



ICAT/BOV-1556/2023-24/T-0060

Date : 19<sup>th</sup> January 2024

ICAT/BOV-1556/2023-24/T-0060

# TEST REPORT

FOR

COMPLIANCE TO G.S.R 823 (E) dt.06.11.2023 &  
G.S.R 838 (E) dt.14.11.2023



## 1. Company and Vehicle base model details:

Documental Reference	Vehicle Manufacturer	
Current Document	M/s. FIT TECH INDIA SPORTS & FITNESS EQUIPMENT PRIVATE LIMITED	
Company Address	Plant Address	
NIT Faridabad, Plot No. 25, Opp. To SS Industries, Dabua Pali Road, Faridabad, Faridabad, Haryana, 121001	NIT Faridabad, Plot No. 25, Opp. To SS Industries, Dabua Pali Road, Faridabad, Faridabad, Haryana, 121001	
Base Model	Vehicle Description	Nominal Voltage (V)
GREEN UDAAN	Two Wheeler Battery Operated Vehicle with Pedal Assistance	48

## 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 G.S.R 823 (E) dt.06.11.2023 & G.S.R 838 (E) dt.14.11.2023

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

Parameter	Requirement	Observed	Compliance Verified
Max Speed	< 25 kmph	14.0 kmph	✓
Max 30 min Power	< 250 W	0.161kW @ 10.4 km/h	
Unladen Weight (Without battery)	≤ 60 kg	33 kg	
Battery Type & Packs	-	Lead-Acid & 04	
Fitment of reflector (Front/Rear)	Fr- White colour/Rr- Red colour	Fr- White colour/Rr- Red colour	
Suitable braking system	Fitted	Fr - Drum / Rr - Drum	
Description	Make	Model / Part Id	
Motor	M/s. SHANDONG LION ELECTRIC TECHNOLOGY CO., LTD	SDM01	
Controller	M/s. SHANDONG LION ELECTRIC TECHNOLOGY CO., LTD	SDC01	
Battery	M/s. ASTAR	JS12-14	
Charger	M/s. ASTAR	48V20AH	

## 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 G.S.R 823 (E) dt. 06.11.2023 & G.S.R 838 (E) dt.14.11.2023

Power Test Report No.	CTOPS 1101 dt. 22.12.2023	
ICAT Ref No.	2023-1556 (IOCS NO. 171689)	Please turn over for DISCLAIMER
<b>AUTHORISED SIGNATORY</b>		
 VIKAS SADAN DEPUTY GENERAL MANAGER	 INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY INNOVATION • SERVICE • EXCELLENCE MANESAR ★ 1990 (INDIA)	 SAURABH DALELA DIRECTOR
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