CIRT
Excellence in Transport

PERFORMANCE TEST (CMVR) REPORT

1.	Test Report No.	:	CIRT/CMVR/TA/2025/V03090/01
2.	Customer	:	**M/s. Vimal Universal Trade Pvt. Ltd.**
3.	Address	:	24 C/6 Nai Sarak Shastri Nagar Meerut UP 250001
4.	Customer Letter No. & Date	:	Letter Reference No. Nil dated 21/05/2025 from M/s. Vimal Universal Trade Pvt. Ltd.
5.	Vehicle Tested		
a)	Model	:	**Tom Tom 2.0 LI**
b)	Category	:	E – Rickshaw
c)	Variant	:	**Tom Tom 2.0 L LI**
d)	Category	:	E-Cart
e)	Type	:	Special Purpose Battery Operated Three-Wheeler
f)	Manufacturer	:	M/s. Vimal Universal Trade Pvt. Ltd.
6.	Test Requirements	:	Compliance to requirements of Central Motor Vehicle Rules, 1989 as amended up to date.
7.	Test Procedure	:	As per applicable standards
8.	Place of Issue	:	Pune
9.	Date of Issue	:	30/12/2025
10.	Total number of pages	:	4
11.	Attachments	:	Annexure I (Photographs)

Disclaimer:
This Test/Inspection Report is in respect of the particular component/ parts/assemblies/vehicles etc actually inspected/tested & to the specific inspections/checks carried out between the customer & CIRT. CIRT does not undertake any responsibility is respect of field performance of the vehicle as well as issues arising during the operation, once the test / inspection is over. This Test / Inspection Report or the information given therein is not to be quoted / reproduced in full or part and not to be used for publicity or advertisement purpose without the written permission of the Director, CIRT. All disputes of any nature are subject to Pune (India) jurisdiction only.

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PUNE-26

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No. : B 112722

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Test Report No. : CIRT/CMVR/TA/2025/V03090/01

PERFORMANCE TEST (CMVR) REPORT

Tom Tom 2.0 LI

Motor ID/ Sr. No.	:	M-01C	Manufacturer	:	M/s. Vimal Universal Trade Pvt. Ltd.
Chassis No.	:	MD9100EP3AX173106	Fuel	:	Battery Operated Vehicle
Test Site	:	IDTR, Pune	Reference Vehicle Specification Document No.	:	VIMAL/TOM TOM 2.0 LI/ 2025/001

Brake Test (IS 14664:1999)

Rule No.	Parameter	Test Results					
96	Dynamic Test	Initial Speed (Km/h)	Control Force (Kg)	Stopping Distance (m)		MFDD (m/s²)	
				Observed	Limits (Max)	Observed	Limits (Min)
I.	**Service Brake**						
a)	**Laden**	16.05	23.07	2.31	3.85	5.33	4.4
b)	**Unladen**	16.40	31.13	2.41	3.98	5.16	4.4
II.	**Secondary Brake – Parking only working**						
a)	**Laden**	16.74	15.02	4.02	5.68	3.16	2.7
b)	**Unladen**	16.05	24.60	4.69	5.57	3.17	2.5
III.	**Secondary Brake – Rear only working**						
a)	**Laden**	16.40	35.89	2.69	5.48	4.73	2.7
b)	**Unladen**	16.40	24.90	2.63	5.78	4.62	2.5
IV.	**Hot performance Rear Brake**						
a)	**After fade Test**	16.51	20.80	3.03	3.17*	4.05	2.80*
V.	**Parking Brake**						

Parking Brake	Observed	Limit (Min)	Remark
Stationary vehicle holds at gradient	18.0 % Gradient	18.0 % Gradient	Complies

Service Brake – Two independent braking device with independent controls.
Front Brake – Drum
Make of Liners: M/s Siddharth Brakes (P) Ltd.
Marking- JAYNA MAGNUM (A1)
Dim. In mm – 145X33X4 mm
Effective Diameter of Drum – 160 mm
Rear Brake - Drum
Make of Liners: M/s Siddharth Brakes (P) Ltd.
Marking- JAYNA MAGNUM (A1)
Dim. In mm –145X33X4 mm
Effective Diameter of Drum – 160 mm.
Brake circuit drawing No.- TOM TOM 2.0LI/008 & 009
Tyres - All are 3.75-12, 72B, 6PR
Make: M/s Ralson (India) Limited
Type & Category – Special Purpose Battery Operated Three-Wheeler, E-Rickshaw
No. of Axles – 1
GVW –665 kg
Maximum design speed – 18 km/h
Wheelbase mm - 2120
Test conducted on **Tom Tom 2.0 LI** E-Rickshaw model for verifying compliance **to IS: 14664-1999.**

Note:
1. As per IS 14664: 1999 Clause No 7.11 independent braking system i.e. Parking Brake are used to meet the residual performance requirement of brake in case of Front Brake only working condition.
2.* Fade test - Stopping Distance and MFDD Limits as per Clause No 13.6 – Requirement of Hot Performance

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Test Report No. : CIRT/CMVR/TA/2025/V03090/01

Maximum Speed (IS: 11877 – 1986)

Sr No	Test Result Max Speed (Km/h)	Manufacturer Declared Max Speed (Km/h)	Max Speed (Km/h) Limit	Result
1	16.87	18	25	Satisfactory

Weight Measurement (IS: 11825-1986)

Rule No.	Parameter	Test Result		
	Weight Measurement	Declared	Measured	Max Limits
	Unladen			
	FAW, kg	77	77	NA
	RAW, kg	208	208	NA
	Total unladen weight, kg	285	285	NA
	Laden			
	FAW, kg	197	197	NA
	RAW, kg	468	469	NA
	Total laden weight, kg	665	666	NA

Report Prepared By:	Verified By:		Approved By:
Deepali P. Magar Assistant Scientist	D.H. Pendharkar Scientist 'A'	V.P. Godbole Scientist 'C'	Dr. M.M. Pathak Head Safety & Homologation

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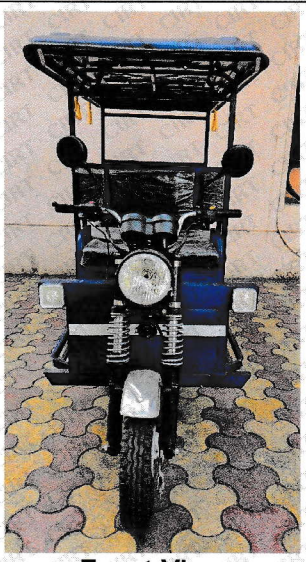
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Annexure I - Photograph

Annexure I to Test Report No. : CIRT/CMVR/TA/2025/V03090/01 Date: 30/12/2025

Base Model: Tom Tom 2.0 LI



Front View

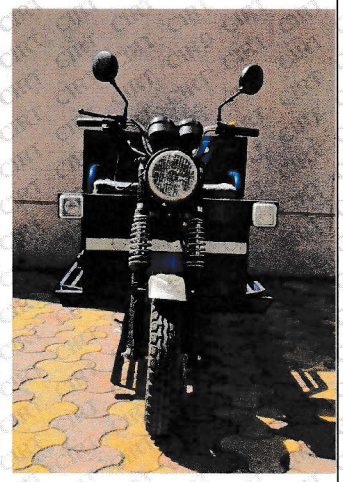


Rear View



Side View

Variant Model: Tom Tom 2.0 L LI



Front View



Rear View



Side View

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