper clamping for injector pipes.
6. Replace front two springs with re-conditioned springs. Check shackle pins, shackles, shackle beds of front two springs for wear and tear and replace if necessary.
7. Tighten all bolts and nuts pertaining to engine
8. Flush cooling system with flushing compound

MECHANIC-II :

1. Check for air leakages in brake system and attend. Check compressor performance, air build up time and replace AC head if required. Check working condition of both air gauges and replace, if necessary. Drain water from air tanks. Check air tank brackets and attend if necessary. Check condition of AC head outlet pipe and replace if necessary. Check and attend compressor oil seal leakage
2. Remove brake drums, check for scoring. Replace drum if necessary. Check for excessive wear of liners and change if necessary. Interchange the brake shoes from top to bottom. Matching of liners and drums to be ensured. Conduct brake test.
3. Check steering foundation bolts. drop arm. drag link & tie rod end sockets play. Steering cross and steering column bushes and attend if necessary. Check wheel alignment and adjust if necessary.
4. Check condition of Knuckle Arms and tighten the bolts of anchor plate and Knuckle arms. Replace bolts if necessary
5. Check front and rear hub play and adjust if necessary by using dial gauge with magnetic base. Check the condition of bearing grease, replace if necessary.
6. Dry hub setting to be done during grease change and ensure free rolling of hubs in every alternate schedule III.
7. Check kingpin play and replace bushes if necessary. Adjust king pin vertical play. replace thrust washer/bearing. Clean through hole of king pin for free lubrication and replace cotter bolt if necessary
8. Remove and refit rear bumper after attending damages.
9. Remove and refit spare wheel carrier with spare tyre after attending damages if any.
10. Check for internal and external leakages of air from DB valve, DDU, HBV & Brake Chambers etc., and rectify/replace

11. Check for radial and axial play in S cam shaft and attend if necessary. Check condition of rollers, fulcrum pins. Replace shoe return and retainer springs if necessary. Check brake pedal play and attend defects. Replace defective slack adjusters. And ensure proper brake adjustment.
12. Check condition of vehicle tools (jack , wheel box spanner) and replace if necessary
13. Ensure proper greasing of all greasing points viz... King pins, ABC pedal units, Tie rod & Drag link ends, S-Cam Shafts and Slack adjusters.
14. Check oil level in Power steering reservoir and arrest leakages in Reservoir, Steering box &Vane pump if any.
15. Check and attend ABS system. Remove, clean and adjust sensor gap.
16. Any other item of work entrusted by Mechanical Supervisor.

In addition to the above ,the following works are to be done by Mechanic-II in Sch IV:

- Remove brake "S" cam shafts, slack adjuster, needle bearings/derlin Bushes, replace if necessary duly ensuring full greasing to the brake components. Replace shoe return and retainer springs. Ensure no brake grabbing or brake binding
- Any other item of work entrusted by Mechanical Supervisor.

MECHANIC-III (for Sch IV only)

Works to be done by Mechanic-III in Sch IV:

1. Remove HSD tank, attend leakages, if any. Clean and replace strainer, clean tank by using rinsing method and remount after painting.
2. Clean baby filter and suction pipe up to feed pump.
3. Remove Gear box, clutch, check condition of pressure plate and clutch disc, flywheel, replace if necessary. Pressure plate checking to be done on clutch jig before fitment to vehicle. Lubricate release bearing, replace fly wheel ring gear if teeth are found damaged. Clean input/output sensors in case of Automated Manual Transmission (AMT) fitted vehicles. Replace kits of clutch master, slave cylinders and clutch booster, if necessary
4. Check for excess play in remote gear shift linkage mechanism and attend if necessary.
5. Check the selector mechanism of Gear Box top cover and ensure proper functioning. Check Gear box oil leakages and attend if necessary
6. Remove and replace thrust pad, if necessary.
7. Replace rear two springs with re-conditioned springs. Check shackle pins, shackles, shackle beds of rear two springs for wear and tear and replace if necessary.
8. Any other items of work entrusted by Mechanical Supervisor.

WORK LISTS OF ARTISANS IN SCHEDULE III/IV:

Cir.no:01/2019- MED Annexure -IV

ELECTRICIAN

1. Check all loose wiring and correct
2. Check and attend loose connections at Self starter switch, main light switch, switch boards, fuse box etc.
3. Check for jointing of wires by twisting, and correct with proper connectors only.
4. Check for tapping of power from other than the spare slots provided on the fuse box
5. Ensure that every tapping is done through fuse only.
6. Ensure firm fitment of the fuse box on dash board and fuses in the fuse carriers with out vibrations.
7. Ensure proper rating fuse for every load.
8. Ensure fitment of rubber grommet whenever cables are drawn through chassis or body holes to avoid damage to insulation leading to short circuits.
9. Carryout battery maintenance(includes proper packing and cradle movement) and bench charging during Schedule III/IV maintenance.
10. Check and carryout repairs to self starter ,alternator, horn and wiper.
11. Check the wiring harness and replace the defective / damaged wiring.
12. Ensure working condition of all head lights, tail lights, signal lights, roof lights, destination lights, LED destination boards.
13. Carryout head light focus test and adjust.
14. Ensure proper connections to all sensors, actuators, pressure switches, transducers, relays, fuses etc and rectify defects. And also ensure 4st relay in BS3 self starter.
15. Ensure proper functioning of cut off switch.
16. Ensure proper electrical connections to EMR and its relays and fuses.
17. Ensure proper working condition of dashboard panel indicators.
18. Ensure proper working condition of A/C alternator, blowers, condenser fans, compressor clutch coil, cab command panel, relays & fuses.
19. Ensure proper connections and working condition of audio, video, cell charger, mike and other electrical / electronic gadgets.
20. Check connections of RPM meter from alternator.
21. Check connection of KSB solenoid in rotary FIP.
22. Ensure proper connections at self starter, alternator.
23. Ensure proper earthing at self starter, alternator and body.
24. Any other work entrusted by supervisor

Cir.no:01 /2019- MED Annexure -V

TYRE MECHANIC

1. Check the tyres for defects like stone trapping, deep cuts, loose treads, bead damage, scoring, loose patches, tread separation, chipping etc and ensure prompt replacement on vehicles.
2. Check the tyres for uneven wear like camber wear, feather edges, spotty wear etc resulting from kingpin paly, mis-alignment, mis-matching, brake binding/grabbing, wheel bearing paly, sagging springs etc and ensure prompt rectification of defects on the vehicle.
3. All tyres to be removed from schedule III/IV vehicle, prepared as per procedure and ensure correct inflation of tyres for recommended pressures.
4. Carryout tube puncture repairs as per circular guidelines.
5. Ensure proper selection of tyres based on road condition.
6. Ensure fitment of New / 'F' mark tyres in front and spare position.
7. Ensure fitment of repair tyres at rear rightside position only.
8. Change front tyres to rear position at 6mm NSD and timely remove from bus at 2mm NSD.
9. Ensure tyre rotation / disc rotation of tyres as per instructions below:
10. New/ 'F' mark tyres shall be rotated from FOS to FNS and vice-versa with disc rotation during SCH-III and twice between SCH-III at 6,500 Kms interval to get even wear on the tyre.
11. Rear dual tyres shall be rotated in every Sch-III from RNS to ROS & ROS to RNS along with disc rotation and duly matching the dual tyres (If required replace with other matching tyre for preparing duals).
12. Ensure matching of dual tyres in rear position.
13. After fitment of front tyres, check and correct wheel alignment.
14. Ensure de-rusting of wheel discs, wheel rings and apply red oxide paint.
15. Segregate the tyres for repairs/ recapping
16. Any other work entrusted by supervisor.

Cir.no:01/2019- MED Annexure -VI

BLACKSMITH

1. Prepare springs with proper camber duly following circular instructions.
2. Carryout repairs to damaged bumpers.
3. Carryout repair to broken cross members and long members.
4. Prepare brackets for silencer pipes, mufflers, air pipes, fuel pipes etc.
5. Replacement of UJ cross kits on PP shafts.
6. Spherilastic bush replacement in air suspension linkages.
7. Any other work entrusted by supervisor.

Cir.no:01/2019- MED Annexure -VII

COACH BUILDER

1. Check and tighten all body U-bolts duly replacing the damaged balata packing.
2. Check & tighten the nuts/bolts of all cabin structural members.
3. Carry out repairs to the damaged structural components like outriggers, anti-sag bar, stanchions etc.,
4. Check all exterior/ interior panels for dents & scratches, remove the dents and refit or replace the damaged panels.
5. Check and attend window guard rail, rub rail, luggage carrier, step well, dicky/ luggage booth, battery box, all flap doors, passenger door, driver door, cowls, grills, bonnet, dash board, roof hatches etc.,and ensure free movement of cradle.
6. Check and attend all window glasses, top fixed glasses, wind screen glasses and replace worn out terene felt/flock channel, EPDM rubber, window sweep rubber etc
7. Check and attend mud guard flaps.
8. Check and attend head light and tail lamp seating area.
9. Check and replace the damaged window locks/ shutter knobs
10. Check and attend hand pole, parcel rack, arm slings etc.,
11. Check and attend seat frames (including driver seat & berth), replace broken / damaged seat frames. Tighten loose seat frame mounting bolts.
12. Check the inclining mechanism for AC,Super luxury & Ultra deluxe seats, replace the defective gas springs, knobs, replace damaged arm rest & pads, attend foot rests etc.,
13. Carry out repair to the damaged/ sunken flooring. Ensure fitment of three fluted strips along the gang way in case of worn out chequered sheets. Check and attend pedal flooring & foot rest.
14. Carry out repairs to the inspection covers for the gear box, air suspension etc.,
15. Check and attend the damaged AC louvers/ ducts etc.,
16. Check and replace damaged vision mirrors
17. Check and repair the destination frames and boards.
18. Check for water leakage if any in bus body and arrest leakage.
19. Replace the damaged ABS covers/ panels/ window finishers.
20. Carry out repairs to / replace FRP components as per the circular guidelines.
21. Any other work entrusted by Supervisor.

The works like attending pillars, cross members, floor longitudes, gussets, roof sticks, waist rail, cant rail, seat rail etc shall be attended as HRG.

Cir.no:01/2019- MED Annexure -VIII

TRIMMER

Check the condition and repair / replace the following:

1. Seat bottoms (Rexine cover , Cushion & Plywood)- Removal / fitment
2. Back rests (Rexine, Cushion, Plywood / ABS sheet)- Removal / fitment
3. Seat fabric
4. Driver seat
5. Head rest covers
6. Window curtains
7. Magazine pouches & bottle holders
8. Saloon fabric / vinyl mat
9. Any other work entrusted by supervisor.

Cir.no:01/2019- MED Annexure -IX

PAINTER

1. Ensure painting & touch up of exterior & interiors (including seat frames, dash board, bonnet etc.,).
2. Apply paint to luggage carrier, back sides of all flap doors periodically.
3. Apply anti corrosive paint to MS components of cabin, saloon under frame and chassis long members / cross members.
4. Apply PU paints to high end buses using spray painting technique as per the circular instructions.
5. Apply putty to cover up the minor dents / scratches and repaint the surfaces with matching colour.
6. Write slogans, seat numbers, registration number etc., with paint brush as per the circular instructions.
7. Paint destination boards, timing boards.
8. Carry out full painting during F.C as per circular instructions duly carrying out surface finishing with sanding machine.
9. Apply paint with matching colour whenever panels are replaced (or) any repair work is done by coach builders duly carrying out surface finishing with sanding machine.
10. Full painting to be done during every Sch IV (Other than high end buses).
11. Ensure RTC monogram and depot monogram depending on type of bus.
12. Ensure fixing of retro reflective tapes.
13. Any other painting/ letter writing work entrusted by Supervisor.

9/1/19