

III. Scope of Calculation of Domestic Component Level (TKDN) Aspects of Main Components and Supporting Components

1. Value of Main and Supporting Components in Battery-Based Electric Motorized Vehicles (KBL).

- a. Assessment of the Domestic Component Level (TKDN) for Electric Motorized Vehicles (KBL) based on four or more Wheeled Batteries, given based on value, namely 100% (one hundred percent) is the cumulative number of value in % (percent) of the group of components, consisting of:

No	Description	Value
A. Main Component		
1	Body, Cab and/or Chassis a. Engine Hood b. Fenders c. Doors d. Roof e. Side Panel f. Floor	2020 – 2023: 10% 2024 – onward: 11%
2	Battery a. Battery management system b. Battery cell/Module c. Housing/Pack d. Other Battery Parts (cooling/ thermal management, sockets, wiring, etc.)	2020 – 2023: 30% 2024 – onward: 35%
3	Electric Motor Drive System: a. Motorcycle b. Inverter c. Power Control Unit d. Transmission e. Gardan (Axle), consists of: - Drive axle and/or - Shaft without drive (non-drive axle) - Other axle parts	2020-2023: 10% 2024 – onward: 12%
B. Supporting component		
Steering System		2%
1	Bearings	
2	Knuckle arm	
3	Steering column	
4	Steering gear	
5	Steering shaft	
6	Steering wheel	
7	Tie rod end	
8	Tie rod linkage	

9	Cover steering column	
Suspension		1%
10	Front Spring	
11	Rear Spring	
12	Shock absorber	
Brake System		2%
13	Backing plate	
14	Body caliper	
15	Brake lining pad	
16	Brake shoe	
17	Cylinder wheel	
18	Drum/dics	
19	Piston	
20	Support caliper	
Wheel System		1%
21	Tire	
22	Wheel Rim	
Electronics and air conditioning systems		2%
23	Electricity system	
24	Battery/motor cooling system	
25	Room temperature control system	
26	Accu / Battery	
27	Security and safety system	
28	Control cable	
29	Chair	
30	Cable System	

- b. Assessment of the Domestic Component Level (TKDN) of two or three-wheeled Battery-Based Electric Motorized Vehicles (KBL), given based on weight, namely 100% (one hundred percent) is the cumulative number of weights in % (percent) of the group of components, consisting of:

No	Description	Value
A. Main Component		
1	Frame and/or Body	2020 – 2023:
	a. Main Frame	10%
	b. Bracket	
	c. Side/main stand	2024 – onward:
	d. Rear/Front Fender	11%
	e. Seat assy	
	f. Side mirror	
	g. Leg shield	
	h. Stepbar	
	i. Foot rest	

	<ul style="list-style-type: none"> j. Mudguard k. Luggage carrier l. Tool set m. Emblem/ Name plate n. Cover plastic set o. Reflex reflector 	
2	<p>Battery</p> <ul style="list-style-type: none"> a. Battery management system b. Battery cell/Module c. Housing/Pack d. Other Battery Parts (cooling/ thermal management, sockets, wiring, etc.) 	<p>2020 – 2023: 30%</p> <p>2024 – onward: 35%</p>
3	<p>Electric Motor Drive System:</p> <ul style="list-style-type: none"> a. Main gear b. Main Shaft c. Sprocket gears d. Cooling fan e. Main shaft f. Belt/Drive chain g. Stator h. Permanent magnet i. Bearing j. Cover k. Rotor (Scalable/Hub motor) l. Electrical cable (Wiring) m. Controller/ECU/PCU 	<p>2020-2023: 10%</p> <p>2024 – onward: 12%</p>
B. Supporting component		
1	Steering System	2%
	<ul style="list-style-type: none"> a. Handle assy steering system <ul style="list-style-type: none"> 1) Throttle grip 2) Balancer 3) Lever assy L/R 4) Steering handle b. Rear form arm/swing arm 	
2	Braking system	2%
	<ul style="list-style-type: none"> a. Disc brake assy <ul style="list-style-type: none"> 1) Master cylinder 2) Brake caliper 3) Disc pad 4) Brake hose b. Disc plate c. Anti lock braking system d. Drum brake assy 	

	1) Brake shoe 2) Brake panel 3) Gear speedometer	
	e. Brake cable	
	f. Brake pedal	
3	Wheel & Axle	2%
	a. Hub	
	b. Spoke & Nipple	
	c. Front/rear axle	
	d. Wheel rim	
	e. Tire & Tube	
	f. Cast wheel	
4	Electrical Instrument	2%
	a. Speedometer assy comb	
	b. Battery	
	c. Control cable	
	d. Flasher/winker relay unit	
	e. Head lamp	
	f. Horn	
	g. Handle/switch assy	
	h. Lock set	
	i. Sensor	
	j. Stop lamp switch	
	k. Winker lamp	
	l. Tail/rear combination lamp	
	m. Wiring harness	
5	Suspension	2%
	a. Front fork & steering assy 1) Steering system 2) Front fork & absorber 3) Steering stem	
	b. Rear cushion & absorber	