



ICAT/BOV-0454/2022-23/R-1986

Date : 14th September 2022

ICAT/BOV-0454/2022-23/R-1986

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. Ingenius Motors Private Limited	
Company Address	Plant Address	
Near Pavan Nagar, SR 307B 308A, PL 184, Saigram Housing Society, Ambad Link Road, Ambad Khurd, Nashik, Maharashtra, India, 422 010	Near Pavan Nagar, SR 307B 308A, PL 184, Saigram Housing Society, Ambad Link Road, Ambad Khurd, Nashik, Maharashtra, India, 422 010	
Base Model	Vehicle Description	Nominal Voltage (V)
ASTROID	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	16.6 kmph	✓
Max 30 min Power	< 250 W	96 W	
Unladen Weight (Without battery)	≤ 60 kg	57 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. Ingenius Motors Private Limited	YK48/60V250W	
Controller	M/s. Ingenius Motors Private Limited	IMC01	
Battery	M/s. Amptek	59.2V25AH	
Charger	M/s. Amptek	NLW/EVC/2WC	

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 0789 dt. 21.06.2022	
ICAT Ref No.	2022-0454 (IOCS NO, 158883)	Please turn over for DISCLAIMER
AUTHORISED SIGNATORY		
VIJAYANTA AHUJA DEPUTY GENERAL MANAGER		PAMELA TIKKU DIRECTOR (Offg.)
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