



ICAT/BOV-0621/2022-23/R-2668

Date : 18th October 2022

ICAT/BOV-0621/2022-23/R-2668

TEST REPORT

FOR

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



1. Company and Vehicle base model details:

Documental Reference	Vehicle Manufacturer	
Current Document	M/s. Nilaapay Motors	
Company Address		Plant Address
No. 3145/2, Block No.87, Sundaram Pillai Nagar, Karanthai Main Road, Thanjavur, Tamil Nadu, 613 002		No.-552, Pallivasal Street, Koothur, Dist.-Nagapattinam, Tamillnadu, 611 105
Base Model	Vehicle Description	Nominal Voltage (V)
SPIDER	Two Wheeler Battery Operated Vehicle without Pedal Assistance	60

2. Test Objective:

To carry out testing/verification of battery operated two wheeler, having power less than 250W and speed less than 25 km/hr for exemption to be a motor vehicle, under CMVR vide GSR 291 (E) dated 24.04.2014.

3. Observations & Test Results: (Refer ANNEXURE - I for photographs)

Parameter	Requirement	Observed	Compliance Verified
Max Speed	< 25 kmph	13.1 kmph	✓
Max 30 min Power	< 250 W	185 W	
Unladen Weight (Without battery)	≤ 60 kg	56 kg	
Battery Type & Packs	-	Lithium ion & 01	
Fitment of reflector (Front/Rear)	Fr- White colour/Rr- Red colour	Fr- White colour/Rr- Red colour	
Suitable braking system	Fitted	Fr - Disc / Rr - Drum	
Description	Make	Model / Part Id	
Motor	M/s. Nantong Tianneng Motor Co. Ltd.	HRS48/60V	
Controller	M/s. Wuxi Yuma Power Technology Co. Ltd.	NMC60	
Battery	M/s. Amptek	59.2V26AH	
Charger	M/s. Amptek	AT672-5A	

4. Conclusion:

The vehicle model mentioned in clause 1 above does not deem to be a motor vehicle and complies(y) to CMVR requirements as per the exemption criteria specified in GSR 291 (E) dated 24.04.2014.

Power Test Report No.	CTOPR 0819 dt. 27.06.2022	
ICAT Ref No.	2022-0621 (IOCS NO. 159393)	Please turn over for DISCLAIMER
AUTHORISED SIGNATORY		
		 PAMELA TIKKU DIRECTOR (Offg.)
VIJAYANTA AHUJA DEPUTY GENERAL MANAGER		 Page 1 of 2