



ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

TL8/843(8)/2018-MED

Office of VC&MD,
RTC House, VJA,
Dt. 01.08.2018.

To
All Regional Managers,
APSRTC.

Sub: **Vehicles**: - Refurbishing/Selective Body Repairs (SBR) on AC & NON-AC
Special type buses – Guidelines issued - Regarding.

Ref: Circular No.19/2015-MED, dt 27.11.2015.

APSRTC is operating 270 AC buses and 4512 Non-AC special type buses to meet the travelling needs of high-end commuters. All these buses shall make profits and contribute to compensate the losses of TVG and City services.

It is pertinent to mention that all AC buses and Non-AC special type buses shall be operated with good mechanical & body condition. The new buses require selective body repairs/refurbishing at 7-9 lakh kms to maintain good looking bus interior, re-paneling & exterior painting. This will enable the Corporation to retain the high end customers and maintain high occupancy.

The VC&MD has reviewed the status of the special type buses requiring Refurbishing/Selective Body Repairs (SBR). i.e., AC (44) & NON-AC (574). It is proposed to take up Refurbishing/Selective Body Repairs on AC & Non-AC special type buses during the current slack season as done in 2017-18.

The **list of works** to be done under refurbishing & selective body repairs and **criteria to be followed** for selecting buses are enclosed herewith and summary at Corporation level is given below.

Type of bus	Buses for Selective body repairs	Buses for Refurbishing	SBR cost per bus Rs. lakhs	Refurbishing cost per bus Rs. lakhs	Total Amount Rs. lakhs
Garuda+	6	0	5.00		30.00
Garuda	6	0	4.50		27.00
Indra	0	32		4.08	130.56
Slux	93	122	1.00	2.10	349.20
Udlx	4	80	0.80	1.70	139.20
Exp	52	223	0.60	1.45	354.55
Total	161	457			1030.51

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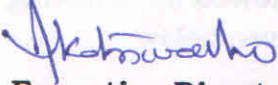
The CPK on Refurbishing/SBR on AC buses works out to **58 ps/km** which is much less than the basic fare of Garuda+, Garuda & Indra products. Similarly CPK on Refurbishing/SBR on Non-AC buses is **17 ps/km** only. It is evident from the above details that the amount proposed for spending on body refurbishing and SBR is very meager when compared to the benefits derived in the form of improved occupancy for the improved patronage from commuters.

Therefore, all RMs are requested to encourage Dy.CMEs, DMs & Garage Incharges to take up refurbishing & SBR works on all the high end buses during the current slack season and complete the works by the end of Dec'18. This will enable the Corporation to operate high end buses to the full satisfaction of high end passengers in the next peak season.

CME(C&B) will provide all the assistance required by the Depots on the following aspects to complete the task as per the plan.

1. Sources/Workshops/Firms to take up the full load of SBR/Refurbishing.
2. Supply of materials from Zonal Stores to take up these works at regional level and Zonal Work Shops.
3. Stage wise inspection of AC buses at outside firms to ensure quality by C&B section supervisors.
4. Sufficient sources for painting of GI bodies under Supply & Apply scheme.
5. Scrutiny of proposals and obtaining sanction from competent authority.
6. Making payment for SBR/Refurbishing works done on AC buses at HO level.

Hence, all the Regional Managers are requested to complete Refurbishing/Selective Body Repairs (SBR) on AC & NON-AC Special type buses duly following the above guidelines before 31-12-18.


Executive Director (E&IT)

Copy to: ED (O&M), ED Zones (VJA, NLR, KDP, VZM) for information.

Copy to: Secy. to VC&MD with a request to appraise the same to VC&MD.

Copy to: All Dy.CMEs & WMs for n/action.






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PNB VJAWADA

Criteria for Selection of Buses for Refurbishing/SBR

Bus type	AC buses Life							Total	Avg life
	<7	7--8	8--9	9--10	10--11	11--12	> 12		
Garuda Plus	0	0	0	1	1	2	16	20	12.75
Garuda	35	2	2	0	0	6	26	71	7.20
Indra	3	7	25	22	18	7	5	87	8.62
Total	38	9	27	23	19	15	47	178	

Bus type	Non-AC buses Life							Total	Avg life
	<5	5 - 6	6--7	7--8	8--9	9--10	>10		
S. Lux	784	51	56	51	71	93	188	1294	4.92
U. Dlx	405	27	33	51	29	4	7	556	3.18
Express	784	25	15	77	146	52	14	1113	3.88
Total	1973	103	104	179	246	149	209	2963	

Criteria:

1. AC Buses of 7-9 lakh kms for refurbishing (36 nos)
2. AC buses of 9-12 lakh kms for selective body repairs (57 nos)
3. Non-AC buses of 7-9 lakh kms for refurbishing (425)
4. Non-AC buses of 9-10 lakh kms for selective body repairs (149)
5. The vehicles which are already under taken for Refurbishing/SBR during 2017-18 need not be considered.
6. The replaced AC/Non-AC buses shall not be taken for Refurbishing/SBR

List of works for AC Buses

S.no	Repair Works	Refurbishing	SBR
1	Replacement of rusted/broken pillars, waist & cant rails.	✓	
2	Replacement of stretch panel with new one on both LHS & RHS	✓	
3	Repair/replacement of modular panels (below stretch panels) on both sides.	✓	✓
4	Roof top GI sheet repairs at welded joints & AC mounting repairs	✓	✓
5	Replacement of AC duct cum hat-racks with new ones	✓	✓
6	Replacement of front & rear FRP cowls with new ones	✓	✓
7	Replacement of total vinyl flooring	✓	
8	Replacement/repair of interior roof & side panels	✓	
9	Dashboard frame repairs & replacement of sheet	✓	✓
10	Bonnet structure repairs. Replacement of bonnet if necessary.	✓	✓
11	Driver Cabin structure and saloon partition repairs	✓	✓
12	Replacement of seat fabric, seat bottom cushions, reclining knobs, bottle holder, ABS back cover, arm rest pads, rubber foot rests etc.	✓	✓
13	Removal, servicing & fitment of roof mounted AC unit, blower motors etc.,	✓	

List of works for Non-AC Buses

S.no	Repair Works	Refurbishing	SBR
1	Replacement of rusted/broken pillars, waist & cant rails.	✓	
2	Replacement of stretch panel with new one on both LHS & RHS	✓	
3	Repair/replacement of modular panels (below stretch panels) on both sides.	✓	✓
4	Roof top GI/Alu sheet repairs at welded joints	✓	✓
5	Replacement of front & rear FRP cowls with new ones	✓	✓
6	Replacement of total vinyl/Alu. flooring	✓	
7	Repairs to the luggage booths flooring, flap doors and locking system	✓	
8	Replacement/repair of interior roof & truss panels	✓	
9	Dashboard frame repairs & replacement of GI sheet	✓	✓
10	Bonnet structure repairs. Replacement of bonnet if necessary.	✓	✓
11	Driver Cabin structure and saloon partition repairs	✓	✓
12	Replacement of seat fabric/rexin, seat bottom cushions, reclining knobs, bottle holder, ABS back cover, arm rest pads, rubber foot rests etc.	✓	✓