

TEST REPORT

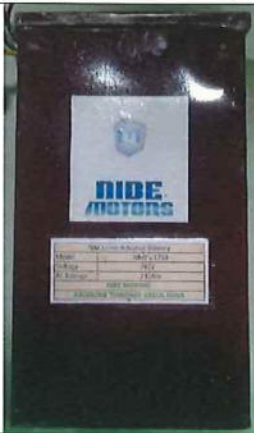
Test Report No. ARAI/AED/CT/OC-1718-5790/847

CONFIDENTIAL

Dated: 05-Oct-2017

1.0	Name and Address of the Customer	M/s. Nibe Motors Pvt Ltd, E2-E3, Gat No:103, Dindori Jaulke, Dindori, Nashik-422207
2.0	Customer Letter Reference	Letter dated: 21 th September 2017
3.0	APEX Docket No.	APX / 17-18 / Type 2 – 17150
4.0	Description of Test Vehicle	Electric Two-Wheeler Without Pedal Assistance Model: "SWING" (Specification No. NMPL/2017/Swing/01, Dt. 20/09/2017)
5.0	Test Objective	To carry out testing/verification of electric Two-Wheeler having power less than 250W for exemption under CMVR vide GSR 291(E) dated 24.04.2014
6.0	Condition of Test Vehicle at Receipt	The test vehicle was received in good condition. Refer Annexure-I for photograph.

7.0 Test Conditions

Test Site	ARAI, Pune	
Vehicle Condition	For Testing purpose, Powered by DC power supply set to 36 V	
Batteries Used In Test Vehicle	<p>Make: Nibe Motors Pvt Ltd Id No.: NMPL 1752 Cell Make & Model: Samsung 18650 Type: Lithium Ion (Advanced Battery) Capacity: 36V, C₂ = 46 AH Module Configuration: 10S 8P</p>	
Equipment Used During Testing:		
Name of Test Equipment	Identification No.	
SAJ make 2-Wheeler Chassis Dynamometer	AED/RIDYNO/01	
DC Power Supply make: Sorensen	AED/RPS/18	

		
S M SUPNEKAR TEAM LEAD	M M DESAI Dy. GENERAL MANAGER	A A DESHPANDE Dy. DIRECTOR & HoD

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8.0 Test Observations & Results

Test Date: 03-SEP-2017

Sl. No.	Test/Verification Details	Observation
1	30 min Power of Vehicle	243 W
2	Max Speed of Vehicle	18.3 km/h
3	Max Speed of Vehicle with Pedal Assistance	NA
4	Fitment of Brake	Front: Drum Rear: Drum
5	Fitment of Retro-reflectors	Front: White Rear: Red
6	Un-laden weight (excluding battery weight) of the vehicle	50 kg

9.0	Conclusion
The test vehicle model " SWING " does not deem to be a motor vehicle for compliance to CMVR requirements as per the exemption criteria specified in GSR 291(E) dated 24.04.2014.	

This test report pertains only to the components / parts / assemblies / vehicles etc., actually tested at ARAI in the presented condition based on the documents / information produced / submitted by the customer. The issuance of this test report alone does not indicate any measure of approval, certification, supervision, control of quality surveillance by ARAI of the product. No extract, abridgement or abstraction from this test report shall be published or used to advertise the product without the written consent of the Director, ARAI, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought. ARAI is in no way responsible for any misuse of copying of any design / type / system in connection with entire vehicle / components / parts and assemblies. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the customer and ARAI shall not be liable for any claims or damages, made by the party, whatsoever. The customer shall alone be liable for the same and undertakes to indemnify ARAI in this regard. Further, the ARAI has the right to initiate cancellation / withdrawal of the certificate / report issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI. The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.

Place of Issue: Pune

		
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Annexure-I

Front View of Test Vehicle



Rear View of Test Vehicle



Side View of Test Vehicle



		
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