



GOVERNMENT OF KERALA

Abstract

Water Resources Department – Revision of Schedule of Rates for the repair of Departmental Vehicles – Sanction accorded – Orders issued.

WATER RESOURCES (G&P) DEPARTMENT

G.O. (Rt) No.854/2022/WRD.

Dated, Thiruvananthapuram, 22.09.2022

- Read:-**
1. GO(Ms)No. 34/2019/WRD dated 29.08.2019
 2. Representation dated 10/02/2022 submitted by Association of Automobile Workshops of Kerala.
 3. Letters No. CMU/K/376/2022 dated 11/05/22 and 19/08/2022 from the Chief Engineer (Mechanical), Irrigation Department, Thiruvananthapuram.

ORDER

Vide Government Order read as 1st paper above, the rates for the repair of departmental vehicles were revised. Pursuant to the representation read as 2nd paper submitted by Association of Automobile Workshops of Kerala, the Chief Engineer, Mechanical vide letter read as 3rd paper above has submitted a proposal for revision of existing schedule of rates for the repair of departmental vehicles as the material and labour charges escalated.

Government have examined the proposal in detail and are pleased to accord sanction for the revision of rates for the repair of departmental vehicles as detailed below subject to the following conditions:-

1. The rates provided are intended for the guidance of the officers of Mechanical wing only. These are the maximum allowable rates and the officers are directed to limit the payment to reasonable limits based on the nature and quality of work done, materials used and workmanship.
2. If the work of calibration of fuel pump is carried out through the original manufacturer or through the authorized dealer of the original equipment manufacturer, the rate claimed by the service dealer can be admitted in full irrespective of the schedule of rates. If the work is arranged by an approved workshop, the original bill of the service dealer may also be produced along with the workshop bill.

**SCHEDULE OF RATES OF VARIOUS ITEMS FOR THE REPAIRS OF
DEPARTMENTAL VEHICLES**

Sl. No	Description	<u>Rate</u>		
		<i>Light Vehicles (Rs.)</i>	<i>Medium Vehicles (Rs.)</i>	<i>Heavy Vehicles (Rs.)</i>
	I. ENGINE			
1(a)	Engine tuning including overhauling carburetor, distributor, Fuel pump cleaning and adjusting, spark plugs, valve tappets, etc.	830		
(b)	Diesel engine tuning and adjusting tappets and timing	830	830	1010
(c)	Tata Sumo and similar vehicles		1190	
2	Cleaning and adjusting spark plugs and adjusting Carburetor and distributor	210		
3	Detaching accessories and dismounting engine from chassis for jobs other than engine overhauling and remounting.	1070	1250	1410
4(a)	Complete overhauling of petrol engine including overhauling of carburetor, distributor, fuel pump, water pump, oil pump, air filter assembly, etc., and resetting bearings, valve seats grinding, replacing parts such as pistons, valves, oil filter, oil seals, etc. and running the engine excluding cost of all spares, lubricants, fuel, machining charges and electrical works but including all handling charges, dismantling and refitting (4cylinder petrol engine)	9110		
(b)	For 3 cylinder petrol engine	5300		
(c)	Complete overhauling of diesel engine including overhauling of water pump, oil pump, air filter assembly, exhausted / compressor and resetting bearings, valve seats grinding and replacing all parts such as pistons, bearings, valves, etc. including fuel filter and oil filter elements and running the engine excluding machining charges, electrical works, cost of spares, oil and fuel, calibration of fuel pump and injectors but including all handling charges, dismantling and refitting	9870	10170	14130

5(a)	Top overhauling (decarbonizing) including removing cylinder head decarbonizing valve grinding etc.	1190	1190	1770
(b)	Top overhauling as above including changing rings etc. including dismantling and refitting parts, ridge cutting, changing rings, etc. and refitting.	2820	2820	4250
6	Changing cylinder head gasket including detaching and reattaching accessories	590	590	710
7	Adjusting valve tappets	170	170	240
8(a)	Changing flywheel ring including dismantling, dismounting and remounting engine	1410	1410	1890
(b)	Changing flywheel bush including industrial work, dismantling, dismounting and remounting engine.	1290	1290	1650
9	Changing engine foundation each without dismantling engine.	120	120	120
10	Changing gear box foundation each.	80	80	110
11	Changing plugs including cleaning and adjusting / each	50		
12	Changing plug wire set including coil wire.	120		
13	Timing cover oil seal changing including removal of timing Cover.	470	470	590
14	Removing sump and checking bearings including draining and refilling oil.	470	470	710
15	Changing crank case packing including draining and refilling oil.	240	240	360
16	Changing exhaust manifold packing.	80	80	110
17	Engine rear oil seal changing. (excluding cost of dismounting engine / Gear Box)	210	210	240
18	Changing rocker arm shaft and bushes.	240	240	300
19	Changing heater plugs each (diesel).	50	50	
	II. ENGINE ACCESSORIES			

A	Distributor, Carburetor, etc.			
1	Overhauling distributor including dismantling and refitting.	240		
2(a)	Overhauling carburetor including dismantling and refitting.	240		
(b)	Overhauling carburetor including dismantling and refitting for Maruti	590		
3	Overhauling fuel pump including dismantling and refitting (Petrol)	200		
4	Fuel flexible pipe changing / each	50	50	50
5	Fuel filter element changing / each	80	80	80
6	Petrol / Diesel tank and fuel line cleaning including dismantling and refitting	240	300	360
7	Air cleaner hose changing including air filter cleaning and refitting	90	90	120
B	Overhauling fuel pump			
1	Removing injector pump, refitting and running the engine.	360	360	420
2	Changing coupling fiber disc including removing exhauster and injection pump refitting and running the engine			470
3	Changing venturi shaft and bush (diesel only)	180	180	180
4(a)	Overhauling air compressor mounted on engine including removing and refitting without machining			1190
(b)	-- do -- including resleeving and machining			1590
	III. INDUSTRIAL WORKS			
1	Boring, sleeving and honing cars and Jeeps / bore (excluding cost sleeves)	590		
2	Resleeving, boring and honing excluding cost of sleeves	360	360	470

3	Grinding and polishing crank shaft journal	240	240	300
4	Valve seat cutting / each	60	60	80
5	Valve refacing / each	50	50	50
6	Replacing valve guide / each	60	60	80
7	Cylinder head / refacing	950	950	1410
8	Cylinder block refacing	1070	1070	1530
9	Sub seating Valve seating and seat cutting including cost of valve seat / each	300	300	360
10	Reconditioning and pressure adjusting Nozzle / each (including dismantling and refitting injector)	120	120	120
11	Replacing nozzle and pressure setting / each	90	90	90
12	Fuel injector pump overhauling and calibrating excluding cost of spares.	1410	1410	2120
13	Overhauling and calibrating rotary pump.	2360	2360	2940
14	Connecting rod small end bush reaming and fitting / each.	120	120	120
15	Connecting rod bend checking / each.	90	90	90
16	Crank rear end oil seal portion building up by welding, polishing and cutting.	1290	1290	1770
17	Rocker arm bushing and reaming / each.	60	60	60
18	Cam shaft grinding / each journal	140	140	180
19	Cam bush fitting and boring / each.	240	240	360
20	Parent bore metalling and line boring	1470	1470	2010
21	Rocker arm tip welding and levelling.	80	80	80
22	Engine pulley sleeving	360	420	470
23	Checking for cracks in head.	300	300	420

24	Connecting rod big end boring, grinding and reaming / each	140	140	140
	IV. CLUTCH AND GEAR BOX			
1	Dismantling and remounting gear box for jobs other than gear box overhauling	450	530	770
2(a)	Clutch overhauling	470	470	950
(b)	Clutch overhauling hydraulic.	710	710	1110
3	Refacing pressure plate	240	240	300
4	Refacing fly wheel	420	420	590
5	Clutch adjusting	90	90	90
6	Overhauling gear box including dismantling and remounting			
(a)	Car, jeep (two wheel drive)	1410	1530	1770
(b)	Jeep (4wheel drive, including overhauling of and other medium vehicles auxiliary gear box)	2010		
(c)	Front wheel drive type including differential.	2010	2010	
(d)	Overhauling gear box including dismantling and remounting Metador Van etc.,		2940	
7	Changing gearbox oil seals including dismantling and Remounting of gear box	530	600	770
8	Changing speedometer cable	60	60	60
9	Brake and clutch pedal shaft reconditioning	300	300	360
10	Speedometer / Pressure gauge / Ampere meter etc. changing per each	60	60	60
11	Changing clutch and brake pedal shaft and bushes	240	240	300
12	Changing clutch rod / Clutch cable	60	60	60
	V. COOLING SYSTEM			

1	Overhauling water pump.	180	180	240
2	Changing radiator hose / each	50	50	50
3	Dismantling and remounting radiator for other job	240	240	300
4	Removing, flushing and refitting radiator.	300	360	420
5	Removing top or bottom tanks, repairing tanks, cleaning tubes resoldering top and bottom tanks and refitting	1410	1410	2360
6	Soldering radiator leaks including cost of materials and removing and refitting charges (Depending upon the nature of works)	590 to 1190		
7	Soldering side brackets and refitting charges	120 to 360	120 to 470	120 to 470
8	Radiator core replacing including all charges	1410	1410	2360
VI. LUBRICATION				
1	Overhauling and refitting oil pump including crankcase dismantling and refitting	650	650	1070
2	Changing oil flexible pipe / each.	50	50	50
3(a)	Replacing oil filter element.	80	80	80
(b)	Changing oil and filter element.	140	140	180
4	Cleaning and adjusting oil relief valve including removing and refitting.	80	80	80
VII. BRAKE SYSTEM				
1	Dismantling Overhauling and refitting master cylinder including bleeding and adjusting wheels.	300	360	420
2	Cleaning and overhauling wheel cylinder and refitting including bleeding and adjusting / each	140	180	300
3	Relining brake shoe / wheel	90	120	180

4	Dismantling and overhauling hand brake complete refitting and adjusting brake.	240	300	360
5	Overhauling servo brake cylinder unit.		1010	1010
6	Turning brake drum / each.	300	360	530
7	Changing brake hose, bleeding and adjusting / each wheel	80	80	80
8	Replacing brake pipes union / each	60	60	60
9	Overhauling air brake system wheel unit (Rear two wheels only)			1010
10	Power brake overhauling	1410	1410	1770
11	Changing shoe pad / set	120	120	120
12	Brake disc polishing / disc	470	470	
	VIII. STEERING SYSTEM			
1	Steering system overhauling including steering box dismantling and refitting			
(a)	Jeep	710		
(b)	Ambassador, Std. 20, Matador and other light vehicles	890	890	
(c)	Others			1070
2	Changing steering wheel.	80	80	120
3	Changing column bearing / bush.	140	140	180
4	Changing pull and push rod	180	180	240
5	Reconditioning drop arm.	240	240	300
6	Adjusting steering play	90	90	90
7	Changing bell crank kit.	180		
8	Changing tie rod ends / each	90	120	180

9	Correcting wheel alignment (adjusting toe-in and toe-out)	240	300	
10	Change of rubber bush set ambassador car	890		
11	Power steering overhauling	1190	1190	1650
12	Steering U/J cross changing and steering plug setting	360	360	470
13	Computer Wheel Aligning	830	830	830
14	Computer wheel balancing / each wheel	360	360	360
	IX. FRONT SUSPENSION			
1	Complete overhauling front suspension (Including Industrial works)			
(a)	Ambassador including replacing bushes	4010		
(b)	Jeep	1190		
(c)	Std. 20, Matador, Sumo		4710	
(d)	Heavy vehicles (Depending up on the type of vehicle)	4590 to 5730		
2	Replacing front axle shaft / each (for 4 wheel drive vehicles)	360		
3	Changing front wheel oil seal / each side	80	80	90
4	Changing wheel bearing & oil seal / each side	120	140	180
5	Reconditioning stub axle / each (industrial work only)	890	1010	1290
	X. REAR AXLE AND DIFFERENTIAL			
1	Dismantling, Overhauling and refitting the differential and setting crown and pinion	1530	1890	2940
2	Changing pinion oil seal excluding dismantling and refitting cross joint	90	90	120

3	Changing rear wheel bearing / each side	120	180	240
4	Changing rear wheel oil seal / each side	120	180	240
5	Changing rear wheel bearing and oil seal / each side.	140	210	290
6	Changing axle shaft / each.	240	240	470
7	Changing wheel hub / each.	140	140	240
	XI. SPRING			
1(a)	Dismounting and remounting spring set.	140	180	300
(b)	Dismantling cleaning and reassembling for changing leaf each set.	300	300	590
(c)	Dismantling cleaning and reassembling for changing helper set			180
2	Recambering spring set / each set	360	470	1190
3	Changing shackle pins bushes, bolts each set	90	90	180
4	Changing shock absorber / each	60	60	60
5	Replacing spring 'U ' clamp / each	50	50	80
6	Providing new clamp / set	140	180	240
	XII. TRANSMISSION			
1	Replacing Propeller shaft / each	140	180	240
2	Replacing U joints / each	140	140	240
3	Replacing new yoke and teeth including fixing to the old shaft.	950	950	1190
4	Dismantling propeller shaft, overhauling centre joint by replacing bearing, seals and refitting			710
	XIII. ELECTRICAL SYSTEM			

1	Overhauling dynamo, replacing bushes, brushes, bearing etc. including dismantling and refitting.	360	360	470
2	Overhauling alternator including dismantling and refitting	710	710	890
3	Overhauling starter including dismantling and refitting	470	470	710
4	Armature rewinding			
(a)	Dynamo 12V	1190	1190	1190
(b)	Dynamo 24V			1650
(c)	Starter	2360	2360	2940
5	Insulating the field coil of Dynamo / Starter	180	180	180
6	Cutting commutator	240	240	240
7	Overhauling and adjusting cutout and voltage regulator	120	120	120
8	Overhauling and adjusting horn / each.	120	120	120
9	Replacing horn button	50	50	60
10	Replacing sealed beam	60	60	60
11	Replacing head light bulb / each	50	50	50
12	Replacing tail lamp assembly / each	50	50	50
13	Replacing dash bulbs / each	50	50	50
14	Checking and rectifying faulty wiring	300	300	300
15	Replacing battery / Each	50	50	80
16	Soldering battery cable terminal / leg each	80	80	90
17	Rewiring complete (labour only)			
(a)	for jeeps	1770		
(b)	for cars, Vans	1890	1770	

(c)	for buses			2360
(d)	for lorries			1890
18	Battery charging / each	80 to 140		
	XIV. SERVICING			
1	Complete servicing including oil servicing and greasing.			
(a)	Two Wheeler	240		
(b)	Car / Jeep	710		
(c)	Lorry		890	1190
(d)	Bus		1190	1650
	XV. BODY AND BONNET			
1	Repairing and setting door lock / each	140	140	140
2	Repairing door glass lifting / each	180	180	
3	Changing wind screen glass including changing glass, beeding, etc. each			
(a)	Car	710		
(b)	Jeep / Van per glass	470	470	
(c)	Bus / Lorry per glass	<i>single glass</i>		1190
		<i>Double glass</i>		590
4	Changing door glass / each	150	150	150
5	Changing door glass channels and beeding / door			
(a)	Car	420		
(b)	Others	300		
6	Changing and fitting bonnet clip / each	50	50	50
7	Replacing bonnet hinges / Bonnet	360	360	360

8	Repairing and refitting door hinges / for each	300	300	300
9	Changing bonnet beeding	80	80	80
10	Replacing or checking all body foundation bolts	240	240	300
	XVI. UPHOLSTERY			
1	Changing seat covers including cost of materials (rates based on quality of material used)			
(a)	Jeep Front seats, rests complete	3420 to 4250		
(b)	Jeep, rear seat and back rest-cover both sides complete changing.	2600 to 3420		
(c)	Jeep top upholstery for fiberglass body type only.	2120		
2	Changing hood and side covers of jeep including cost of all materials.			
(a)	With Nylon - Jeep	9060		
(b)	With Nylon -Trekker	10370		
(c)	Providing inner Rexin for top hood for jeep / Trekker.	1770 to 2360		
3	Complete upholstery works of Ambassador cars with good quality rexins / cloth including door pad.	18840 to 21200		
4	Deluxe upholstery works including door pads (applicable to Heads of depts. and officers of all India services)	28260		
	XVII. PAINTING			
A	Complete painting including under chassis and hood with four coats auto lacaner paint including scraping old painted surface levelling, applying priming coat levelling, with putty, polishing and painting including cost of all materials and charges for dismantling and refixing accessories and fixtures.			
1	Jeep	13190		

2	M M 540 / Jeep with body.	14720		
3	Ambassador car	24960		
4	Station wagon / Tata Sumo	24960		
5	Standard Matador van	24960		
6	Maruti car / van	21900		
B	Painting floor under mudguards and under chassis floor boards, inside of doors etc. including scraping, cleaning, etc., with enamel paint of one coat over one coat of primer including all charges			
1	Jeep	1770		
2	M M 540 / Trekker	2010		
3	Car	1890		
4	Station waggon / Tata Sumo	1890		
5	Std.20 / Matador vans	2120		
C	Overcoat painting two coats with same colour complete including necessary levelling.			
1	Jeep	8840		
2	Ambassador car	13190		
3	Trekker / M M 540 / Jeep with body.	10250		
4	Station Waggon / Tata Sumo	10130 to 13190		
5	Std.20 / Matador vans	8720 to 11780		
D(a)	Complete painting Lorry including scraping and painting bonnet, Mudguard, cabin and body inside and outside, under mudguards, under chassis etc.			
1	Mini Lorries		13190	
2	Benz, Leyland and other heavy vehicles.			14600
(b)	Complete painting of bus including chassis, under chasis, floor body inside and outside with door etc.			

1	Bus	<i>18840 to 25910</i>		
2	Mini Bus	<i>16010 to 18840</i>		
(c)	Painting under chassis, under mudguards of lorry, bus with good quality paint.			<i>5300</i>
(d)	Overcoat painting lorry complete including under chassis.			<i>10010</i>
(e)	Touch and polish for Ambassador cars.	<i>2940</i>		
(f)	Touch up painting the patched up portion to suit original colour including cost of materials. Subject to a maximum of 30 dm ² .	<i>90/dm²</i>		
E	Painting with P U paint			
(a)	Jeep without body	<i>17150</i>		
(b)	Jeep with body	<i>19130</i>		
(c)	Ambassador, Bolero, Qualis, Tata sumo, etc.	<i>32450</i>		
(d)	Painting leveled and required parts only	<i>120/m²</i>		
	XVIII. PATCH WORK AND WELDING			
1(a)	Patch work with 18 gauge sheet including cost of all materials and welding.	<i>60 to 80 / dm²</i>		
(b)	Patchwork with 14 gauge and 16 gauge sheet including cost of all materials and charges for welding etc.,	<i>80 to 90 / dm²</i>		
(c)	Fabricating and fixing running boards to Ambassador cars including cost of all materials, labour charges for welding each side.	<i>4250</i>		
2	Gas welding / dm.	<i>60</i>		
3	Arc welding / dm.	<i>50</i>		
	XIX. WIPER			
1	Changing wiper blade.	<i>50</i>		
2	Changing wiper arm and blade.	<i>50</i>		

3(a)	Changing wiper motor			240 to 360
(b)	Jeep	120		
(c)	Car	240		
	XX. AIR CONDITION SYSTEM			
1	A/C gas filling only	1890 to 4710		
2	Repair of A/C	<i>Rate as per the nature of work assessed by the Competent Technical Authority</i>		
	XXI. MISCELLANEOUS			
1(a)	Towing charges per km. Jeep / Car (subject to a minimum of Rs.700/-)	90		
(b)	Towing charges per km. Van (Subject to a minimum of Rs.700/-)		90	
(c)	Towing charges per k m. Lorries (subject to a minimum of Rs.1200/-)			120
2	Providing stepney bracket including cost of materials.	420		
3	Providing footboard bracket for jeep including cost of all materials / each.	420		
4	Replacing rear view mirror.	50		
5	Fabricating new frame and fixing mudguard flaps including cost of all materials and excluding cost of flap/each	140		
6	Dismantling and remounting the body of jeeps / Vans.	2600		
7	Providing framework with M.S. Sheets 18 gauge on edges and plates 1" x 1/4" x 4 nos. across of support of Jeep hood including cost of materials welding and hand painting for strengthening of new hood frame	2600 to 3540		

8(a)	Providing complete new hood frame with foundations including cost of all materials and labour charges including items 7 above.	10010		
(b)	Providing complete new hood frame with foundations including cost of all material and labour charges including items 7 above for Trekker / M M 540.	11780		

(By Order of the Governor),
D.SANTHOSH
ADDITIONAL SECRETARY

To

The Chief Engineer, Mechanical, Thiruvananthapuram.
The Accountant General (A&E/Audit), Kerala, Thiruvananthapuram.
The Finance (Ind&PWB) Department
Stock file/Office copy

Forwarded / By Order,


Section Officer