

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

MECHANICAL ENGINEERING DEPARTMENT RTC HOUSE, VIJAYAWADA – 520013.

No. OP3/HIRE BUSES/2022-MED.

Date: 12.07.2022.

CIRCULAR No. 11/2022-MED, Dt :12.07.2022

Sub:-HIRING- Hiring of vehicles — Nomination of committee for inspection of Hire buses in the Re-organized Zonal & District set up- Reg.

Ref: 1. G.O.Ms. Nos 173 to 198, Revenue (lands-IV), 2nd April, 2022 issued by Govt. of A.P.

2. Proceedings No E4/255(01)/2022-PO-II Dated. 13.04.2022 -oOo-

APSRTC has been taking buses under Hire scheme from willing entrepreneurs since 1979 in order to reduce the cost of operation and also to induct new fleet into the Corporation to have a better ride to the fare paying passengers. Successful bidders identified through tenders will be allotted Hire buses and the Hire buses so produced after body fabrication will be inspected by the Regional Level Committee during New buses induction and also during every refurbishing done as per the schedule communicated in tenders for various types of buses.

During the recent MSTC VI Hire Tender called in the month of April 2022, A/C sleeper, Non-AC sleeper and Ultra Pallevelugu buses were also included. The agreement period of the MSTC VI tender Hire buses is furnished hereunder:

Type of Hire Bus	Agreement period for new buses of 2022
AC Sleeper/Non AC Sleeper/Indra/Super luxury/Ultra Deluxe/Express	Initially, for 4 years from the date of introduction and extendable by 2 years / upto 10 lakh kms, whichever is earlier, subject to complete refurbishing after 4 years (4+2).
Ultra Pallevelugu/ Pallevelugu/ Metro Express & City Ordinary	Initial period of 4 years from the date of introduction, extendable by 2 years and extendable by another 2 years subject to complete refurbishing. (4+2+2)

Vide G.O.Ms. Nos 173 to 198, Revenue (lands-IV), 2nd April, 2022 issued by Govt. of A.P, Restructuring of Districts / formation of New Districts commenced w.e.f 04.04.2022, earlier 13 Districts restructured to 26 Districts.

Vide reference 2nd cited, Officers were posted as DPTOs to head the 26 restructured Districts in AP PTD /APSRTC duly reallocating RMs/SSOs/JSOs. Further, vide Circular No PD-03/2022, dated.19.04.2022, instructions were issued on Reorganization of Zonal and Regional set up in APSRTC in the lines of Govt. of A.P.

In the erstwhile Region set up, at Regional Level, a committee comprising of RM, Dy.CME, Dy.CTM of respective Regions inspected the Hire Buses at the time of production of new buses, after completion of prescribed period. In view of Reorganization of Zonal and District set up in APSRTC, most of the Dy.CMEs/Dy.CTMs are working under the administrative control of ED Zones.

In view of the above, the following committee is nominated for inspection of Hire buses at various stages as furnished below:

S.No	Description	Committee
		1.DPTO
1	New Hire Buses	2. Dy.CTM of District/Dy.CTM(O&C)-Zone
-		3. Dy.CME of District/Dy.CME(Zone)
2	After 4 years completion	1.DPTO
	of agreement	2. Dy.CME of District/Dy.CME(Zone)
	After 6/8 years	1.DPTO
3	completion of agreement	2. Dy.CME of District/Dy.CME(Zone)
4	At the time of FC	1. DM concerned
5	At the time of complaint on bus conditions	DM concerned

The inspection format for all types of vehicles viz. City Ordinary, Pallevelugu, Ultra Pallevelugu, Metro Express, Express, Ultra Deluxe, Super Luxury, Non-AC sleeper, Indra and AC sleeper are enclosed at Annexure 1 to 10. The format for inspection of the Hire buses during FC renewal and at the time of inspection after refurbishing are enclosed Annexure 11 to 12.

The above instructions shall come into force with immediate effect. All the Executive Directors(Zones) and DPTOs shall ensure that the system is implemented effectively at all the Districts without any deviation.

EXECUTIVE DIRECTOR (Engineering)

Copy to: ED (A), ED (O), FA&CAO for information.

Copy to: EDs-Zone I/II/III/IV for information.

Copy to: DPTOs, DyCMEs, DyCTMs and DyCTM(O&C)s for necessary action.

Copy to: Depot Managers for necessary action.

			re Buses of Tender MSTC-VI - CITY	ORDINARY-2022
1	VEHICLE NO:	_	CHASSIS MAKE :	
2	NAME OF THE OWNER:	9	WHEEL BASE:	
3	DATE:		SEATING CAPACITY: 46 FOR TATA,48 FOR EYLAN	D & 49 FOR EICHER+ 1
4	DEPOT:		MODEL :	
5	REGION:		CHASSIS NO: ENG.NO:	
6	TYPE OF BODY:METRO EXPRESS	_	YEAR OF MANUFACTURING:	
7	NAME OF THE FABRICATOR	14	Wheather the fabricator is approved fabricator / not	
		-	Tabricator / Hot	
SI. NO			SPECIFICATIONS	REMARKS
1	Body Structure		M.S. rolled sections & GI pressed sections for	
			under frame, ALu.extruded sections for side	
			& roof structure	
2	Body panels Exterior		Aluminium sheets 1.22 mm pasting with VHB	
			TAPE & PU Sealants on side and solid rivetting	
		-	on roof.	
3	Body panels Interior		Stain less Steel 0.7 mm of 430 Grade and	
			Scotch brite finish with solid rivetting for	
			TrussPanel, Stain less Steel 0.5 mm of 430	
			Grade and Scotch brite finish with pasting	
			for pillar finishers. Roof panelling in 20 G	
		L	(0.91 mm)Alu. Sheet	
4	Saloon & cabin floor sheet		Alu.5bar cheq.sheet 3.0 ± 0.13 mm	
5	Rear Overhang		3327 mm for Tata, 3383 mm for AL and 3504	
			for Eicher	
6	Overall width of body		2590 mm +/- 10 mm	
7	Pillar Center distance (Standard)		1130mm +/- 5 mm	
8	Clear width of Front & Rear Pasenger		Clear aperture of passenger service door	
	Entrance (Without doors)		Minimum-650 mm	
9	Clear height of Passenger entrance		2150 mm min +/- 10 mm	
10	First step height from ground		400 mm max.	
11	Stepwell tread width		Min 300 mm (overall)	
12	Interior saloon height		1900 ± 05 mm	
13	No of seats		46+1 for TA,47 +1 for AL &49+1 for EICHER	
14	Seating pattern		2 x 2	
	Seat span		min 508 mm	
	Seat pitch		min 700 mm	
17	Knee Room		min 280 mm	
18	Gang way	+	min 450 MM	
19	Seat frames	1	ERW 25 ODx 2 mm pipes with provision for	
17	Jeac Hames		advertisement on back side and powder	
			coated	
20	Bottom cushion size 6-seater - PU Foam	+	2440X380X90/65MM(+/-5MM)	
20	Socioni cusmon size o scater - Fo rodin		2.1.00.00000000000000000000000000000000	
21	Bottom cushion size 2-seater - PU Foam	+	813x380x90/65 mm (+/- 5mm)	
		1		
22	Bottom cushion size 1-seater - PU Foam		500x400x90/65 mm(+/- 5 mm)	
23	Back rest PU Foam(Individual)	+	1. 2440(L)X455(H)X30 (+/- 5 mm) mm base	
23			thickness for Six seater.	
			2.	
			813(L)X455(H)X30 (+/- 5 mm)mm base	
			thickness for two seater.	
24	Soat revene	+	CHARCOAL GREY	
25	Seat rexene Plywood for Bottom seats & Back rests	-	8 mm Ply wood to be provided.	
26	Type of windows	1	Swaraj Mazda type with a provision to remove	
20	Type or willdows		glasses without removing frame (Marcopolo	
		1	type)	

27	Finishing of window frames	Black Powder Coating	
28	Window guard rail pipes	20 mm dia x 1.6 mm th stainless tubes in two	
	3	rows	
29	Driver baricade & assist rails	25 mm dia x 1.6 mm th stainless tube	
30	Stanchions	38 mm dia x 1.6 mm th stainless tube	
31	Roof hand rail	25 mm dia x 1.6 mm th stainless tube	
32	Fitment of stanchions & assist rails	Poly propolene / NYLON/Steel sockets	
33	Location of Battery box	Below floor level behind FNS wheel	
34	Interior paneling of battery box	0.91 GI panneling overlaid with 0.5 mm SS	
٠.	miletion parieting or succes, sox	sheet and with sliding mechanism	
35	Roof lights	8 Nos LED light assemblies of 390 mm length	
		x 130 mm width out of which two asseblies	
		shall have in-built night lamps in blue colour	
36	Window Sliding shutter glass size & colour	600 mm (H) x 540 mm(W) x 5.0 mm (T)	
		toughened glass in bronze tinted for STD 1130	
		mm bay	
37	Front windshield glasses	Twin curved laminated glasses of 1220 mm x	
	·	1020 mm x5.76 mm size of make DURASAFE,	
		DURATUF, ATULTEMP, REALSAFE, SECURE,	
		SECURIT & GSC	
38	Cab door glasses	Clear toughened glasses	
39	Rear saloon glasses	Toughned clear glass of Size:1760x800x5 mm	
40	Amlifier /MP3 Player & Speakers	Ahuja make DPA 570 / 370 models OR Sony	
	, ,	make Digital Media Player of DSX - A100U	
		Model. 5 nos speakers to be provided	
41	Driver partition with route cum timing	To be provided	
	board to be provied		
42	Destination Boards	Front & Rear LED destination Boards.	
43	Driver seat	HDPE Knitted - Haritha & Pinacle make	
	Electrical Fittings		
44	Head Lights	4 nos to be provided	
45	Parking lights & Indicator lights	LED 2 NOS at front 2 nos at rear	
46	Tail lamps	LED Lights 5" dia 3 nos on each side	
47	Height Marker Lamps	LED 2 nos in white at front 2 nos in red at rear	
48	Body side Indicators	4 Nos of LED lights to be provided in Amber	
		colour	
49	Reverse horn	To be provided	
50	Cabin / step well lights	LED to be provided	
51	Wind sheild wiper	Electrical - supplied along with chassis	
	Misclleneous items		
52	Rear view mirrors	2 nos supplied with chassis	
53	Cabin mirror	one convex mirror to be fitted inside driver	
		cabin	
54	Front centre mirror	one convex type mirror to be fitted at outside	
		of front end (center) for near vision of road	
		at front	
55	Fire exstinguisher	B&C Class 6kg & 4kgs capacity 2 nos, Total of	
	-	10kgs to be provided	
56	TIM Charger	To be provided at Conductor seat side wall	
57	TIM Charger Box in SS sheet	To be provided at Conductor seat side wall	
-		,	
58	Water Bottle Holder in SS Sheet	To be provided at Conductor seat side wall	
		F	
59	First aid box with medicines	To be provided	
	First aid box with medicines Wheel Arch Boxes Panelling.	To be provided GI sheet 1.6 mm over laid with 2.00 Alu Chq	

61	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust
		converter area .Min Size 500 x 500 mm
62	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door
		size Min 300 x 300 mm
63	Urea Tank servicing opening provision in	Urea Tank servicing opening provision to be
	side the body on floor	provide with a min Size of 500 X 275 mm in
		side the body on floor level.
64	EATS Protection from painting	Chassis paint should not be sprayed over the
		EATS system.
65	DAT,ATF Oil tank & Air Cleaner Servicing	DAT & ATF oil ,Air Cleaner Servicing doors to
	doors	be provided.
66	Safety belt for driver & conductor	To be provided
67	Disply of all slogans, seat nos and lables	To be provided
68	Ladies partition	To be provided
69	Spare wheel with carrier and tools	To be provided
70	Sharpe edges and protrusions	To be eleminated
71	Curtain for Driver partition	To be provided
72	Window sliding shutter moment	To be free
73	Overall finish	To be satisfactory
74	Body painting & colour scheme	As per approved colour scheme
75	APSRTC' Stickering on front wind screen	Times new roman' font without dots in
	glass and other monogram & depot slogans	
		between letters as communicated by APSRTC
		and all stickering work to be done.

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

			lire Buses of Tender MSTC-VI - PALI	LEVELUGU-ZUZZ
1	VEHICLE NO:		CHASSIS MAKE :	
2	NAME OF THE OWNER:	9	WHEEL BASE:	
3	DATE:		SEATING CAPACITY: 55+ 1 DRIVER FOR TA &AL,5	8+1 FOR EICHER
4	DEPOT:	4	MODEL :	
5	REGION:		CHASSIS NO: ENG.NO:	
6	TYPE OF BODY: PALLE VELUGU	_	YEAR OF MANUFACTURING:	
7	NAME OF THE FABRICATOR	14	Wheather the fabricator is approved	
			fabricator / not	
I. NO			SPECIFICATIONS	REMARKS
1	Body Structure		M.S. rolled sections & GI pressed sections for under frame, ALu.extruded sections for side & roof structure	
2	Body panels Exterior		Aluminium sheets 1.22 mm pasting with VHB TAPE & PU Sealants on side and solid rivetting on roof.	
3	Body panels Interior		Stain less Steel 0.7 mm of 430 Grade and Scotch brite finish with solid rivetting for TrussPanel, Stain less Steel 0.5 mm of 430 Grade and Scotch brite finish with pasting for pillar finishers. Roof panelling in 20 G (0.91 mm)Alu. Sheet	
4	Saloon & cabin floor sheet		Alu.5bar cheq.sheet 3.0 ± 0.13 mm	
5	Rear Overhang		3327 mm for Tata, 3383 mm for AL and 3504 for Eicher	
6	Overall width of body	T	2590 mm +/- 10 mm	
7	Pillar Center distance (Standard)	T	1130mm +/- 5 mm	
8	Clear width of Middle Pasenger Entrance (Without doors)		Min clear aparture 1300 +/- 10 mm	
9	Clear height of Passenger entrance		2150 mm min +/- 10 mm	
10	First step height from ground		400 mm max.	
11	Stepwell tread width		Min 300 mm (overall)	
12	Interior saloon height		1900 ± 05 mm	
13	No of seats		55 +1 (driver)for TA,AL,58+1 for Eicher	
14	Seating pattern		2 x 3	
15	Seat span		min 530 mm	
16	Seat pitch		min 740 mm	
17	Knee Room		min 280 mm	
18	Gang way		min 450 MM	
19	Seat frames		ERW 25 ODx 2 mm pipes with provision for	
			advertisement on back side (with powder	
			coating)	
20	Bottom cushion size 3-seater - PU Foam		1200x 380x90/65 mm (+/- 5mm)	
21	Bottom cushion size 2-seater - PU Foam		813x380x90/65 mm (+/- 5mm)	
22	Bottom cushion size 1-seater - PU Foam		406x380x90/65 mm(+/- 5 mm)	
23	Back rest PU Foam(Individual)		1. 1200(L)X455(H)X30 (+/- 5 mm) mm base thickness for three seater. 2. 813(L)X455(H)X30 (+/- 5 mm)mm base thickness for two seater.	
24	Seat rexene	1	CHARCOAL GREY	
25	Plywood for Bottom seats & Back rests	1	8 mm Ply wood to be provided.	
26	Type of windows		Swaraj Mazda type with a provision to remove glasses without removing frame (Marcopolo type)	

Slack Powder Coating	27	Finishing of window frames	Б	Nack Powder Coating	
All staniness steel tubes of 16 mm dia x 1.6 mm mm hick and tack welded with Stanines steel Bracket. 20 mm dia x 1.6 mm th staniness tubes in two rows of the staniness tubes of the staniness tubes. The staniness tubes of the staniness tubes of the staniness tube. 31 Driver baricade & assist rails. 32 Stanichions. 33 Roof hand rail. 42 Smm dia x 1.6 mm th staniness tube. 43 Fithment of stanichions & assist rails. 44 Pithment of stanichions & assist rails. 45 Smm dia x 1.6 mm th staniness tube. 46 Smm dia x 1.6 mm th staniness tube. 47 Smm dia x 1.6 mm th staniness tube. 48 Fithment of stanichions & assist rails. 49 Spot propoleer. PITO/IO/N5/teel sockets. 50 Location of Battery box. 51 Smm dia x 1.6 mm th staniness tube. 52 Smm dia x 1.6 mm th staniness tube. 53 Smm dia x 1.6 mm th staniness tube. 54 Smm dia x 1.6 mm th staniness tube. 55 Smm dia x 1.6 mm th staniness tube. 56 Smm dia x 1.6 mm th staniness tube. 56 Smm dia x 1.6 mm th staniness tube. 57 Smm dia x 1.6 mm th staniness tube. 58 Smm dia x 1.6 mm th staniness tube. 59 Smm dia x 1.6 mm th staniness tube. 50 Smm dia x 1.6 mm th staniness tube. 50 Smm dia x 1.6 mm th staniness tube. 50 Smm dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 50 Tom dia x 1.6 mm th staniness tube. 51 Tom dia x 1.6 mm th staniness tube. 52 Smm dia x 1.6 mm th staniness tube. 53 Cabin / step vell tights. 54 Tom dia x 1.6 mm th staniness tube. 55 Lugage booth Lights. 56 Tom dia x 1.6 mm th staniness tube. 57 Rear vice mintrors. 58 Cabin / step vell tights. 59 Front center mirror. 50 Tob provided at Conductor seat side wall.		Finishing of window frames			
mm thick and tack welded with Stainless street Bracket. 30 Window guard rail pipes 31 Driver baricade & assist rails 32 Stanchions 33 Roof hand rail 34 Fittment of Stanchions & 38 mm dia x 1.6 mm th stainless tube 35 Location of Battery box 36 Interior paneling of battery box 36 Interior paneling of battery box 37 Roof lights 38 Window Stiding shutter glass size & colour 39 Window Stiding shutter glass size & colour 30 Window Stiding shutter glass size & colour 30 Front windshield glasses 31 Front windshield glasses 32 Front windshield glasses 33 Front windshield glasses 34 Front windshield glasses 35 Front windshield glasses 36 Front windshield glasses 37 Front windshield glasses 38 Window Stiding shutter glass size & colour 39 Front windshield glasses 40 Ent door, cab door glasses 40 Driver partition with route cum timing board 41 Poestination Boards 42 Antifier & Speakers 43 Driver partition with route cum timing board 44 Destination Boards 45 Lugage carrier and landing platform 46 Ludder 47 Driver seat 48 Head Lights 49 Parking Lights & Indicator Lights 40 Lights 41 Head Lights 41 Head Lights 41 Head Lights 42 Reverse horn 43 Lights 44 Destination Boards 45 Lugage booth Lights 46 Ladder 47 Driver seat 48 Head Lights 40 Destination Boards 40 Destination Boards 41 Nos of LeD Lights to be provided 42 Destination Boards 43 Lights & Indicator Lights 44 Destination Boards 55 Lugage booth Lights 56 Lights be indicator lights 57 Rear view mirrors 58 Cabin intrivor 59 Front center mirror 50 Lugage booth Lights 50 Lugage booth Lights 51 Height Marker Lamps 52 Lugage booth Lights 53 Cabin intrivor 54 Lugage booth Lights 55 Lugage booth Lights 56 Lights to be provided 57 Rear view mirrors 58 Cabin intrivor 59 Front center mirror 50 Lugage booth Lights 50 Lugage booth Li					
20 mm dia x 1.6 mm th stainless tubes in two rows	29	Parcel rack tubes	n	nm thick and tack welded with Stainless	
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25 mm dis x 1.6 mm th stainless tube	31	Driver baricade & assist rails	2	5 mm dia x 1.6 mm th stainless tube	
Interior of stanchions & assist rails Poly propolene / INVLOW/Steel sockets	32	Stanchions	3	8 mm dia x 1.6 mm th stainless tube	
Security	33	Roof hand rail	2	5 mm dia x 1.6 mm th stainless tube	
19	34				
Sheet and with sliding mechanism Shoet End light assemblies of 390 mm length x 130 mm width out of which two asseblies shall have in-built night lamps in blue colour 500 mm (H) x 940 mm(My) x 5.0 mm (T) toughened glass in bronze tinted for STD 1130 mm bay 5.7 mm size of make DURASAFE, DURATUR, ATULTEMP, REALSAFE, SECURE, SECURE G. SEC	35				
130 mm width out of which two asseblies shalt have in-built night lamps in blue colour	36		s	heet and with sliding mechanism	
toughened glass in bronze tinted for STD 1130 mm bay mb bay Front windshield glasses Twin curved laminated glasses of 1220 mm x 1020 mm x5.76 mm size of make DURASAFE, DURATUP, ATULTEMP, REALSAFE, SECURE, SECURT & GSC 40 Ent door, cab door glasses Clear toughened glasses Toughned clear glass of Size:1760x800x5 mm 41 Rear saloon glasses Toughned clear glass of Size:1760x800x5 mm 42 Amlifier & Speakers Ahuja make DPA 570 / 370 models OR Sony make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided 43 Driver partition with route cum timing board 44 Destination Boards Front & Rear LED destination Boards. 55 Lugagae carrier and landing platform To be provided To be provided To be provided 40 Driver seat Electrical Fittings 41 Anos to be provided 42 Anos to be provided 43 Parking lights & indicator lights ELED 2 nos in white at front 2 nos at rear ELED Lights 5" dia 3 nos on each side ELED 2 nos in white at front 2 nos in red at rear Eleght Marker Lamps ELED 2 nos in white at front 2 nos in red at rear Eleght Marker Lamps ELED 2 nos in white at front 2 nos in red at rear Electrical Fittings 4 Nos of LED lights to be provided ELED 2 nos in white at front 2 nos in red at rear Electrical - supplied along with chassis ELED 1 Lugagae booth Lights 6 Nos of LED lights to be provided Electrical - supplied along with chassis Miscleneous items Front center mirror One convex type mirror to be fitted inside driver cabin one convex mirror to be fitted at outside of front end (center) for near vision of road at front Electrical - Supplied with chassis Electrical - supplied at Conductor seat side wall To be provided at Conductor seat side wall ELED To be provided at Conductor seat side wall To be provided at Conductor seat side wall To be provided at Conductor seat side wall	37	Roof lights	1	30 mm width out of which two asseblies shall	
1020 mm x5.76 mm size of make DURASAFE, DURATUF. ATULTEMP, REALSAFE, SECURE, SECURT in GSC SECURIT in GSC SEC	38	Window Sliding shutter glass size & colour	t	oughened glass in bronze tinted for STD 1130	
41 Rear saloon glasses Anulifier & Speakers Anulifier & Speakers to be provided Anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speakers to be provided anulifier & Speake	39	Front windshield glasses	1 D	020 mm x5.76 mm size of make DURASAFE, DURATUF, ATULTEMP, REALSAFE, SECURE,	
Antifier & Speakers Antija make DPA 570 / 370 models OR Sony make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided Driver partition with route cum timing board Destination Boards Front & Rear LED destination Boards. Luggage carrier and landing platform Ladder To be provided Total 4 bays Luggage carrier and landing platform HDPE Knitted - Haritha & Pinacle make Electrical Fittings LED 2 NOS at front 2 nos at rear LED Lights 5" dia 3 nos on each side LED 2 nos in white at front 2 nos in red at rear 2 nos provided 3 Cabin / step well lights LED 2 nos in white at front 2 nos in red at rear 2 nos supplied with chassis 3 Cabin service with red 2 nos in red at rear 3 Cabin mirror 2 nos supplied with chassis 3 Cabin mirror 3 nos convex type mirror to be fitted at outside of front end (center) for near vision of road at front 3 front 3 Cabin mirror 4 Nos of LED lights to be provided 5 Nos of LED lights to b	40	Ent door, cab door glasses	C	lear toughened glasses	
make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided To be provided To be provided Destination Boards Front & Rear LED destination Boards. Luggage carrier and landing platform Total 4 bays Electrical Fittings Hong Destination Boards Parking Lights & Indicator Lights LED 2 NOS at front 2 nos at rear Electrical Fittings LED Lights 5' dia 3 nos on each side Tall lamps LED Lights 5' dia 3 nos on each side LED 2 nos in white at front 2 nos in red at rear Eleight Marker Lamps LED Lights 5' dia 3 nos on each side LED 2 nos in white at front 2 nos in red at rear LED Lights 6' LED Lights be provided A Nos of LED Lights to be provided In Amber colour LED Luggage booth Lights Electrical - supplied along with chassis Misclleneous items Misclleneous items To ne convex mirror to be fitted at outside of front end (center) for near vision of road at front end center for near vision of road at front end center for near vision of road at front end center for near vision of road at front end center	41				
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63 Water Bottle Holder in SS Sheet To be provided at Conductor seat side wall	61	TIM Charger	T	o be provided at Conductor seat side wall	
	62	TIM Charger Box in SS sheet		•	
64 First aid box with medicines To be provided	63	Water Bottle Holder in SS Sheet		-	
	64	First aid box with medicines	T	o be provided	

65	Wheel Arch Boxes Panelling.	GI sheet 1.6 mm over laid with 2.00 Alu Chq	
66	Luggage booth Flap doors in Alu	Alu.Sheet 1.6 mm to be provided for Flap door	
67	Rear & Side Luggage booths	Left Side ,Rear side & Rear right side Extention with Rear Luggage booth to be provided with flap doors	
68	Pneumatic door System	Passenger entrance with JK doors and Pneumatic system operated by Driver with lever.	
69	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust converter area .Min Size 500 x 500 mm	
70	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min 300 x 300 mm	
71	Urea Tank servicing opening provision in side the body on floor	Urea Tank servicing opening provision to be provide with a min Size of 500 X 275 mm in side the body on floor level.	
72	EATS Protection from painting	Chassis paint should not be sprayed over the EATS system.	
73	DAT, ATF Oil tank & Air Cleaner Servicing doors	DAT & ATF oil ,Air Cleaner Servicing doors to be provided.	
74	Safety belt for driver & conductor	To be provided	
75	Courier Box	Courier box to be proved at LHS Parcel Rack	
76	Side & Rear Luggage booth flooring	2 mm Alu.Cheq .sheet to be fitted	
77	Driver Cabin fan	24Volts 8" dia Fan to be provided	
78	Foot Board centre Assit rails in wider middle door	E2 Nos 38 mm SS Pipes with "S" type connecting pipe of 25mm in Center to be provided	
79	Disply of all slogans, seat nos and lables	To be provided	
80	Spare wheel with carrier and tools	To be provided	
81	Sharpe edges and protrusions	To be eleminated	
82	Window sliding shutter moment	To be free	
83	Curtain for Driver partition	To be provided	
84	Overall finish	To be satisfactory	
85	Body painting & colour scheme	As per approved colour scheme	
86	APSRTC' Stickering on front wind screen glass and other monogram & depot slogans	Times new roman' font without dots in between letters as communicated by APSRTC and all stickering work to be done.	

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

Annexure-3

			e Buses of Tender MSTC-VI- ULTRA	FALLEVELUGU-ZUZZ
1	VEHICLE NO:	8	CHASSIS MAKE :	
2	NAME OF THE OWNER:	9	WHEEL BASE:	
3	DATE:	_	SEATING CAPACITY: 55+ 1 DRIVER FOR TA &AL,	58+1 FOR EICHER
4	DEPOT:		MODEL :	
5	REGION:		CHASSIS NO: ENG.NO:	
6	TYPE OF BODY: PALLE VELUGU	_	YEAR OF MANUFACTURING:	
7	NAME OF THE FABRICATOR	14	Wheather the fabricator is approved fabricator / not	
I. NO			SPECIFICATIONS	REMARKS
1	Body Structure		M.S. rolled sections & GI pressed sections for under frame, ALu.extruded sections for side & roof structure	
2	Body panels Exterior		Aluminium sheets 1.22 mm pasting with VHB TAPE & PU Sealants on side and solid rivetting on roof.	
3	Body panels Interior		Stain less Steel 0.7 mm of 430 Grade and Scotch brite finish with solid rivetting for TrussPanel , Stain less Steel 0.5 mm of 430 Grade and Scotch brite finish with pasting for pillar finishers . Roof panelling in 20 G (0.91 mm)Alu. Sheet	
4	Saloon & cabin floor sheet		Alu.5bar cheq.sheet 3.0 ± 0.13 mm	
5	Rear Overhang		3327 mm for Tata, 3383 mm for AL and 3504 for Eicher	
6	Overall width of body		2590 mm +/- 10 mm	
7	Pillar Center distance (Standard)		1130mm +/- 5 mm	
8	Clear width of Middle Pasenger Entrance (Without doors)		Min clear aparture 1300 +/- 10 mm	
9	Clear height of Passenger entrance		2150 mm min +/- 10 mm	
10	First step height from ground		400 mm max.	
11	Stepwell tread width		Min 300 mm (overall)	
12	Interior saloon height		1900 ± 05 mm	
13	No of seats		55 +1 (driver)for TA,AL,58+1 for Eicher	
14	Seating pattern		2 x 3	
15	Seat span		min 640 mm	
16	Seat pitch		min 725 mm	
17	Knee Room		min 280 mm	
18	Gang way		min 450 MM	
19	Seat frames		ERW 25 ODx 2 mm pipes with provision for advertisement on back side (with powder coating)	
20	Bottom cushion size 3-seater - PU Foam		1200x 380x90/65 mm (+/- 5mm)	
21	Bottom cushion size 2-seater - PU Foam		813x380x90/65 mm (+/- 5mm)	
22	Bottom cushion size 1-seater - PU Foam		406x380x90/65 mm(+/- 5 mm)	
23	Back rest PU Foam(Individual)		1. 1200(L)X455(H)X30 (+/- 5 mm) mm base thickness for three seater. 2. 813(L)X455(H)X30 (+/- 5 mm)mm base thickness for two seater.	
24	Seat rexene		CHARCOAL GREY	
25	Plywood for Bottom seats & Back rests		8 mm Ply wood to be provided.	
26	Type of windows		Swaraj Mazda type with a provision to remove glasses without removing frame (Marcopolo type)	

27	Finishing of window frames	Black Powder Coating	
28	Parcel rack brackets	Stainless steel Rectangle tube 40x20x1.6 mm	
20	Tareet rack brackets	Staintess steet neetangte tube 40x20x1.0 mm	
29	Parcel rack tubes	All stainless steel tubes of 16 mm dia x 1.6	
2)	Tareet rack tubes	mm thick and tack welded with Stainless	
		steel Bracket.	
30	Window guard rail pipes	20 mm dia x 1.6 mm th stainless tubes in two	
30	Wildow guard rait pipes	rows	
31	Driver baricade & assist rails	25 mm dia x 1.6 mm th stainless tube	_
32	Stanchions	38 mm dia x 1.6 mm th stainless tube	
33	Roof hand rail	25 mm dia x 1.6 mm th stainless tube	
34	Fitment of stanchions & assist rails	Poly propolene /NYLON/Steel sockets	
35	Location of Battery box	Below floor level behind FNS wheel	_
36	Interior paneling of battery box	0.91 GI panneling overlaid with 0.5 mm SS	_
30	interior paneting or battery box	sheet and with sliding mechanism	
37	Roof lights	8 Nos LED light assemblies of 390 mm length	_
31	Noor tights	x 130 mm width out of which two asseblies	
		shall have in-built night lamps in blue colour	
		shak have in bake highe tamps in blue colour	
38	Window Sliding shutter glas size & colour	600 mm (H) x 540 mm(W) x 5.0 mm (T)	
20	Window Sliding shutter glas size & colour	toughened glass in bronze tinted for STD 1130	
		mm bay	
20	Constructor delicated relations	-	
39	Front windshield glasses	Twin curved laminated glasses of 1220 mm x 1020 mm x5.76 mm size of make DURASAFE,	
		DURATUF, ATULTEMP, REALSAFE, SECURE,	
		SECURIT & GSC	
40	Front Ent door, cab door glasses	Clear toughened glasses	
41	Rear saloon glasses	Toughned clear glass of Size:1760x800x5 mm	
42	Amlifier & Speakers	Ahuja make DPA 570 / 370 models OR Sony	
		make Digital Media Player of DSX - A100U	
		Model. 5 nos speakers to be provided	
43	Driver partition with route cum timing	To be provided	
	board to be provied		
44	Destination Boards	Front & Rear LED destination Boards.	
45	Luggage carrier and landing platform	Total 4 bays	
46	Ladder	To be provided	
47	Driver seat	HDPE Knitted - Haritha & Pinacle make	
	Electrical Fittings		
48	Head Lights	4 nos to be provided	
49	Parking lights & Indicator lights	LED 2 NOS at front 2 nos at rear	
50	Tail lamps	LED Lights 5" dia 3 nos on each side	
51	Height Marker Lamps	LED 2 nos in white at front 2 nos in red at rear	
52	Reverse horn	To be provided	
53	Cabin / step well lights	LED to be provided	
54	Body side Indicators	4 Nos of LED lights to be provided in Amber	
		colour	
55	Luggage booth Lights	6 Nos of LED lights to be provided	
56	Wind sheild wiper	Electrical - supplied along with chassis	
	Misclleneous items	•	
57	Rear view mirrors	2 nos supplied with chassis	
58	Cabin mirror	one convex mirror to be fitted inside driver	
		cabin	
	Front centre mirror	one convex type mirror to be fitted at outside	
59			
59	Transfer dental distribution	of front end (center) for near vision of road	
59		of front end (center) for near vision of road at front	
		at front	
59 60	Fire exstinguisher	at front B&C Class 6kg & 4kgs capacity 2 nos, Total of	
		at front	

62	TIM Charger Box in SS sheet	To be provided at Conductor seat side wall	
63	Water Bottle Holder in SS Sheet	To be provided at Conductor seat side wall	
64	First aid box with medicines	To be provided	
65	Wheel Arch Boxes Panelling.	GI sheet 1.6 mm over laid with 2.00 Alu Chq	
66	Luggage booth Flap doors in Alu	Alu.Sheet 1.6 mm to be provided for Flap door	
67	Rear & Side Luggage booths	Left Side ,Rear side &Rear right side Extention with Rear Luggage booth to be provided with flap doors	
68	Pneumatic door System	Passenger entrance with JK doors and Pneumatic system operated by Driver with lever.	
69	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust converter area .Min Size 500 x 500 mm	
70	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min 300 x 300 mm	
71	Urea Tank servicing opening provision in side the body on floor	Urea Tank servicing opening provision to be provide with a min Size of 500 X 275 mm in side the body on floor level.	
72	EATS Protection from painting	Chassis paint should not be sprayed over the EATS system.	
73	DAT,ATF Oil tank & Air Cleaner Servicing doors	DAT & ATF oil ,Air Cleaner Servicing doors to be provided.	
74	Corrier Box	Corrier box to be proved at LHS Parcel Rack	
75	Side & Rear Luggage booth flooring	2 mm Alu.Cheq .sheet to be fitted	
76	Driver Cabin fan	24Volts 8" dia Fan to be provided	
77	Foot Board centre Assit rails in wider middle door	E2 Nos 38 mm SS Pipes with "S" type connecting pipe of 25mm in Center to be provided	
78	Safety belt for driver & conductor	To be provided	
79	Disply of all slogans, seat nos and lables	To be provided	
80	Spare wheel with carrier and tools	To be provided	
81	Sharpe edges and protrusions	To be eleminated	
82	Curtain for Driver partition	To be provided	
83	Window sliding shutter moment	To be free	
84	Overall finish	To be satisfactory	
85	Body painting & colour scheme	As per approved colour scheme	
86	APSRTC' Stickering on front wind screen glass and other monogram & depot slogans	Times new roman' font without dots in between letters as communicated by APSRTC and all stickering work to be done.	

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

lr	nspection format for checking l	Hire	Buses of Tender MSTC-VI- METRO E	EXPRESS-2022	
1	VEHICLE NO:		CHASSIS MAKE :		
2	NAME OF THE OWNER:	9	WHEEL BASE:		
	DATE:		SEATING CAPACITY: 45 FOR TATA&LEYLAND,47 FOR EICHER+ 1 DRIVER		
	DEPOT:		MODEL:		
	REGION:		CHASSIS NO: ENG.NO:		
6	TYPE OF BODY:METRO EXPRESS		YEAR OF MANUFACTURING:		
	NAME OF THE FABRICATOR		Wheather the fabricator is approved		
7			fabricator / not		
SI. NO	DESCRIPTION		SPECIFICATIONS	REMARKS	
1	Body Structure		M.S. rolled sections & GI pressed sections for under frame, ALu.extruded sections for side & roof structure		
2	Body panels Exterior		Aluminium sheets 1.22 mm pasting with VHB TAPE & PU Sealants on side and solid rivetting on roof.		
3	Body panels Interior		Stain less Steel 0.7 mm of 430 Grade and Scotch brite finish with solid rivetting for TrussPanel , Stain less Steel 0.5 mm of 430 Grade and Scotch brite finish with pasting for pillar finishers . Roof panelling in 20 G (0.91 mm)Alu. Sheet		
4	Saloon & cabin floor sheet		Alu.5bar cheq.sheet 3.0 ± 0.13 mm		
5	Rear Overhang		3327 mm for Tata, 3383 mm for AL and 3504 for Eicher		
6	Overall width of body		2590 mm +/- 10 mm		
7	Pillar Center distance (Standard)		1130mm +/- 5 mm		
8	Clear width of Front & Rear Pasenger		Clear aperture of passenger service door		
	Entrance (Without doors)		Minimum-650 mm		
9	Clear height of Passenger entrance		2150 mm min +/- 10 mm		
10	First step height from ground		400 mm max.		
11	Stepwell tread width		Min 300 mm (overall)		
12	Interior saloon height		1900 ± 05 mm		
	No of seats		45+1 for TA&AL,47 +1 for EICHER		
14	Seating pattern		2 x 2		
15	Seat span		min 580 mm		
16	Seat pitch	-	min 730 mm		
17	Knee Room	+	min 280 mm		
18	Gang way Seat frames		min 450 MM ERW 25 ODx 2 mm pipes with provision for advertisement on back side and powder coated		
20	Bottom cushion size 6-seater - PU Foam		2440X406X100/75MM(+/-5MM)		
21	Bottom cushion size 2-seater - PU Foam		840x406x100/75 mm (+/- 5mm)		
22	Bottom cushion size 1-seater - PU Foam		500x400x100/75 mm(+/- 5 mm)		
23	Back rest PU Foam(Individual)		1. 2440(L)X545(H)X30 (+/- 5 mm) mm base thickness forSixseater. 2. 840(L)X545(H)X30 (+/- 5 mm)mm base thickness for two seater.		
24	Seat rexene		CHARCOAL GREY		
	Plywood for Bottom seats & Back rests		8 mm Ply wood to be provided.		

26	Type of windows	Swaraj Mazda type with a provision to
20	Type of Willdows	remove glasses without removing frame
		(Marcopolo type)
27	Finishing of window frames	Black Powder Coating
28	Window guard rail pipes	20 mm dia x 1.6 mm th stainless tubes in two
20	Wildow guard rait pipes	rows
29	Driver baricade & assist rails	25 mm dia x 1.6 mm th stainless tube
30	Stanchions	38 mm dia x 1.6 mm th stainless tube
31	Roof hand rail	25 mm dia x 1.6 mm th stainless tube
32	Fitment of stanchions & assist rails	Poly propolene /NYLON/Steel sockets
33	Location of Battery box	Below floor level behind FNS wheel
34	Interior paneling of battery box	0.91 GI panneling overlaid with 0.5 mm SS
34	litterior parieting or battery box	sheet and with sliding mechanism
35	Roof lights	8 Nos LED light assemblies of 390 mm length
33	Roof tights	x 130 mm width out of which two asseblies
		shall have in-built night lamps in blue colour
		shake have in bake highe tamps in blue colour
24	Window Cliding shutter glass size & colour	600 mm (H) x 540 mm(W) x 5.0 mm (T)
36	Window Sliding shutter glass size & colour	toughened glass in bronze tinted for STD
		1130 mm bay
27		·
37	Front windshield glasses	Twin curved laminated glasses of 1220 mm x
		1020 mm x5.76 mm size of make DURASAFE,
		DURATUF, ATULTEMP, REALSAFE, SECURE, SECURIT & GSC.
38	Cab door glasses	Clear toughened glasses
39	Rear saloon glasses	Toughned clear glass of Size:1760x800x5 mm
40	Amlifier /MP3 Player & Speakers	Ahuja make DPA 570 / 370 models OR Sony
		make Digital Media Player of DSX - A100U
		Model. 5 nos speakers to be provided
41	Driver partition with route cum timing	To be provided
	board	
42	Destination Boards	Front & Rear LED destination Boards.
43	Driver seat	HDPE Knitted - Haritha & Pinacle make
	Electrical Fittings	
44	Head Lights	4 nos to be provided
45	Parking lights & Indicator lights	LED 2 NOS at front 2 nos at rear
46	Tail lamps	LED Lights 5" dia 3 nos on each side
47	Height Marker Lamps	LED 2 nos in white at front 2 nos in red at
		rear
48	Body side Indicators	4 Nos of LED lights to be provided in Amber
		colour
49	Reverse horn	To be provided
50	Cabin / step well lights	LED to be provided
51	Wind sheild wiper	Electrical - supplied along with chassis
	Misclleneous items	
52	Rear view mirrors	2 nos supplied with chassis
53	Cabin mirror	one convex mirror to be fitted inside driver
		cabin
54	Front center mirror	one convex type mirror to be fitted at
		outside of front end (center) for near vision
		of road at front
55	Fire exstinguisher	B&C Class 6kg & 4kgs capacity 2 nos, Total of
		10kgs to be provided

56	TIM Charger	To be provided at Conductor seat side wall
57	TIM Charger Box in SS sheet	To be provided at Conductor seat side wall
58	Water Bottle Holder in SS Sheet	To be provided at Conductor seat side wall
59	First aid box with medicines	To be provided
60	Wheel Arch Boxes Panelling.	GI sheet 1.6 mm over laid with 2.00 Alu Chq
61	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust converter area .Min Size 500 x 500 mm
62	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min 300 x 300 mm
63	Urea Tank servicing opening provision in side the body on floor	Urea Tank servicing opening provision to be provide with a min Size of 500 X 275 mm in side the body on floor level.
64	EATS Protection from painting	Chassis paint should not be sprayed over the EATS system.
65	DAT,ATF Oil tank & Air Cleaner Servicing doors	DAT & ATF oil ,Air Cleaner Servicing doors to be provided.
66	Safety belt for driver & conductor	To be provided
67	Disply of all slogans, seat nos and lables	To be provided
68	Spare wheel with carrier and tools	To be provided
69	Sharpe edges and protrusions	To be eleminated
70	Window sliding shutter moment	To be free
71	Curtain for Driver partition	To be provided
72	Overall finish	To be satisfactory
73	Body painting & colour scheme	As per approved colour scheme
74	APSRTC' Stickering on front wind screen glass and other monogram & depot slogans	Times new roman' font without dots in between letters as communicated by APSRTC and all stickering work to be done.

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

	Inspection format for ch	ec	king Hire Buses of Tender MSTC-VI-	EXPRESS 2022
1	VEHICLE NO:		CHASSIS MAKE :	
	NAME OF THE OWNER:	9	WHEEL BASE:	
3	DATE:		SEATING CAPACITY: 50+1 Driver (for TATA&AL) /55+1(EIG	CHER)
4	DEPOT:		MODEL:	CHER
5	REGION:		CHASSIS NO: ENG.NO:	
6	TYPE OF BODY: EXPRESS		YEAR OF MANUFACTURING:	
7	NAME OF THE FABRICATOR:		Wheather the fabricator is approved fabricator / not	
-	NAME OF THE FADRICATOR.	14	wheather the fabricator is approved fabricator / not	
SL. NO	DESCRIPTION		SPECIFICATIONS	REMARKS
1	Body Structure		M.S. rolled sections & GI pressed sections for under frame, ALu.extruded sections for side & roof structure	
2	Body panels Exterior		Aluminium sheets 1.22 mm pasting with VHB TAPE & PU Sealants on side and solid rivetting on roof.	
3	Body panels Interior		Stain less Steel 0.7 mm of 430 Grade and Scotch brite finish with solid rivetting for TrussPanel , Stain less Steel 0.5 mm of 430 Grade and Scotch brite finish with pasting for pillar finishers . Roof panelling in 20 G Alu. Sheet(0.91 mm)	
4	Saloon & cabin floor sheet		Alu.5 bar cheq.sheet 3.0 ± 0.13 mm	
5	Rear Overhang		3327 mm for Tata, 3383 mm for AL and 3504 for Eicher (+/- 10 mm)	
6	Overall width of body		2590 mm +/- 10 mm	
7	Pillar Center distance (Standard)		1130mm +/- 5 mm	
8	Clear width of Pasenger Entrance		Min 650 mm	
9	Clear height of Passenger entrance		2150 mm min +/- 10 mm	
10	First step height from ground		400 mm max.	
11	Stepwell tread width		Min 300 mm (overall)	
12	Interior saloon height		1900 ± 10 mm	
13	No of SEATS		50 +1 Driver (for TATA&AL) /55+1(Eicher)	
14	Seating pattern		2 x 3	
	Seat span		min 695 mm	
	Seat pitch		min 860 mm	
17	Knee Room		min 345±5 mm	
	Gang way		min 380 mm	
19	Seat frames		ERW 25 ODx 2 mm pipes with powder coating	
	Bottom cushion size 3-seater - PU Foam		1240x 406x100/75 mm (+/- 5mm)	
	Bottom cushion size 2-seater - PU Foam		840x406x100/75 mm (+/- 5mm)	
	Bottom cushion size 1-seater - PU Foam		420x406x100/75 mm(+/- 5 mm)	
	Back rest PU Foam(Individual)		710X400X130/75 mm -50 mm base thickness (+/- 5	
24	Seat rexene		CHARCOAL GREY	
	Plywood for Bottom seats & Back rests		8 mm Ply wood to be provided.	
26	Type of windows		Swaraj Mazda type with a provision to remove glasses without removing frame (Marcopolo type)	
27	Finishing of window frames		Black Powder Coating	
28	Parcel rack brackets		Stainless steel Rectangle tube 40x20x1.6 mm	
29	Parcel rack tubes		All stainless steel tubes of 16 mm dia x 1.6 mm thick and tack welded with Stainless steel Bracket.	
	Window guard rail pipes		20 mm dia x 1.6 mm thick stainless tubes in two rows	
31	Driver baricade & assist rails		25 mm dia x 1.6 mm thick stainless tube	
	Stanchions Roof hand rail		38 mm dia x 1.6 mm thick stainless tube	
	Roof hand rail Fitment of stanchions & assist rails		25 mm dia x 1.6 mm thick stainless tube Poly propolene /NYLON Sockets /SS Flat of thickness 4	
25	Location of Pattern hav		mm to be welded to SS pipe	
	Location of Battery box Interior paneling of battery box		Below floor level behind FNS wheel 0.91 GI panneling overlaid with 0.5 mm SS sheet and	
36	interior paneting or pattery box		with sliding mechanism	

	<u> </u>	1	
37	Roof lights	8 Nos LED light assemblies of 390 mm length out of	
		which two assemblies shall have in-built night lamps	
		in blue colour	
38	Window Sliding shutter glass size &	600 mm (H) x 540 mm(W) in bronze tinted for STD	
	colour	1130 mm bay	
39	Front windshield glasses	Twin curved laminated glasses of 1220 mm x 1020 mm	
	<u> </u>	size of make DURASAFE, DURATUF, ATULTEMP,	
		REALSAFE, SECURE, SECURIT & GSC	
40	Front Ent door, cab door glasses	Clear toughened glasses	
	Rear saloon glasses	Toughned clear glass of Size:1760 x 800x5 mm	
	Amlifier & Speakers	Ahuja make DPA 570 / 370 models OR Sony make	
44	Amunei u speakers	Digital Media Player of DSX - A100U Model. 5 nos	
		speakers to be provided	
		·	
43	Provision for fitment of TV (28" LED TV)	To be provided on Driver partition	
44	Driver partition with route cum timing	To be provided	
	board to be provied		
45	Destination Boards	Front and Rear LED destination boards.	
46	Luggage carrier and landing platform	Total 4 Bays	
	Ladder	To be provided	
48	Driver seat	HDPE Knitted - Haritha & Pinacle make	
	Electrical Fittings		
	Head Lights	4 nos to be provided	
	Parking lights & Indicator lights	LED 2 NOS at front 2 nos at rear	
	Tail lamps	LED Lights 5" dia 3 nos on each side	
	Height Marker Lamps	LED 2 nos in white at front 2 nos in red at rear	
	Reverse horn	To be provided	
	Cabin / step well lights Body side Indicators	LED to be provided 4 Nos of LED lights to be provided in Amber colour	
	Luggage booth Lights Wind sheild wiper	6 Nos of LED lights to be provided Electrical - supplied along with chassis	
٦/	Misclleneous items	Liectrical - supplied along with chassis	
58		2 nos supplied with chassis	
	Rear view mirrors	2 nos supplied with chassis	
	Cabin mirror	one convex mirror to be fitted inside driver cabin one convex type mirror to be fitted at outside of front	
60	Front centre mirror	end (center) for near vision of road at front	
	Fire continuousle	, , ,	
61	Fire exstinguisher	B&C Class 6kg & 4kgs capacity 2 nos, Total of 10kgs to	
		be provided	
	TIM Charger	To be provided at Conductor seat side wall	
	TIM Charger Box in SS sheet	To be provided at Conductor seat side wall	
64	Water Bottle Holder in SS Sheet	To be provided at Conductor seat side wall	
65	First aid box with medicines	To be provided	
66	Wheel Arch Boxes Panelling.	GI sheet 1.6 mm over laid with 2.00 Alu Chq sheet.	
67	Luggage booth Flap doors in Alu	Alu.Sheet 1.6 mm to be provided for Flap door	
68	Rear & Side Luggage booths	Left Side ,Rear side & Rear right side Extention with	
55	a side Edgage bootis	Rear Luggage booth to be provided with flap doors	
	Dr. svenski s da se Sventa	, , , , , , , , , , , , , , , , , , , ,	
69	Pneumatic door System	Passenger entrance with JK doors and Pneumatically	
		operated by Driver with lever.	
70	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust converter	
		area .Min Size 500 x 500 mm	
71	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min	
		300 x 300 mm	
72	Urea Tank servicing opening provision in	Urea Tank servicing opening provision to be provide	
	side the body on floor	with a min Size of 500 X 275 mm in side the body on	
		floor level.	
73	EATS Protection from painting	Chassis paint should not be sprayed over the EATS	
	·	system.	
74	DAT,ATF Oil tank & Air Cleaner Service	DAT & ATF oil ,Air Cleaner Service doors to be	
	doors	provided.	
75	Courier Box	·	
		Courier box to be proved at LHS Parcel Rack	
	Side & Rear Luggage booth flooring	2 mm Alu.Cheq .sheet to be fitted	
77	Driver Cabin fan	24Volts 8" dia Fan to be provided	
78	Safety belt for driver & conductor	To be provided	

79 Disply of all slogans, seat r	nos and lables	To be provided	
80 Spare wheel with carrier a	nd tools	To be provided	
81 Sharp edges and protrusion	ns	To be eleminated	
82 Window sliding shutter mo	ment	To be free	
83 Curtain for Driver partitio	n	To be provided	
84 Overall finish		To be satisfactory	
85 Body Painting & Colour Sch	neme	As per approved colour scheme	
86 APSRTC' Stickering on from glass and other monogram slogans		Times new roman' font without dots in between letters as communicated by APSRTC and all stickering work to be done.	

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

	Inspection format for checking	g F	lire Buses of Tender MSTC-VI - UL	TRA DELUXE-2022
1	VEHICLE NO:	8	CHASSIS MAKE :	
2	NAME OF THE OWNER:	9	WHEEL BASE:	
3	DATE:	10	SEATING CAPACITY: 40+ 1 DRIVER	
4	DEPOT:	11	MODEL:	
	REGION:	12	CHASSIS NO: ENG.NO:	
6	TYPE OF BODY: ULTRA DELUXE	13	YEAR OF MANUFACTURING:	
			Wheather the fabricator is approved	
	NAME OF THE FABRICATOR:	14	fabricator / not	
SL. NO	DESCRIPTION		SPECIFICATIONS	REMARKS
1	Body Structure		M.S. rolled sections & GI pressed sections for under frame, GI tubular & pressed sections for side & roof structure	
2	Body panels Exterior	a.	Single stretched panel in 0.91 mm GI sheet for body panel on both sides	
		b.	1.6 mm thick Alu sheet for fixed skirt panels (between rub rail and skirt rail)	
		c.	2.00 mm thick Alu sheet for flap doors	
		d.	0.91 mm GI Sheet in two pieces (one	
			longitudinal weld joint) for Roof top.	
3	Front and Rear facia		To be provided in 4 mm thick FRP profiles.	
4	Wheel fenders		To be provided in 3mm thick FRP profiles.	
5	Body panels Interior	a.	3.0 mm thick ACP sheet for Roof center sheet &Truss panel	
		b.	PVC laminted GI sheet of 0.7 mm thick for roof side sheets, bottom side of hat racks and window finishers.	
6	Saloon & cabin floor sheet		12 mm thick cheq. Plywood overlaid with 2 mm thick vinyl mat. Edges of vinyl mat is to be hot air welded.	
7	Rear overhang		3327 mm for Tata -224", 3383 mm for AL- 222"and 3504 mm for Eicher-230" (+/- 10mm)	
8	Overall width of body		2600 mm +/- 10 mm	
9	Pillar Center distance (Standard)		1130mm +/- 5 mm	
	Clear width of Pasenger Entrance		Min 650 mm +/- 10 mm	
	Clear height of Passenger entrance		Min 2150 mm +/- 10 mm	
	First step height from ground		400 mm max.	
	Stepwell tread width		Min 300 mm (overall) +/- 5 mm	
	Interior saloon height		1900 ± 10 mm	
	No of SEATS		40 +1 (driver) Nos	
	Seating pattern		2 x 2	
	Seat span		Min 740 mm +/-10 mm	
	Seat pitch		Min 850 mm +/- 10 mm	
	Gang way		Min 380 mm	
	Step well panelling	a.	Tread - 12 mm plywood over laid with 2mm Vinyl mat	
		b.	Edges to be provided with yellow powder coated step edge section with yellow pvc insert.	
21	Passenger entrance door	a.	Pneumaticaly operated jk door.	
		b.	One PU handle to be provided on inner face	
		c.	of the door for manual operation One LED lamp on inner face of the door to	
22	Vaca Boom		be provided.	
22	Knee Room	<u> </u>	Min 280 mm	

	Г	1	h	Г
23	Seats		Haritha/Grand Slam make Crystal model	
			seats with 125 mm reclining	
24	Type of windows		Swaraj Mazda type with a provision to remove glasses without removing frame	
27	Type of willdows		(Marcopolo type)	
25	Finishing of window frames		Black Powder Coating	
	-		20 mm dia x 1.6 mm thick stainless steel	
26	Window guard rail pipes		tubes in two rows	
27	Driver baricade & assist rails		25 mm dia x 1.6 mm thick stainless steel	
			tube	
28	Roof hand rail		25 mm dia x 1.6 mm thick stainless tube	
29	Fitment of assist rails		Poly propolene /NYLON/Steel sockets	
30	Location of Battery box with sliding		Below floor level behind FNS wheel	
	mechanism			
31	Interior paneling of battery box		0.5 mm SS sheet	
32	Window Sliding shutter size & colour		600 mm (H) x 540 mm(W) in bronze tinted /	
	W. 1 7 6: 1 1		light grey for STD 1130 mm bay	
33	Window Top fixed glass	1	450 mm (H) bronze tinted /light grey	
			Single curved laminated glass of 1300 mm x 2620 mm size of make DURASAFE, DURATUF,	
34	Front windshield glasses		ATULTEMP, ATULSAFE, REALSAFE, SECURE,	
			SECURIT & GSC	
35	Cab door glasses		Clear toughened glasses	
26	Poor caloon glass		Toughned clear glass of Size:1760 x 800x5	
36	Rear saloon glass		mm	
37	Driver partition with route cum timing		To be provided	
	board		·	
38	Rear luggage booth		Rear luggage booth with	
			Floor - 2 mm Aluminium cheq sheet. Side walls- 0.91 mm GI sheet.	
		_	Flap door - 1.6 mm Alu sheet with 2 nos	
		c.	southco type locks and 2 nos of 550 N	
			balancers	
		d.	Foldable luggage rack in SS tube of	
			30x30x1.6 mm	
39	Destination Boards (At front , rear &		Front & Rear LED Destination boards to be	
39	side)		provided	
	Luggage carrier		To be provided in total 4 Bays from rear	
40			end, with Alu 1.22 mm sheet side cover	
			and2 mm alu chq sheet for floor.	
41	Ladder in two piece(Lower piece detachable)		To be provided	
	Unloader at LHS	1	To be provided with erw pipes and alu chg	
42			sheet.	
43	Stanchions	H	38 mm dia x 1.6 mm thick stainless tube	
44	Driver seat	L	HDPE Knitted - Haritha or Pinacle make	
	Electrical Fittings			
			5 Nos LED light assemblies of 390 x130 mm	
45	Roof lights		size in saloon out of which two asseblies shall have in-built night lamps in blue colour	
			ishak have in-buik hight lamps in blue colour	
46	Head Lights	-	4 nos to be provided	
	Parking lights & Indicator lights	-	LED 2 Nos. at front & 2 nos at rear	
48	Tail lamps		LED Lights 5" dia 3 nos on each side	
			LED 2 nos in white at front & 2 nos in red at	
49	Height Marker Lamps		rear	
50	Reverse horn		To be provided	
51	Cabin / step well lights		LED lights 2 nos. to be provided	
	Wind sheild wiper		Electrical - supplied along with chassis	

53	Amplifier & Speakers	Ahuja make DPA 570 / 370 models OR Sony make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided in saloon	
54	Invertor Capacity & Make	Aargee / Neetu Solar Systems / MG Solar Powertronics makes of 600 VA capacity & Pure sinewave type	
55	Provision of TV	28" LED TV of Samsung / Panasonic / Sony / LG / Phillips make	
56	USB for Charging & Wiring Harnes for Seats	USB wiring harness for crystal model seats to be provided in both sides of saloon andrear with Alu. Extruded section of INDAL 2735 with suitable connectors.	
	Misclleneous items		
57	Rear view mirrors	2 nos supplied with chassis	
58	Fire exstinguishers	B&C Class 6kg & 4kgs capacity 2 nos, Total of 10kgs to be provided	
59	First aid box with medicines	To be provided	
60	Safety belt for driver	To be provided	
61	TIM Stand	To be provided on Dash Board.	
62	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust converter area .Min Size 500 x 500 mm	
63	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min 300 x 300 mm	
64	EATS Protection from painting	Chassis paint Should not be sprayed over the EATS system.	
65	DAT,ATF Oil tank & Air Cleaner Servicing doors	DAT & ATF oil ,Air Cleaner Servicing doors to be provided.	
66	Courier Box	Courier box to be proved at LHS Parcel Rack	
67	Side& Rear Luggage booth flooring	2 mm Aluminium chq sheet to be fitted.	
68	Display of all slogans and lables	To be provided	
69	Spare wheel with carrier and tools	To be provided	
70	Sharp edges and protrusions	To be eleminated	
71	Window sliding shutter moment	To be free	
72	Curtain for Driver partition	To be provided	
73	Overall finish	To be satisfactory	
	Body Painting & Colour Scheme	As per approved colour scheme	
75	APSRTC' Stickering on front wind screen glass and other monogram & depot slogans	6" height ' Times new roman' font without dots in between letters as communicated by APSRTC and all stickering work to be done.	

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

	-		g Hire Buses of Tender MSTC-VI-S	UPER LUXURY-2022
1	VEHICLE NO:		CHASSIS MAKE :	
2	NAME OF THE OWNER:	9	WHEEL BASE:	
3	DATE:		SEATING CAPACITY: 36+ 1 DRIVER	
4	DEPOT:		MODEL:	
5	REGION:	_	CHASSIS NO: Eng.NO:	
6	TYPE OF BODY: SUPER LUXURY	13	YEAR OF MANUFACTURING:	
7	NAME OF THE FABRICATOR	14	Wheather the fabricator is approved	
<u>'</u>			fabricator / not	
L.	DESCRIPTION		SPECIFICATIONS	REMARKS
0				
1	Body Structure		M.S. rolled sections & GI pressed sections for	
			under frame, GI tubular structure for side &	
2	Body panels Exterior	a.	Single stretched panel in 0.91 mm GI sheet	
			for body panel on both sides	
		b.	1.6 mm thick Alu sheet for fixed skirt panels	
			(between rub rail and skirt rail)	
		c.	2.0 mm thick Alu sheet for flap doors	
		d.	0.91 mm GI Sheet in two pieces (one	
		\perp	longitudinal weld joint) for Roof top.	
3	Front and Rear facia		To be provided in 4 mm thick FRP profiles.	
4	Wheel fenders		To be provided in 3mm thick FRP profiles.	
5	Body panels Interior	a.	3.0 mm thick ACP sheet for Roof center	
			sheet, Truss panel and driver partition both	
			sides	
		b.	PVC laminted GI sheet of 0.7 mm thick for	
			roof side sheets, bottom side of hat racks and	
			window finishers.	
6	Saloon & cabin floor sheet		12 mm thick cheq. Plywood overlaid with 2	
U	Satoon & Cabin Hoor sneet		mm thick vinyl mat. Edges of vinyl mat is to	
			be hot air welded.	
7	Poor everbons		3327 mm for Tata -224", 3383 mm for AL-	
7	Rear overhang		222"and 3504 mm for Eicher-230" (+/- 10mm)	
			222 and 3304 mm for Elemen-230 (+7 - Tomm)	
8	Overall width of body		2590 mm +/- 10mm	
9	Overall width of body		1680mm +/- 5 mm	
•	Pillar Center distance (Standard)		Min 650 mm	
	Clear width of Pasenger Entrance			
11	Clear height of Passenger entrance		2150 mm min +/- 10mm	
	First step height from ground		400 mm max.	
	Stepwell tread Depth	_	Min 300 mm (overall)	
14	Interior saloon height	_	2000 ± 10 mm	
15	No of SEATS		36 +1 (driver) Nos	
16	Seating pattern		2 x 2	
17	Seats		Haritha/Grand Slam make Crystal model	
			seats with 250 mm reclining	
18	Seat span		min 740 mm +/- 5mm	
	Seat pitch		min 880 mm +/- 5mm	
20	Gang way		min 380 mm	
21	Step well panelling	a.	Tread - 12 mm plywood over laid with 2mm	
			Vinyl mat	
		b.	Raiser - 0.91 mm GI sheet over laid with 0.5	
			mm stainless steel.	
		c.	Edges to be provided with yellow powder	
			coated step edge section with yellow pvc	
			insert.	
-		a.	Pneumaticaly operated in swing door	
		b.	Horizontal sliding window to be provided in	
			upper portion of entrance door.	
		c.	Clear toughened glass to be provided in	
		1	bottom portion.	

, ,				
22	Passenger entrance door	d.	Linkages of the door shall have thrust bearing	
			at bottom and taper roller bearing at top.	
			One PU handle to be provided on inner face of the door.	
		f.	One LED lamp on inner face of the door to be provided.	
23	Type of windows		Swaraj Mazda type with a provision to remove	
			glasses without removing frame (Marcopolo	
24	Finishing of window frames		Black Powder Coating.	
25	Driver baricade & assist rails		25mm dia x 1.6 mm thick stainless steel tube	
26	Location of Battery box with		Below floor level behind FNS wheel	
27	swivelling mechanism Interior paneling of battery box		0.5 mm SS sheet.	
21	Window Sliding shutter size & colour		600 mm (H)X820 mm (W)X 5 mm (T) in bronze	
28	minus of the magnetic size a colour		tinted for STD 1680 mm bay.	
29	Front windshield glass		Single laminated curved glass of 1450 mm x	
			2560 mm size of make DURASAFE, REALSAFE,	
			ATULTEMP, SECURE, SECURIT & GSC	
	Front Ent door, cab door glasses		Clear toughened glasses	
31	Rear saloon glass		Toughned clear glass of Size:1760 x 800x5	
22	Driver partition with route and the		mm Full partition with IV door and 2 mm ACD	
32	Driver partition with route cum timing board		Full partition with JK door and 3 mm ACP panelling on both sides, provision for fitment	
	poal a		of TV and sliding window with 260 mm x 260	
			mm size shutter glasses shall be provided	
33	Rear luggage booth		Rear luggage booth with	
33	near taggage booth	a.	Floor - 2 mm Aluminium cheq sheet.	
			Side walls- 0.91 mm GI sheet	
			Flap door - 2 mm Alu sheet with 2 nos	
			southco type locks and 2 nos of 550 N	
		d.	Foldable luggage SS tube of 30x30x1.6 mm	
34	Destination Boards		Front & Rear LED Destination Boards to be	
			provided	
35	Luggage carrier		To be provided in total 4 Bays from rear end,	
			with Alu 1.22 mm sheet side cover and 2 mm	
			alu chq sheet for floor.	
	Ladder in two piece(Lower piece detachable)		To be provided	
	Attender seat		To be provided	
	Co - driver berth		To be provided in 1600 mm x 480 mm with an	
	-		extension (folable) of 300 mm	
		b.	Finishing - Black Powder Coating	
			Cushion - 50 mm thick & Fabric of Raymond /	
			BMD /RELIANCE	
39	Driver seat		HDPE Knitted - Haritha or Pinacle make	
	Electrical Fittings		AL	
40	Amlifier & Speakers		Ahuja make DPA 570 / 370 models OR Sony	
			make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided in	
41	Invertor Capacity & Make		Aargee make of 600 VA capacity & Pure	
''	mine to capacity a mane		sinewave type	
42	Provision of TV		28" LED TV of Samsung / Panasonic / Sony /	
			LG / Phillips make	
43	Roof lights		5 Nos LED light assemblies of 390 x130 mm	
			size in saloon out of which two asseblies	
			shall have in-built night lamps in blue colour	
	Head Lights		4 nos to be provided	
	Parking lights & Indicator lights		LED 2 NOS at front 2 nos at rear	
46	Tail lamps		LED Lights 5" dia 3 nos on each side	

47	Height Marker Lamps		LED 2 nos in white at front 2 nos in red at rear	
48	Cell phone charging	a b	To be provided with sunken type pouch with steel lining and wood beeding on edges on driver partition Socket & switches of modular type for 2 cell phones at time to be provided	
49	USB Charger Wiring Harnes for Seats		USB wiring harness for crystal model seats to be provided in both sides of saloon andrear with Alu. Extruded section of INDAL 2735 with suitable connectors.	
50	Cabin fan		To be provided	
51	Reverse horn		To be provided	
52	Cabin / step well lights		LED to be provided	
53	Wind sheild wiper		Electrical - Radial type , 80 W capacity with washer tank	
	Misclleneous items		· · · · · · · · · · · · · · · · · · ·	
54	Roof hatch in driver cabin		To be provided	
55	Rear view mirrors		2 nos supplied with chassis	
56	Fire exstinguishers		B&C Class 6kg & 4kgs capacity 2 nos, Total of 10kgs to be provided	
57	First aid box with medicines		To be provided	
58	TIM Stand		To be provided on Dash Board.	
59	EATS Flap door with Louers at RHS		EATS flap door to be provided at Exhaust converter area .Min Size 500 x 500 mm	
60	Urea Tank Neck opening provision		Urea Tank neck opening provision of falp door size Min 300 x 300 mm	
61	EATS Protection from painting		Chassis paint should not be sprayed over the EATS system.	
62	DAT,ATF Oil tank & Air Cleaner Servicing doors		DAT & ATF oil ,Air Cleaner Servicing doors to be provided.	
63	Courier Box		Courier box to be proved at LHS Parcel Rack	
64	Assit Rails on Parcel Rack		E 4 Nos Assit Rails to be provided .	
	Side& Rear Luggage booth flooring		2 mm Aluminium chq sheet to be fitted.	
	Safety belt for driver seat , single seat & middle seat of 5 seater.		To be provided	
67	Display of all slogans, seat nos and lables		To be provided	
68	Spare wheel with carrier and tools		To be provided	
69	Sharp edges and protrusions		To be eleminated	
70	Window sliding shutter moment		To be free	
71	Overall finish		To be satisfactory	
72	Body Painting & Colour Scheme		As per approved colour scheme	
73	APSRTC' Stickering on front wind screen glass and other monogram & depot slogans		6" height ' Times new roman' font without dots in between letters as communicated by APSRTC and all stickering work to be done .	

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

1	VEHICLE NO:	8	CHASSIS MAKE :	
	NAME OF THE OWNER:	9	WHEEL BASE:	
	DATE:	10	SEATING CAPACITY: 40+ 1 DRIVER	
	DEPOT:	11	MODEL:	
	REGION:	12	CHASSIS No: Eng.No:	
	TYPE OF BODY: SUPER LUXURY(40	13	YEAR OF MANUFACTURING:	
	Seater)			
	NAME OF THE FARRICATOR	14	Wheather the fabricator is approved	
7			fabricator / not	
SL.	DESCRIPTION		SPECIFICATIONS	REMARKS
10				
			M.S. rolled sections & GI pressed sections for	
1	Body Structure		under frame, GI tubular structure for side &	
			roof	
		a.	Single stretched panel in 0.91 mm GI sheet	
			for body panel on both sides	
		b.	1.6 mm thick Alu sheet for fixed skirt panels	
2	Body panels Exterior		(between rub rail and skirt rail)	
		c.	2.0 mm thick Alu sheet for flap doors	
		d.	0.91 mm GI Sheet in two pieces (one	
			longitudinal weld joint) for Roof top.	
3	Front and Rear facia	+	To be provided in 4 mm thick FRP profiles.	
	Wheel fenders		To be provided in 4 min thick FRP profiles.	
4	Wheet renders	-	3.0 mm thick ACP sheet for Roof center	
		a.		
			sheet,Truss panel and driver partition both	
5	Body panels Interior		sides	
		b.	PVC laminted GI sheet of 0.7 mm thick for	
			roof side sheets, bottom side of hat racks and	
			window finishers.	
			12 mm thick cheq. Plywood overlaid with 2	
6	Saloon & cabin floor sheet		mm thick vinyl mat. Edges of vinyl mat is to	
			be hot air welded.	
			3450 mm for Tata -244",	
7	Poar overbang		3550 mm for AL-236" and	
,	Rear overhang		3400 mm for Eicher-244" (+/- 10 mm)	
	Overall width of body		2590 mm +/- 10 mm	
	Pillar Center distance (Standard)		1524 mm +/- 5 mm	
	Clear width of Pasenger Entrance		Min 650 mm	
	Clear height of Passenger entrance		Min 2150 mm +/- 10 mm	
	First step height from ground		400 mm max.	
	Stepwell tread Depth		Min 300 mm (over all)	
14	Interior saloon height		2000 ± 10 mm	
15	No. of SEATS		40 +1 (Driver) Nos	
16	Seating pattern		2 x 2	
17	Seats		Haritha/Grand Slam make Crystal model	
17	Jeans		seats with 250 mm reclining	
18	Seat span		Min 740 mm +/- 5 mm	
	Seat pitch		Min 880 mm +/- 5 mm	
	Gang way		Min 380 mm	
		a.	Tread - 12 mm plywood over laid with 2mm	
			Vinyl mat	
		b.	Raiser - 0.91 mm GI sheet over laid with 0.5	
21	Step well panelling	-	mm stainless steel.	
		c.	Edges to be provided with yellow powder	
		۲.	coated step edge section with yellow pvc	
		1	insert.	

		_	December 11	
		a.	Pneumatically operated in swing door	
		b.	Horizontal sliding window to be provided in	
			upper portion of entrance door.	
		c.	Clear toughened glass to be provided in	
			bottom portion.	
22	Passenger entrance door	d.	Linkages of the door shall have thrust bearing	
			at bottom and taper roller bearing at top.	
		e.	One PU handle to be provided on inner face of	
			the door.	
		f.	One LED lamp on inner face of the door to be	
			provided.	
			Swaraj Mazda type with a provision to remove	
23	Type of windows		glasses without removing frame (Marcopolo	
			type)	
24	Finishing of window frames		Black Powder Coating.	
25	Driver baricade & assist rails		25mm dia x 1.6 mm thick stainless steel tube	
26	Location of Battery box with		Below floor level behind FNS wheel	
	swivelling mechanism		0.5	
27	Interior paneling of battery box		0.5 mm SS sheet.	
28	Window Sliding shutter size & colour		600 mm (H)X750 mm (W)X 5 mm (T) in bronze	
			tinted for STD 1524 mm bay.	
20	Forest softs delicted desires		Single laminated curved glass of 1450 mm x	
29	Front windshield glass		2560 mm size of make DURASAFE, REALSAFE,	
20	Front Fot door ook door aloos		ATULTEMP, SECURE, SECURIT & GSC	
30	Front Ent door, cab door glasses		Clear toughened glasses	
31	Rear saloon glass		Toughned clear glass of Size:1760 x 800x5	
			mm	
	Driver partition with route sum timing		Full partition with JK door and 3 mm ACP	
32	Driver partition with route cum timing		panelling on both sides, provision for fitment	
	board		of TV and sliding window with 260 mm x 260	
			mm size shutter glasses shall be provided	
		_	Rear luggage booth with Floor - 2 mm Aluminium cheq sheet.	
		a. b.	Side walls- 0.91 mm GI sheet	
33	Rear luggage booth	c.	Flap door - 2 mm Alu sheet with 2 nos	
33	Real taggage booth	c.	southco type locks and 2 nos of 550 N	
		d.	Foldable luggage SS tube of 30x30x1.6 mm	
		u.	Totable taggage 33 tabe of 30x30x1.0 mm	
			Front & Rear LED Destination Boards to be	
34	Destination Boards		provided	
			To be provided in total 4 Bays from rear end,	
35	Luggage carrier		with Alu 1.22 mm sheet side cover and 2 mm	
			alu chq sheet for floor.	
	Ladder in two piece(Lower piece		To be provided	
36	detachable)		To be provided	
37	Attender seat		To be provided	
<u> </u>		a.	To be provided in 1600 mm x 480 mm with an	
			extension (folable) of 300 mm	
38	Co - driver berth	b.	Finishing - Black Powder Coating	
	-	c.	Cushion - 50 mm thick & Fabric of Raymond /	
			BMD / RELIANCE	
39	Driver seat		HDPE Knitted - Haritha or Pinacle make	
	Electrical Fittings			
			Ahuja make DPA 570 / 370 models OR Sony	
4.0	Amilifian G. Coa-line		make Digital Media Player of DSX - A100U	
40	Amlifier & Speakers		Model. 5 nos speakers to be provided in	
			saloon with FRP boxes	
			Aargee make of 600 VA capacity & Pure	
41	Invertor Capacity & Make		sinewave type	
	Description of TV		28" LED TV of Samsung / Panasonic / Sony /	
42	Provision of TV		LG / Phillips make	
			<u>'</u>	

			6 Nos LED light assemblies of 390 x130 mm	
4.5	5 50 10		size in saloon out of which two asseblies	
43	Roof lights		shall have in-built night lamps in blue colour	
44	Head Lights		4 nos to be provided	
	Parking lights & Indicator lights		LED 2 NOS at front 2 nos at rear	
	Tail lamps		LED Lights 5" dia 3 nos on each side	
47	Hatalet Mankan Laure		LED 2 nos in white at front 2 nos in red at rear	
4/	Height Marker Lamps			
		a	To be provided with sunken type pouch with	
			steel lining and wood beeding on edges on	
48	Cell phone charging		driver partition	
		b	Socket & switches of modular type for 2 cell	
			phones at time to be provided	
			USB wiring harness for crystal model seats to	
40	USB Charger Wiring Harnes for Seats		be provided in both sides of saloon andrear	
47	OSB Charger Wiring harnes for Seats		with Alu. Extruded section of INDAL 2735	
			with suitable connectors.	
	Cabin fan		To be provided	
	Reverse horn		To be provided	
52	Cabin / step well lights		LED to be provided	
53	Wind shield wiper		Electrical - Radial type , 80 W capacity with	
	•		washer tank	
	Misclleneous items		<u> </u>	
	Roof hatch in driver cabin		To be provided	
55	Rear view mirrors		2 nos supplied with chassis	
56	Fire exstinguishers		B&C Class 6kg & 4kgs capacity 2 nos, Total of	
E 7	First aid box with medicines		10kgs to be provided To be provided	
	TIM Stand		To be provided on Dash Board.	
36	Tim Stalid		EATS flap door to be provided at Exhaust	
59	EATS Flap door with Louers at RHS		converter area .Min Size 500 x 500 mm	
			Urea Tank neck opening provision of falp door	
60	Urea Tank Neck opening provision		size Min 300 x 300 mm	
/1	FATS Duct action from acinting		Chassis paint should not be sprayed over the	
01	EATS Protection from painting		EATS system.	
62	DAT,ATF Oil tank & Air Cleaner		DAT & ATF oil ,Air Cleaner Servicing doors to	
	Servicing doors		be provided.	
63	Courier Box		Courier box to be proved at RHS Parcel Rack	
	Assit Rails on Parcel Rack		E 6 Nos Assit Rails to be provided .	
	Side& Rear Luggage booth flooring		2 mm Aluminium chq sheet to be fitted.	
66	Safety belt for driver seat , single		To be provided	
/7	seat & middle seat of 5 seater.		To be provided	
6/	Display of all slogans, seat nos and lables		To be provided	
60	Spare wheel with carrier and tools		To be provided	
	Sharp edges and protrusions		To be eleminated	
	Window sliding shutter moment		To be free	
	Overall finish		To be satisfactory	
	Body Painting & Colour Scheme		As per approved colour scheme	
''				
	APSRTC' Stickering on front wind		6" height ' Times new roman' font without	
73	screen glass and other monogram &		dots in between letters as communicated by	
	depot slogans		APSRTC and all stickering work to be done .	

	Inspection format for ch	eck	king Hire Buses of Tender-MSTC-VI -N	NON-AC SLEEPER-2022
1	VEHICLE NO:	8	CHASSIS MAKE :	
2	NAME OF THE OWNER:	9	WHEEL BASE:	
3	DATE:	10	SEATING CAPACITY: 30 + 1 DRIVER	
4	DEPOT:	11	MODEL:	
5	REGION:	12	CHASSIS NO: Eng.NO:	
6	TYPE OF BODY: INDRA	13	YEAR OF MANUFACTURING:	
_	NAME OF THE FABRICATOR	14	Wheather the fabricator is approved fabricator /	
7			not	
SL. NO	DESCRIPTION		SPECIFICATIONS	REMARKS
	Body Structure		M.S. rolled sections & GI pressed sections for	
			under frame, GI tubular structure for side & roof	
2	Body panels Exterior	a.	Single stretched panel in 0.91 mm GI sheet for	
			body panel on both sides	
		b.	1.6 mm thick Alu sheet for fixed skirt panels	
			(between rub rail and skirt rail)	
		c.	2.0 mm thick Alu sheet for flap doors	
			0.91 mm GI Sheet in two pieces (one longitudinal	
			weld joint) for Roof top.	
3	Front and Rear facia		To be provided in 4 mm thick FRP profiles.	
4	Wheel fenders		To be provided in 3mm thick FRP profiles.	
$\overline{}$	Body panels Interior	a.	3.0 mm thick ACPsheet for Roof center sheet.	
		b.	ACP 3.00 mm for roof side sheets, Truss panels	
			and window finishers.	
6	Saloon & cabin floor sheet		12 mm thick cheq. Plywood overlaid with 2 mm	
			thick vinyl mat. Edges of vinyl mat is to be hot	
			air welded.	
7	Rear overhang		3400-3550 MM+/- 10 MM	
	Overall width of body		2590 mm +/- 10mm	
9	Pillar Center distance (Standard)		1900 mm +/- 5 mm	
10	Clear width of Pasenger Entrance		Min 650 mm	
11	Clear height of Passenger entrance		2050 mm min +/- 10mm	
12	First step height from ground		400 mm max.	
	Stepwell tread Depth		Min 300 mm (overall)	
	Interior saloon height		2240 ± 10 mm	
15	No of BERTHS		30 (15 Upper+15 Lower).	
16	Berth pattern		1x2,Upper & Lower	
17	Double Berth Details (mm)		min 1860 Length and 1220 Width.	
18	Single Berth Details (mm)		min 1860 Length and 610 Width.	
19	Back pad provision		Individual Back Pads to be provided	
20	Luggage Rack Provision		Individual Luggage Racks to be provided in every coupe	
21	Water Bottle holders		Water Bottle Holders for each bearth	
22	Cell phone charging		Cell phone /Lap top Charging provision to be	
			provided for each bearth	
23	Gang way		min 600 mm	
		a.	Tread - 12 mm plywood over laid with 2mm Vinyl mat	
1		b.	Raiser - 0.91 mm GI sheet over laid with 0.5 mm	
24	Step well panelling		Istainless steel.	
24	Step well panelling	c.	stainless steel. Edges to be provided with step edge similar to	

detachable upper cover					
Bonnet B. Inner surface to be provided with 25 mm glass wood with 0.4 mm of sheet lining III. Outer surface to be provided with 0.5 mm stadiness steed sheet.				i. To be provided in 12 mm plywood with	
wool with 0.4 mm of sheet timing iii. Outer surface to be provided with 0.5 mm stainless steel sheet. a. Pneumaticaly operated in swing door with open closes' manual stages. b. Linkages of the door shalt have thrust bearing at bottom and taper rolled rebaring at top. c. One PU handle to be provided on inner face of the door. d. One LED lamp on inner face of the door to be provided. 27. Berth Cushions 1860 X 500 X 100 mm Windows Curred toughened light grey / bronze tinted window glasses of \$20 x 93 0 x 93 0 x 5m m 28. Windows Curred toughened light grey / bronze tinted window glasses of \$20 x 93 0 x 5m m 29. Driver baricade & assist rails 25mm dia x 1.6 mm thick stailess steel tube Below floor level behind FNS wheel 30. Location of Battery box with wewveiting mechanism 31. Interior paneling of battery box 32. Front windshield glass 33. Cab door glasses 34. Front End oor 35. Rear saloon glasses 36. Clear toughened glasses 37. Oo x5 mm Rear luggage booth 36. Rear saloon glass 37. Oo x5 mm Rear luggage booth with 38. Rear luggage booth 40. Side walls-0.91 mm Gl sheet with Hammer Tone Paint C. Flap door - 1.2 mm cheq. Plywood overlaid with 2 mm Alu. Chg. sheet Co. driver berth C. Flap door - 2.5 mm Alu sheet with 2 nos southco type tocks and 2 nos of \$50 N b balancers 38. Co - driver berth C. Flap door - 2.5 mm Alu sheet with 2 nos southco type tocks and 2 nos of \$50 N b balancers 39. Attender seat A miller a Speakers A provision of TV 20. Electrical Fittings A provision of TV 20. Electric Saney I Plane of Panel A miller a Speakers A provision of TV 20. Electric Saney I Plane of Door A 100 M Adel. 5 nos speakers to be provided in saloon with RPb Doxes 40. Invertor Capacity & Make To be provided with LCD monitor on dash board to be to be provided to be provided to				· ·	
stainless steet sheet. a. Peasematically operated in swing door with open/close/manual stages. b. Linkages of the door shall have thrust bearing at bottom and taper coline Pearing at top. c. One PU handle to be provided on inner face of the door. d. One LED lamp on inner face of the door to be provided. 27 Berth Cushions 1860 X 600 X 100 mm Curved toughened light grey / bronze tinted window glasses of 320 x 330 x5 mm 29 Driver baricade & assist rails 25 mm dia x 1.6 mm thick stainless steel tube 25 Location of Battery box with swivelling mechanism 31 Interior paneting of battery box 32 Front windshield glass 33 Cab door glasses 34 Front Ent door 35 Rear saloon glass Glear toughened glasses Glear toughened glasses Toughened bronze tinted glasses Toughened bronze t	25	Bonnet			
a. Pneumaticaly operated in swing door with open/close/manual stages. b Linkages of the door shalt have thrust bearing at bottom and taper roller bearing at top. c. One LED lamp on inner face of the door to be provided. 27 Berth Cushions 1860 × 600 × 100 mm 28 Windows Curved toughened light grey / bronze tinted window glasses of \$20 × 93 v.5 mm 29 Driver baricade & assist rails 25mm dia x 1.6 mm thick stainless steet tube 29 Location of Battery box with swelling mechanism 21 miterior paneling of battery box with swelling mechanism 31 interior paneling of battery box 255 mm size of make DURASAFE, REALSAFE, ATULTEMP, ATULSAFE, SECURT, GSC & YOUNG 97R 255 mm size of make DURASAFE, REALSAFE, ATULTEMP, ATULSAFE, SECURT, GSC & YOUNG 97R 255 mm size of make DURASAFE, REALSAFE, ATULTEMP, ATULSAFE, SECURT, GSC & YOUNG 97R 255 mm size of make DURASAFE, SECURT, GSC & YOUNG 97R 255 missed 978 mm size of ma				·	
pessenger entrance door Come PU handle to be provided on inner face of the door.					
b Linkages of the door shall have thrust bearing at bottom and taper roller bearing at top. c. One PU handle to be provided on inner face of the door. d. One LED lamp on inner face of the door to be provided. 27 Berth Cushlons 1860 X 600 X 100 mm 28 Windows Curved toughened light grey / bronze tinted window glasses of \$20 x 730 x 5 mm with the saveletting mechanism 29 Driver baricade & assist rails 20 Location of Battery box with switching mechanism 31 Interior paneling of battery box 31 Interior paneling of battery box 32 Front windshield glass 33 Cab door glasses 34 Front Ent door 35 Rear saloon glass 36 Rear saloon glass 37 Destination Boards 38 Rear luggage booth 39 Rear luggage booth 20 Destination Boards 30 Destination Boards 31 Destination Boards 32 Destination Boards 33 Destination Boards 34 Attender seat 45 Provision of TV 46 Rear View camara 46 Rear View camara 47 Provision of TV 28 LED Tvo f Samsun / Populador V LG / Phillips make Aargee / Neetu Solar System / MS Colar / Phillips make 48 Rear View camara 49 Provision of TV 29 Let ED Tvo f Samsun / Panasonic / Sony / LG / Phillips make 44 Rear View camara 44 Rear View camara 55 Destriand on Tughender borace trained glasses Aargee / Neetu Solar System / MS Colar Phillips make 44 Rear View camara 56 Destriation on Sony / LG / Phillips make 46 Rear View camara 57 Destriation of TV 28 LED Tvo f Samsung / Panasonic / Sony / LG / Phillips make 47 De provided 48 Rear View camara 49 Provision of TV 29 Let ED Tvo f Samsung / Panasonic / Sony / LG / Phillips make 49 Provision of TV 20 Let De provided with LCD monitor on dash board to be be to be provided with LCD monitor on dash board to be be to			a.		
Dottom and taper roller bearing at top.				-	
Passenger entrance door			b		
c. One PU handle to be provided on inner face of the door. d. One LED lamp on inner face of the door to be provided. 27 Berth Cushions 1860 X 600 X 100 mm 1860 X 600 X 100 m	26	Passenger entrance door			
d. One LED lamp on inner face of the door to be provided. 27 Berth Cushions 1860 X 600 X 100 mm Curved toughened light grey / bronze tinted window glasses of \$20 x 930 x5 mm Pm			c.		
provided. 1860 x 600 x 100 mm 28 Windows Curved toughened light grey / bronze tinted window glasses of \$20 x 930 x 5 mm 25 mm dia x 1.6 mm thick stainless steel tube 20 Location of Battery box with swivelting mechanism 25 mm dia x 1.6 mm thick stainless steel tube 20 S mm S sheet. 25 mm size of make DURASAFE, RALLSAFE, ATULTEMP, A			Ь		
Curved toughened light grey / bronze tinted window glasses of 520 x 930 x5 mm			ŭ.	·	
Curved toughened light grey / bronze tinted window glasses of 520 x 930 x 5mm	27	Berth Cushions		•	
25 Driver baricade & assist rails 25mm dia x 1.6 mm thick stainless steel tube	28	Windows			
Selow floor level behind FNS wheel				window glasses of 520 x 930 x5 mm	
Swivelling mechanism Simple Simpl	29	Driver baricade & assist rails		25mm dia x 1.6 mm thick stainless steel tube	
Swivelling mechanism Simple Simpl	30	Location of Battery box with		Below floor level behind FNS wheel	
Single Laminated curved glass of 1712 mm x 2555 mm size of make DURASAFE, REALSAFE, ATULTERM, ATULSAFE, SECURE, SECURIT, GSC & VOLVO B7R ATULSAFE, SECURE, SECURIT, GSC & VOLVO B7R 33 Cab door glasses Clear toughened glasses Toughned bronze tinted glass					
32 Front windshield glass 2555 mm size of make DURASAFE, REALSAFE, ATULTEMP, ATULSAFE, SECURE, SECURIT, GSC & YOLVO B7R	31	Interior paneling of battery box			
Section Sect					
33 Cab door glasses 34 Front Ent door Toughened bronze tinted glasses Toughened bronze tinted gl	37	Front windshield glass		, , , , , , , , , , , , , , , , , , , ,	
33 Cab door glasses Clear toughened glasses 34 Front Ent door Toughened bronze tinted glasses 35 Rear saloon glass Toughened bronze tinted glass of Size:1900 x 760 x5 mm 36 Rear luggage booth Rear luggage booth with 36 Rear luggage booth Rear luggage booth with 36 Rear luggage booth Side walls- 0.91 mm Gl sheet with Hammer Tone Paint 37 Destination Boards Front & Rear LED Destination Boards to be provided 38 Co - driver berth Destination Boards to be provided 38 Co - driver berth Destination Boards to be provided 39 Attender seat To be provided 40 Driver seat To be provided 41 Amlifier & Speakers Ahuja make DPA 570 / 370 models or Sony make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided in saloon with FRP boxes 42 Invertor Capacity & Make Power Command / Powertronics make of 1kVA capacity & Pure sinewave type 43 Provision of TV 28 LED TV of Samsung / Panasonic / Sony / LED / Phillips make 44 Rear view camara To be provided 45 To be provided To be provided 46 Porvision of TV 28 LED TV of Samsung / Panasonic / Sony / LED / Phillips make 47 To be provided To be provided 48 Rear view camara To be provided 49 To be provided To be provided 40 To be provided To be provided 41 Rear view camara To be provided 42 To be provided To be provided 43 Provision of TV 28 LED TV of Samsung / Panasonic / Sony / LG / Phillips make 44 Rear view camara To be provided 45 To be provided To be provided 46 To be provided To be provided 47 To be provided To be provided To be provided 48 To be provided To be provided To be provided 49 To be provided To be provided To be provided 40 To be provided To be provided To be provided To be provided 41 To be provided To be provided To be provided 42 To be provided To be provided To be provided To be	J-	The manner grass			
Toughened bronze tinted glasses Toughened bronze tinted glasses Toughened bronze tinted glass of Size:1900 x 760 x5 mm Rear luggage booth with a. Floor - 12 mm cheq. Plywood overlaid with 2 mm Alu.chq.sheet b. Side walls: 0.91 mm Gl sheet with Hammer Tone Paint c. Flap door - 2.5 mm Alu sheet with 2 nos southco type locks and 2 nos of 550 N balancers To be provided a. To be provided a. To be provided in 1600 mm x 480 mm with an extension (foldable) of 300 mm b. Finishing - Black Powder Coating c. Cushion - 50 mm thick & Fabric of Raymond / BMD /RELIANCE Ali Bellow type driver seat to be provided Amilifier & Speakers Ali Bellow type driver seat to be provided Amilifier & Speakers Ali Bellow type driver seat to be provided in saloon with FRP boxes Aargee / Neetu Solar System/ MG Solar Powertronics make of 1kVA capacity & Pure sinewave type 44 Rear view camara To be provided with LCD monitor on dash board to be to be provided To be provided To be provided To be provided To be provided in saloon To be provided To be provided in saloon To be provided	22		<u> </u>		
Toughned bronze tinted glass of Size:1900 x 760 x5 mm			<u> </u>		
760 x5 mm Rear luggage booth with Rear luggage booth with Rear luggage booth with Rear luggage booth with Rear luggage booth Rear luggage boot			<u> </u>		
Rear luggage booth with a. Floor - 12 mm cheq. Plywood overlaid with 2 mm Alu.chq.sheet b. Side walls- 0.91 mm Gl sheet with Hammer Tone Paint c. Flap door - 2.5 mm Alu sheet with 2 nos southco type locks and 2 nos of 550 N balancers 37 Destination Boards Front & Rear LED Destination Boards to be provided a. To be provided in 1600 mm x 480 mm with an extension (foldable) of 300 mm b. Finishing - Black Powder Coating c. Cushion - 50 mm thick & Fabric of Raymond / BMD /RELIANCE 39 Attender seat To be provided Air Bellow type driver seat to be provided Electrical Fittings 41 Amlifier & Speakers Ahuja make DPA 570 / 370 models or Sony make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided in saloon with FRP boxes 42 Invertor Capacity & Make Argee / Neetu Solar System/ MG Solar Powertronics make of 1kVA capacity & Pure sinewave type 43 Provision of TV 28 LED TV of Samsung / Panasonic / Sony / LG / Phillips make To be provided with LCD monitor on dash board to be to be provided	აა	near Saluuri glass			
a. Floor - 12 mm cheq. Plywood overlaid with 2 mm Alu.chq.sheet b. Side walls- 0.91 mm Gl sheet with Hammer Tone Paint c. Flap door - 2.5 mm Alu sheet with 2 nos southco type locks and 2 nos of 550 N balancers 37 Destination Boards Front & Rear LED Destination Boards to be provided a. To be provided in 1600 mm x 480 mm with an extension (foldable) of 300 mm b. Finishing - Black Powder Coating c. Cushion - 50 mm thick & Fabric of Raymond / BMD / RELIANCE To be provided Air Bellow type driver seat to be provided Electrical Fittings Ahuja make DPA 570 / 370 models or Sony make Digital Media Player of DSX - A100U Model. 5 nos speakers to be provided in saloon with FRP boxes Aargee / Neetu Solar System/ MG Solar Powertronics make of 1kVA capacity & Pure sinewave type 42 Invertor Capacity & Make To be provided with LCD monitor on dash board to be to be provided				1	
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43 Provision of TV 28" LED TV of Samsung / Panasonic / Sony / LG / Phillips make 44 Rear view camara To be provided with LCD monitor on dash board to be to be provided	42	почетот Сарасіту & маке			
Phillips make 44 Rear view camara To be provided with LCD monitor on dash board to be to be provided	43	Provision of TV	1		
to be to be provided	-13	TOYBIOTION IT		_ ·	
·	44	Rear view camara		To be provided with LCD monitor on dash board	
45 CC Cameras with night vision and One DVD				to be to be provided	
	45	CC Cameras		Three CC cameras with night vision and One DVR	
of 15 days recording capcity.	73				

46	Roof lights	6 Nos LED light assemblies of 390 x130 mm size in saloon out of which two asseblies shall have	
		in-built night lamps in blue colour	
47	Head Lights	4 nos to be provided	
	Parking lights & Indicator lights	LED 2 NOS at front 2 nos at rear	
49	Tail lamps	LED Lights 5" dia 3 nos on each side	
50	Height Marker Lamps	LED 2 nos in white at front 2 nos in red at rear	
51	Cabin fan	To be provided	
_	Reverse horn	To be provided	
	Cabin / step well lights	LED to be provided	
	Wind sheild wiper	Electrical - Radial type , 120 W capacity with washer tank	
	Misclleneous items		
55	Roof hatch	2 nos of "MSL" / "Spheros" make roof Hatches to be provided.	
56	Curtains	Curtains to be provided with ABS/PVC retaining hook on each pillar	
57	Turf mat	To be provided in gangway, in cabin up to partition and on step well tread area	
58	Glass breaking hammers	10 nos of pointed glass breaking hammers with clamp & retractable strap to be provided	
59	Rear view mirrors	2 nos with Electrically controlled for operation	
60	Fire exstinguishers	B&C Class 6kgs & 4 Kgs 2nos ,Total of 10kgs capacity to be provided	
61	TIM Stand	To be provided on Dash Board.	
62	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust converter area .Min Size 500 x 500 mm	
63	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min 300 x 300 mm	
64	EATS Protection from painting	Chassis paint Should not be sprayed over the EATS system.	
65	DAT,ATF Oil tank & Air Cleaner Servicing doors	DAT & ATF oil ,Air Cleaner Servicing doors to be provided.	
66	First aid box with medicines	To be provided	
67	Safety belt for driver seat , single seat & middle seat of 5 seater.	To be provided	
68	Display of all slogans, seat nos and lables	To be provided	
69	Spare wheel with carrier and tools	To be provided	
	Sharp edges and protrusions	To be eleminated	
	Overall finish	To be satisfactory	<u> </u>
	Body Painting & Colour Scheme	As per approved colour scheme	
73	APSRTC' Stickering on front wind	7" height ' Times new roman' font without dots in	
	screen glass and other monogram & depot slogans	between letters as communicated by APSRTC and all stickering work to be done.	

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

	Inspection format for checking Hire Buses of Tender-MSTC-VI -INDRA-2022				
1					
	NAME OF THE OWNER:	9	WHEEL BASE:		
\vdash	DATE:		SEATING CAPACITY: 40+ 1 DRIVER		
	DEPOT:	_	MODEL:		
	REGION:	_	CHASSIS NO: Eng.NO:		
	TYPE OF BODY: INDRA		YEAR OF MANUFACTURING:		
	NAME OF THE FABRICATOR		Wheather the fabricator is approved fabricator / not		
	DESCRIPTION	14	SPECIFICATIONS	REMARKS	
NO	DESCRIPTION		SFECII ICATIONS	REMARKS	
1	Body Structure		M.S. rolled sections & GI pressed sections for under frame, GI tubular structure for side & roof		
2	Body panels Exterior	a.	Single stretched panel in 0.91 mm GI sheet for body panel on both sides		
		b.	1.6 mm thick Alu sheet for fixed skirt panels (between rub rail and skirt rail)		
		c.	2.0 mm thick Alu sheet for flap doors		
			0.91 mm GI Sheet in two pieces (one longitudinal weld joint) for Roof top.		
3	Front and Rear facia		To be provided in 4 mm thick FRP profiles.		
\vdash	Wheel fenders		To be provided in 3mm thick FRP profiles.		
	Body panels Interior	a	3.0 mm thick ACP sheet for Roof center sheet.		
J	body panets interior		PVC laminted GI sheet of 0.7 mm thick for roof side		
		υ.	sheets, bottom side of hat racks and window finishers.		
6	Saloon & cabin floor sheet		12 mm thick cheq. Plywood overlaid with 2 mm thick vinyl mat. Edges of vinyl mat is to be hot air welded.		
7	Rear overhang		3400 to 3550 MM +/- 10 MM		
	Overall width of body		2590 mm +/- 10mm		
	Pillar Center distance (Standard)		1524 mm +/- 5 mm		
	Clear width of Pasenger Entrance		Min 650 mm		
-	Clear height of Passenger entrance		2050 mm min +/- 10mm		
	First step height from ground		400 mm max.		
	Stepwell tread Depth		Min 300 mm (overall)		
			2000 ± 10 mm		
-	No of SEATS		40 +1 (driver) Nos		
	Seating pattern		2 x 2		
	Seat span		min 740 mm +/- 5mm		
	Seat pitch		min 880 mm +/- 5mm		
-	Gang way		min 380 mm		
	Step well panelling	a.	Tread - 12 mm plywood over laid with 2mm Vinyl mat		
			Raiser - 0.91 mm GI sheet over laid with 0.5 mm stainless steel.		
		c.	Edges to be provided step edge similar to ISUZU /VOLVO		
			section with pvc insert.		
21	Bonnet		i. To be provided in 12 mm plywood with detachable upper cover		
			ii. Inner surface to be provided with 25 mm glass wool with		
			0.4 mm GI sheet lining iii. Outer surface to be provided with 0.5 mm stainless		
			steel sheet.		
22	Passenger entrance door	a.	Pneumaticaly operated in swing door with open/close/manual stages.		
		b	Linkages of the door shall have thrust bearing at bottom		
			and taper roller bearing at top.		
c. One PU handle to be provided on inner face of the door.					
		d.	One LED lamp on inner face of the door to be provided.		
23	Seats		Haritha make Magnum model seats with 250mm reclining		
24	Windows		Curved toughened light grey / bronze tinted window		
			glasses of 1514 x 1000 x5 mm		
	Driver baricade & assist rails		25mm dia x 1.6 mm thick stainless steel tube		
	Location of Battery box with		Below floor level behind FNS wheel		
	swivelling mechanism				

27	Later de la constitución de la c		lo F CC .t	T
	Interior paneling of battery box	-	0.5 mm SS sheet.	
28	Front windshield glass		Single laminated curved glass of 1712 mm x 2555 mm size of make DURASAFE, REALSAFE, ATULTEMP, ATULSAFE, SECURE, SECURIT, GSC & VOLVO B7R	
29	Cab door glasses		Clear toughened glasses	
	Front Ent door		Toughened bronze tinted glasses	
	Rear saloon glass	+	Toughned bronze tinted glass of Size:1900 x 760 x5 mm	
	grade same and grade		5 5 5 5 5	
32	Driver partition with route cum		Full partition with JK door and 3 mm ACP panelling on	
	timing board to be provied		both sides, provision for fitment of TV and sliding window	
			with 260 mm x 260 mm size shutter glasses shall be	
			provided	
33	Rear luggage booth		Rear luggage booth with	
		a.	Floor - 12 mm cheq. Plywood overlaid with 2 mm	
			Alu.chq.sheet	
			Side walls- 0.91 mm GI sheet with hammer tone paint	
		c.	Flap door - 2 mm Alu sheet with 2 nos southco type locks	
			and 2 nos of 550 N balancers	
34	Destination Boards		Front & Rear LED Destination Boards to be provided	
35	Ladder in two piece(Lower piece		To be provided	
	detachable)			
36	Attender seat		To be provided	
37	Co - driver berth	a.	To be provided in 1600 mm x 480 mm with an extension	
		<u> </u>	(foldable) of 300 mm	
			Finishing - Black Powder Coating	
		c.	Cushion - 50 mm thick & Fabric of Raymond / BMD	
20	Driver	-	/RELIANCE	
30	Driver seat		Air Bellow type driver seat to be provided	
30	Electrical Fittings AC UNIT	+	'Eberspacher'/'JTAC' make (Model: AC 353G4.II BC cool	
37	AC ONT		with 5 speed,560 cc compressor, Min 37 kW cooling	
			capacity, Brushless Blower motors & 20% FA) AC unit shall	
			be provided.	
40	Amlifier & Speakers	-	Ahuja make DPA 570 / 370 models OR Sony make Digital	
	Antiner a speakers		Media Player of DSX - A100U Model. 5 nos speakers to be	
			provided in saloon with FRP boxes	
41	Invertor Capacity & Make		Aargee / Neetu Solar System/ MG Solar Powertronics	
	, ,		make of 1kVA capacity & Pure sinewave type	
42	Provision of TV		28" LED TV of Samsung / Panasonic / Sony / LG / Phillips	
			make	
43	Rear view camara		To be provided with LCD monitor on dash board to be to	
			be provided	
44	Roof lights		6 Nos LED light assemblies of 390 x130 mm size in saloon	
			out of which two asseblies shall have in-built night lamps	
			in blue colour	
45	Head Lights		4 nos to be provided	
	Parking lights & Indicator lights		LED 2 NOS at front 2 nos at rear	
	Tail lamps		LED Lights 5" dia 3 nos on each side	
	Height Marker Lamps	-	LED 2 nos in white at front 2 nos in red at rear	
49	Cell phone charging	a	To be provided with sunken type pouch with steel lining	
		<u>. </u>	and wood beeding on edges on driver partition	
		b	Socket & switches of modular type for 2 cell phones at	
ΕΛ	CC Comoros	+-	time to be provided	
50	CC Cameras		Three CC cameras with night vision and One DVR of 15 days recording capacity.	
F.4	Cahin fan	+-		
51 52	Cabin fan Reverse horn	+-	To be provided To be provided	
	Cabin / step well lights	+	LED to be provided	
	Wind sheild wiper	+	Electrical - Radial type , 120 W capacity with washer tank	
J- 1	mina siletta wipei		Licetificat - National type , 120 W Capacity with washer talk	
	Misclleneous items	+		
55	Roof hatch	+	2 nos of "MSL" / "Spheros" make roof Hatches to be	
			provided.	
	<u> </u>		<u>r</u>	1

56	Curtains	Curtains to be provided with ABS/PVC retaining hook on each pillar	
57	Turf mat	To be provided in gangway, in cabin up to partition and on step well tread area	
58	Glass breaking hammers	10 nos of pointed glass breaking hammers with clamp & retractable strap to be provided	
59	Rear view mirrors	2 nos with electrical controls for operation	
60	Fire exstinguishers	B&C Class 6kgs & 4 Kgs 2nos ,Total of 10kgs capacity to be provided	
61	TIM Stand	To be provided on Dash Board.	
62	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust converter area .Min Size 500 x 500 mm	
63	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min 300 x 300 mm	
64	EATS Protection from painting	Chassis paint Should not be sprayed over the EATS system.	
65	DAT,ATF Oil tank & Air Cleaner Servicing doors	DAT & ATF oil ,Air Cleaner Servicing doors to be provided.	
66	First aid box with medicines	To be provided	
67	Safety belt for driver seat , single seat & middle seat of 5 seater.	To be provided	
68	Display of all slogans, seat nos and lables	To be provided	
69	Spare wheel with carrier and tools	To be provided	
	Sharp edges and protrusions	To be eleminated	
	Overall finish	To be satisfactory	
	Body Painting & Colour Scheme	As per approved colour scheme	
73	APSRTC' Stickering on front wind screen glass and other monogram & depot slogans	7" height 'Times new roman' font without dots in between letters as communicated by APSRTC and all stickering work to be done.	

DyCME	DyCTM	DPTO
(Member)	(Member)	(Chairman)

	-	_	ng Hire Buses of Tender-MSTC-V	I -AC JLLLPLK-ZUZZ	
1	VEHICLE NO:	8	CHASSIS MAKE :		
2	NAME OF THE OWNER:	9	WHEEL BASE:		
3	DATE:	10	SEATING CAPACITY: 30 + 1 DRIVER	SEATING CAPACITY: 30 + 1 DRIVER	
4	DEPOT:	11	MODEL:		
5	REGION:	12	CHASSIS NO: Eng.NO:		
6	TYPE OF BODY: INDRA	13	YEAR OF MANUFACTURING:		
7	NAME OF THE FABRICATOR	14	Wheather the fabricator is approved fabricator / not		
L. 0	DESCRIPTION		SPECIFICATIONS	REMARKS	
1	Body Structure		M.S. rolled sections & GI pressed sections for under frame, GI tubular structure for side & roof		
2	Body panels Exterior	a.	Single stretched panel in 0.91 mm GI sheet for body panel on both sides		
		b.	1.6 mm thick Alu sheet for fixed skirt panels (between rub rail and skirt rail)		
		c.	2.0 mm thick Alu sheet for flap doors		
		d.	0.91 mm GI Sheet in two pieces (one		
			longitudinal weld joint) for Roof top.		
3	Front and Rear facia		To be provided in 4 mm thick FRP profiles.		
4	Wheel fenders		To be provided in 3mm thick FRP profiles.		
5	5 Body panels Interior		3.0 mm thick ACPsheet for Roof center sheet.		
		b.	ACP 3.00 mm for roof side sheets, Truss panels and window finishers.		
6	Saloon & cabin floor sheet	-	12 mm thick cheq. Plywood overlaid with		
0	Satoon & Cabin Root Sheet		2 mm thick vinyl mat. Edges of vinyl mat		
_		_	is to be hot air welded.		
7	Rear overhang		3400-3550 MM+/- 10 MM		
8	Overall width of body	-	2590 mm +/- 10mm		
9	Pillar Center distance (Standard)	-	1900 mm +/- 5 mm		
10	Clear width of Pasenger Entrance		Min 650 mm		
11	Clear height of Passenger entrance		2050 mm min +/- 10mm		
12	First step height from ground		400 mm max.		
13	Stepwell tread Depth		Min 300 mm (overall)		
14	Interior saloon height		2240 ± 10 mm		
15	No of BERTHS		30 (15 Upper+15 Lower).		
16	Berth pattern		1 x 2,Upper & Lower		
17	Double Berth Details		min 1860 Length and 1220 Width.		
18	Single Berth Details		min 1860 Length and 610 Width.		
19	Back pad provision		Individual Back Pads to be provided		
20	Luggage Rack Provision		Individual Luggage Racks to be provided in every coupe		
21	Water Bottle holders		Water Bottle Holders for each bearth to be provided		
22	Cell phone charging		Cell phone /Lap top Charger to be provided to each bearth		
23	Gang way	1	min 600 mm		
		a. b.	Tread - 12 mm plywood over laid with 2mm Vinyl mat Raiser - 0.91 mm GI sheet over laid with 0.5 mm stainless steel.		
4 4	Step well panelling	c.	Edges to be provided step edge similar to ISUZU /VOLVO section with pvc insert.		

			i. To be provided in 12 mm plywood with	
			detachable upper cover	
			ii. Inner surface to be provided with 25	
25	Bonnet		mm glass wool with 0.4 mm GI sheet lining	
			iii. Outer surface to be provided with 0.5	
			mm stainless steel sheet.	
		a.	Pneumaticaly operated in swing door with	
			open/close/manual stages.	
		b	Linkages of the door shall have thrust	
			bearing at bottom and taper roller bearing	
26	Passenger entrance door		at top.	
	_	c.	One PU handle to be provided on inner	
			face of the door.	
		d.	One LED lamp on inner face of the door to	
			be provided.	
27	Berth Cushions		1860 X 600 X 100 mm	
28	Windows		Curved toughened light grey / bronze	
			tinted window glasses of 1900 x 1220 x5	
			mm	
29	Driver baricade & assist rails		25mm dia x 1.6 mm thick stainless steel	
			tube	
30	Location of Battery box with		Below floor level behind FNS wheel	
	swivelling mechanism			
31	Interior paneling of battery box		0.5 mm SS sheet.	
	Front windshield glass		Single laminated curved glass of 1712 mm	
			x 2555 mm size of make DURASAFE,	
			REALSAFE, ATULTEMP, ATULSAFE,	
			SECURE, SECURIT , GSC & VOLVO B7R	
33	Cab door glasses		Clear toughened glasses	
34	Front Ent door		Toughened bronze tinted glasses	
35	Rear saloon glass		Toughned bronze tinted glass of	
			Size:1900 x 760 x5 mm	
36	Rear luggage booth		Rear luggage booth with	
		a.	Floor - 12 mm cheq. Plywood overlaid	
			with 2 mm Alu.chq.sheet	
		b.	Side walls- 0.91 mm GI sheet with	
			hammer Tone Paint	
		c.	Flap door - 2.5mm Alu sheet with 2 nos	
			southco type locks and 2 nos of 550 N	
			balancers	
37	Destination Boards		Front & Rear LED Destination Boards to be	
			provided	
38	Co - driver berth	a.	To be provided in 1600 mm x 480 mm with	
-			an extension (foldable) of 300 mm	
			, , ,	
		b.	Finishing - Black Powder Coating	
		с.	Cushion - 50 mm thick & Fabric of	
			Raymond / BMD / RELIANCE	
39	Attender seat		To be provided	
40	Driver seat		Air Bellow type driver seat to be provided	
			size sypt and state to be provided	
	Electrical Fittings			
			'Eberspacher'/'JTAC' make (Model: AC	
41	AC UNIT			
41	AC UNIT		353G4.II BC cool with 5 speed,560 cc	
41	AC UNIT		353G4.II BC cool with 5 speed,560 cc compressor, Min 37 kW cooling capacity,	
41	AC UNIT		• *	
41	AC UNIT		compressor, Min 37 kW cooling capacity,	
			compressor, Min 37 kW cooling capacity, Brushless Blower motors & 20% FA) AC unit shall be provided.	
	AC UNIT Amlifier & Speakers		compressor, Min 37 kW cooling capacity, Brushless Blower motors & 20% FA) AC unit shall be provided. Ahuja make DPA 570 / 370 models OR	
			compressor, Min 37 kW cooling capacity, Brushless Blower motors & 20% FA) AC unit shall be provided. Ahuja make DPA 570 / 370 models OR Sony make Digital Media Player of DSX -	
			compressor, Min 37 kW cooling capacity, Brushless Blower motors & 20% FA) AC unit shall be provided. Ahuja make DPA 570 / 370 models OR	

43	Invertor Capacity & Make	Aargee / Neetu Solar System/ MG Solar		
		Powertronics make of 1kVA capacity &		
		Pure sinewave type		
44	Provision of TV	28" LED TV of Samsung / Panasonic / Sony / LG / Phillips make		
45	Rear view camara	To be provided with LCD monitor on dash board to be to be provided		
46	CC Cameras	Three CC cameras with night vision and One DVR of 15 days recording capcity.		
47	Roof lights	6 Nos LED light assemblies of 390 x130 mm		
		size in saloon out of which two asseblies		
		shall have in-built night lamps in blue		
		colour		
	Head Lights	4 nos to be provided		
	Parking lights & Indicator lights	LED 2 NOS at front 2 nos at rear		
50 51	Tail lamps Cabin fan	LED Lights 5" dia 3 nos on each side To be provided		
-	Reverse horn	To be provided		
	Cabin / step well lights	LED to be provided		
	Wind sheild wiper	Electrical - Radial type , 120 W capacity		
		with washer tank		
	Misclleneous items			
55	Roof hatch	2 nos of "MSL" / "Spheros" make roof		
		Hatches to be provided.		
56	Curtains	Curtains to be provided with ABS/PVC retaining hook on each pillar		
57	Turf mat	To be provided in gangway, in cabin up to partition and on step well tread area		
58	Glass breaking hammers	10 nos of pointed glass breaking hammers with clamp & retractable strap to be		
		provided		
59	Rear view mirrors	2 nos with Electrically controlled for operation		
60	Fire exstinguishers	B&C Class 6kgs & 4 Kgs 2nos ,Total of		
		10kgs capacity to be provided		
61	TIM Stand	To be provided on Dash Board.		
62	EATS Flap door with Louers at RHS	EATS flap door to be provided at Exhaust		
		converter area .Min Size 500 x 500 mm		
63	Urea Tank Neck opening provision	Urea Tank neck opening provision of falp door size Min 300 x 300 mm		
64	EATS Protection from painting	Chassis paint Should not be sprayed over the EATS system.		
65	DAT,ATF Oil tank & Air Cleaner	DAT & ATF oil ,Air Cleaner Servicing doors		
	Servicing doors	to be provided.		
	First aid box with medicines	To be provided		
67	Safety belt for driver seat , single seat & middle seat of 5 seater.	To be provided		
68	Display of all slogans, seat nos and lables	To be provided		
69	Spare wheel with carrier and tools	To be provided		
70	Sharp edges and protrusions	To be eleminated		
	Overall finish	To be satisfactory		
	Body Painting & Colour Scheme	As per approved colour scheme		
73	APSRTC' Stickering on front wind	7" height ' Times new roman' font without		
	screen glass and other monogram &	dots in between letters as communicated		
	depot slogans	by APSRTC and all stickering work to be done.		
		uone.		

Annexure- 11

INSPECTION OF PRIVATE HIRE BUSES AT THE TIMEOF FC RENEWAL

No.	Description	Condition
1	Vehicle No.	
2	Depot to which it is allotted	
3	FC due date	
4	BODY CONDITION	
a)	Attention to dents, scratches, body damages	
b)	Attention to Passenger/Driver doors, assist rails, step well	
c)	Attention to Window Guard rails, replacement of broken	
	glasses, terene felt/flock channel	
	Seat upholstery condition, replacement of tornout rexine/fabric	
	Attention to Parcel racks, Luggage Carrier, Catwalk, Ladder	
	Full painting inside & outside including statutory slogans,	
	earmarking of seat reservation, seat Nos.	
	Cleanliness of Roof light glasses for better illumination	
	Provision of FIRST AID box with Medicines	
5	CHASSIS CONDITION	
a)	Functioning of Two Air Gauges	
b)	Attention of air leakages	
c)	Functioning of Hand Brake	
d)	Replacement of FC Units :	
	AC Head/ Air Compressor	
	Hand Brake valve	
	System Protection Valve	
	Unloader Valve/DDU	
	E2/DB Valve	
	Relay Valve	
	Low Pressure Warning Switches	
	Front Diaphragms	
	Rear Spring Brake Chambers	
e)	Replacement of FC Kit(ie., Rubber parts)	
f)	Replacement of Tie-rod & Pull & Push Rod ends	
,	Tapping of air pressure for Horn, Wiper etc., from port No.24	
g)	(Auxilary)	
h)	Functioning of all Lights	
	Head Lights	
	Parking Lights	
	Indicator Lights	
	Brake Light	
	Reverse Light & Horn	
i)	Adequate Brightness of H/Lights	
j)	Attention of Black Smoke, if any	
k)	Functioning of Wiper	
l)	Condition of Tyres:	
	Front/Spare Position - New	
	Rear Position - RC	
6	Recommendations of DyCME	The Vehicle is FIT/NOT FI for operation

Signature of DM

WORKS TO BE ATTENDED FOR HIRE BUS IN BODY OVERHAUL

VEHICL	E NO: DEPOT: ROUTE: DATE OF INSPECTION:								
SL.NO	DESCRIPTION	REMARKS							
1	Replacement of all seat bottoms and backs with new cushions and rexine								
2	Replacement of broken/damaged seat frames								
3	Attention of Driver seat of M/s Haritha seating system or M/s Pinackle make for good working condition								
4	Attention of damaged Dash board/Bonnet for good appearance								
5	Replacement of Dented/Torn panels and cornor domes								
6	Attention of Damaged /Broken pillars								
7	Attention of cabin to avoid any rattling by proper fitment of antisagbar and outriggers								
8	Attention of Electrical works with good Saloon lighting, Rear tail lamps, Marker lamps, Head lights and conductor's light								
9	Full painting of the Bus inside and out side								
10	Attention of Damages to Foot Board and Flooring and also to provide fluted strips to avoid slippery platform								
11	Replacement of Belting Fabric and Damaged body U-clamps								
12	Replacement of Terrene Felt/Flock Chennel of all Windows								
13	Replacement of broken/Missing window sliding glasses (with finger pull) and top fixed glasses								
14	Replacement of cracked wind screen rear saloon glasses								
15	Attention of Audio system by providing 6 speakers for effective functioning								
16	Attention of wiper machine for proper functioning								
17	Provision of standard size Front, Rear and Side Destination boards with illuminations								
18	Attention of passenger and driver dorrs by providing good quality door locks								
19	Attention of front and rear bumper damages								
20	Attention/Replacement of front show grill for good aesthetic								
21	Attention of ladder, un-loader and luggauge carrier								
22	Fitment of LH and RH vision mirrors								
23	Attention of								
	a) Driver partition								
	b) Driver barricade								
	c) Assist rails								
	d) Stanchions								
	e) Grab rail								
	f) Hat rack								
	g) Window guard rail								
24	Replacement of all arm slings								

DyCME DyCTM

District wise Committee for Hire bus inspection					
District		DyCME	DyCTM / DyCTM(O&C)		
MNYM		DyCME/VZM	DyCTM(O&C)/VSP		
VZM		DyCME/VZM	DyCTM(O&C)/VSP		
SKLM		DyCME/VZM	DyCTM(O&C)/VSP		
AKP		DyCME/VSP	DyCTM(O&C)/VSP		
ASR		DyCME/VSP	DyCTM(O&C)/VSP		
VSP		DyCME/VSP	DyCTM/VSP		
EG		DyCME/RJY	DyCTM(O&C)/VJA		
KKD		DyCME/RJY	DyCTM(O&C)/VJA		
KNSM		DyCME/RJY	DyCTM(O&C)/VJA		
WG		DyCME/RJY	DyCTM(O&C)/VJA		
ELR		DyCME/VJA	DyCTM(O&C)/VJA		
KRI		DyCME/VJA	DyCTM(O&C)/VJA		
NTR		DyCME/VJA	DyCTM/VJA		
GNT		DyCME/GNT	DyCTM(O&C)/NLR		
PLND		DyCME/GNT	DyCTM(O&C)/NLR		
BPT		DyCME/GNT	DyCTM(O&C)/NLR		
PKSM		DyCME/NLR	DyCTM(O&C)/NLR		
NLR		DyCME/NLR	DyCTM/NLR		
TPT		DyCME/TPT	DyCTM/TPT		
CTR		DyCME/CTR	DyCTM(O&C)/KDP		
ANM		DyCME/CTR	DyCTM(O&C)/KDP		
YSR		DyCME/KDP	DyCTM(O&C)/KDP		
NDI	ALG, BPL, KKL	DyCME/KDP	DyCTM(O&C)/KDP		
NDL	NDL, ATK, DHN, NDK	DyCME/KNL	DyCTM(O&C)/KDP		
KRNL		DyCME/KNL	DyCTM/KNL		
SSSAI		DyCME/ATP	DyCTM(O&C)/KDP		
ATP		DyCME/ATP	DyCTM/ATP		