



NATIONAL AUTOMOTIVE TEST TRACKS
[A division of NAB/ NATRIP, Govt. of India]

QMS/NATRAX/T-REP/22/LP/2W/250W-03

Dated: 08-03-2022

TEST REPORT

COMPLAINCE TO G.S.R. 291 (E) dated 24.04.2014

1. Company Details:

Company Name & Address	Plant Name & Address
ELECTROTECH TRANSMISSION PVT. LTD. 117, SIDDHARTHA NAGAR, KESAR BAGH ROAD, INDORE, MADHYA PRADESH, PIN-452009	ELECTROTECH TRANSMISSION PVT. LTD. SURVEY NO-112/1/2, GRAM - BHORASALA, SANWER ROAD, INDORE, M.P., PIN- 452015

2. Description of Test Sample/ Vehicle:

Description	Base Model	Make	ID no.	Vehicle Type/ Category
Vehicle	VERB	Electrotech Transmission	Chassis no.: JC8C202201CJ1	Battery operated 2Wheeler without pedal assistance
Motor	EM60V250		EM60V250	BLDC MOTOR
Controller	EC60V250		EC60V250	VECTOR LOOP-CAN based
Variants	SPRINT and VOLT			
Working Voltage	60V			

3. Test Objective:

To carry out testing/ verification of electric two-wheeler (above mentioned base Model 'VERB' and variants 'SPRINT & VOLT' refer Annexures I, II & III for photographs) having power less than 250W for exemption under CMVR vide GSR 291 (E) dated 24-04-2014.

4. Observations and Test Results:

Parameter	Requirement	Observed	Compliance Verified
Max Speed	< 25 Kmph	24 Kmph	Complied ☒
Max 30 Min. Power	< 250W	189 W	
Unladen Weight without Battery	≤ 60 Kg	58.8 kg	
Fitment of Reflector (Front)	White Colour	White Colour	
Fitment of Reflector (Rear)	Red Colour	Red Colour	
Suitable Brake System	Shall be fitted	Fitted	

5. Conclusion:

The Vehicle model(s) mentioned in clause no. 2 above, **does not** deem to be a motor vehicle and complies(y) to CMVR requirements as per exemption criteria specified in GSR 291 (E) dated 24.04.2014.

NATRAX File Reference	NATRAX/EV/2W/250W/22/003		
Authorized Signatory:			Please turn over for DISCLAIMER
LAB-INCHARGE	DEPT. HEAD		CENTRE HEAD
Umesh Raghuwanshi	Joyanta Chakrabarty		Dr. N. Karuppaiah

NATIONAL AUTOMOTIVE TRACKS (NATRAX)
Agra-Mumbai Highway HN-52, Next to Pithampur Flyover, Village-Post Khandwa (Near Pithampur),
Distt. Dhar (M.P.)-454 774

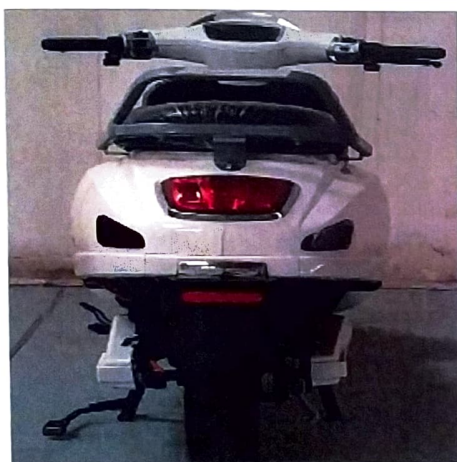
ANNEXURE-I (Base Model-VERB)



VERB-Side View-Right



VERB-Side View-Left



VERB-Rear View



VERB-Front View

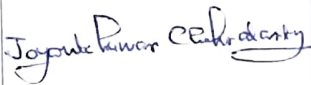


VERB-Motor



VERB-Controller

Authorized Signatory:

LAB-INCHARGE	DEPT. HEAD		CENTRE HEAD
			
Umesh Raghuwanshi	Joyanta Chakrabarty		Dr. N. Karuppaiah



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ANNEXURE-II (Model-SPRINT)

SPRINT-Side View-RightSPRINT-Side View-LeftSPRINT-Front ViewSPRINT-Rear ViewSPRINT-MotorSPRINT-Controller

Authorized Signatory:

LAB-INCHARGE	DEPT. HEAD		CENTRE HEAD
Umesh Raghuwanshi	Joyanta Chakrabarty		Dr. N. Karuppaiah

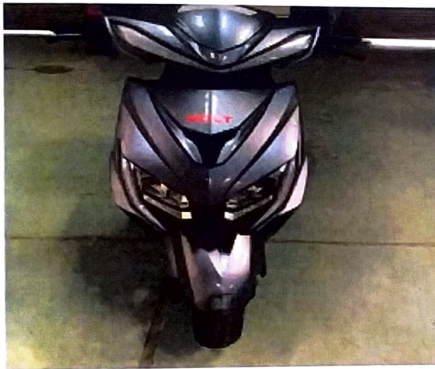
ANNEXURE-III (Model-VOLT)



VOLT-Side View-Right



VOLT-Side View-Left



VOLT-Front View



VOLT-Rear View



VOLT-Motor



VOLT- Controller

Authorized Signatory:

LAB-INCHARGE	DEPT. HEAD		CENTRE HEAD
			
Umesh Raghuwanshi	Joyanta Chakrabarty		Dr. N. Karuppaiah