

NATIONAL AUTOMOTIVE TEST TRACKS

[Under NATIONAL AUTOMOTIVE BOARD (Ministry of Heavy Industries), Govt. of India]

NATRAX/D-T-REP/LS/e-2W/ S-0176

Dated: 04th Mar'2024

VERIFICATION REPORT

1. Customer Details:

Company Name & Address	Assembly Location
DUVIK INTERNATIONAL FLOOR 2, 16C, 6, NAVJIVAN CHS LTD., MORI ROAD, MAHIM, MUMBAI CITY, MAHARASHTRA, 400016	DUVIK INTERNATIONAL FLOOR 2, 16C, 6, NAVJIVAN CHS LTD., MORI ROAD, MAHIM, MUMBAI CITY, MAHARASHTRA, 400016

2. Description of Test Sample:

Desc.	MODEL/ID	Make	Chassis/ Sr. No	Type	Photograph
e-2W	DO DRIVE	DUVIK INTERNATIONAL	DD20230001	e-2W (W/O Pedal AST.)	No. 1 to 4 at Pg. 3
Motor	A1-225W	VSL ELECTRONICS TALES SOLUTIONS LLP	ME03202309150136	BLDC	No.6 at Pg.3
Controller	VSLC01		2306000326007	Vector Loop	No.7 at Pg.3
Battery	Li6026	IPOWER BATTERIES PVT. LTD.	08230098	Li-ion	No.8 at Pg.3
Working Voltage		60 Volt			




3. Test Objective: To carry out applicable testing / verification of electric 2-wheeler (Model 'DO DRIVE' refer Annexure-I for photographs) for verification as per clause No. 2 of GSR 291 (E) Dt. 24-04-2014.

4. Observations and Test Results:

Parameter	Requirement	Observed	Compliance Verified
Max Speed	< 25 Kmph	15.5 Kmph	Complied <input checked="" type="checkbox"/>
Max 30 Min. Power	< 250W	150 W	
Unladen Weight without Battery	≤ 60 Kg	55.4 kg	
Fitment of Reflector (Front)	White Colour	White Colour	Not Complied <input type="checkbox"/>
Fitment of Reflector (Rear)	Red Colour	Red Colour	
Suitable Brake System	Shall be fitted	Fitted (Fr. Drum, Rr. Drum)	

5. Conclusion: The 2-wheeler model (with its parts) as submitted by the customer and as mentioned in clause no. 2 above, comply to the criteria specified in Cl. No.2 of GSR 291 (E) dated 24.04.14.

6. Remarks: This Report is issued after verification of the actual sample of 2-Wheeler (with its parts) as submitted by the applicant/ customer/ company to NATRAX. NATRAX will not be liable for any claim/ blame, in case, if the applicant/ customer/ company, changes/ modifies or adjusts, the specifications/ settings of the 2-Wheeler model- **DO DRIVE** and sells the same in the market with modified specifications.

Authorized Signatory:	Case ID: NATRAX/e-2W/250W/24/218		Please turn over for DISCLAIMER
LAB IN-CHARGE	Asst. MANAGER		DIRECTOR
			
Manish Mandloi	Umesh Raghuwanshi	NATRAX Stamp	Dr. Manish Jaiswal

Disclaimer:

This test report pertains only to the components/parts/ assemblies etc., actually tested at NATRAX 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 NATRAX of the product. No extract, abridgment or abstraction from this test report shall be published or used to advertise the product without the written consent of the Centre Head/ Director, NATRAX, 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. NATRAX 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 provisions of Indian laws or laws of other countries, will be sole responsibility of the customer and NATRAX shall not be liable for any claims for damages, made by the party, whatsoever. The customer shall alone be liable for the same and undertakes to indemnify NATRAX in this regard. Further, NATRAX 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 NATRAX. The appropriate local courts at Indore shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.

1. NATRAX issues Test Reports/ Extension Reports/ Developmental Test Reports for Vehicles/ Components/ Parts/ Assemblies etc. based on the documents produced and/ or prototype/ vehicle (s) or sample (s) submitted by the applicant and testing thereof.
2. NATRAX issues Test Reports/ Extension Reports/ Developmental Test Reports in compliance to Motor Vehicle Act/ Central Motor Vehicle Rules and their provisions as amended from time to time or any other statutory orders under which NATRAX is authorized. Other Rules/ Acts are outside the purview/ Scope of the Test Reports/ Extension Reports/ Developmental Test Reports.
3. Test (s) on prototype/ Vehicle (s) or Sample(s) is/are carried out on the basis of standard test procedures as notified under specific rules/ requested by the applicant. Results of such tests are property of bearer Test Reports/ Extension Reports/ Developmental Test Reports. These results cannot be disclosed unless specifically ordered so by Government/ court etc.
4. Unless otherwise supported by a separate certificate, this Test Reports/ Extension Reports/ Developmental Test Reports shall not be considered in isolation as valid Type approval for any vehicle.
5. NATRAX is not responsible for testing each Vehicles/ Components/ Parts/ Assemblies etc. for which Test Reports/ Extension Reports/ Developmental Test Reports is/ are issued. Further NATRAX is not responsible for ensuring manufacturing quality of the Vehicles/ Components/ Parts/ Assemblies etc. for which Test Reports/ Extension Reports/ Developmental Test Reports is/ are issued.
6. NATRAX is in no way responsible for any misuse of copying of any design/ Type/ System in connection with entire Vehicles/ Components/ Parts/ Assemblies etc. covered under the Test Reports/ Extension Reports/ Developmental Test Reports is/ are issued.
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8. Further, NATRAX has the right, but not under obligation to initiate cancellation/ Withdrawal of the Test Reports/ Extension Reports/ Developmental Test Reports is/ are issued in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of.

Abbreviations:

- i) **D-T-REP:** Developmental Test Report.
- ii) **e-2W:** Electrically operated 2-Wheeler
- iii) **LS:** Low Speed
- iv) **Ast.:** Assistance
- v) **W/O:** without.
- vi) **Desc. :** Description

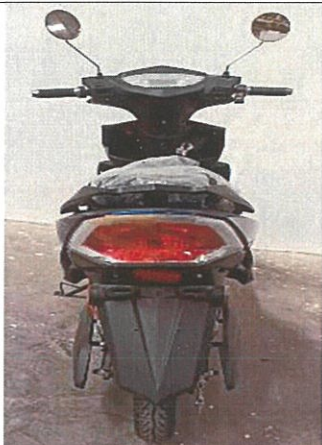
ANNEXURE-I (e-2W-Model- DO DRIVE)



1. DO DRIVE Side View-Right



2. DO DRIVE Side View-Left



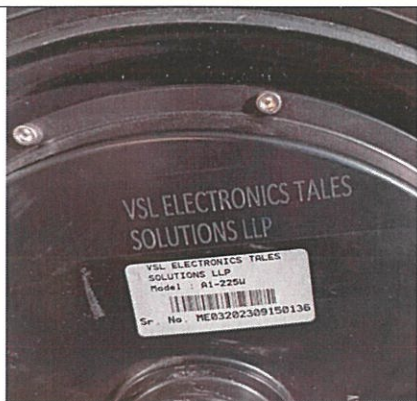
3. DO DRIVE Rear View



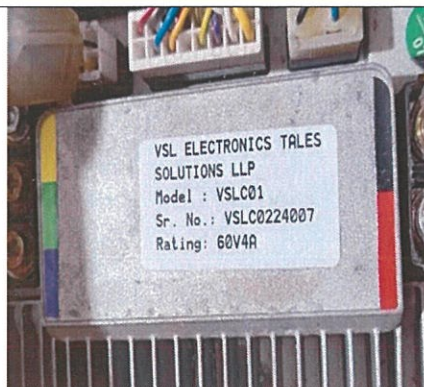
4. DO DRIVE Front View



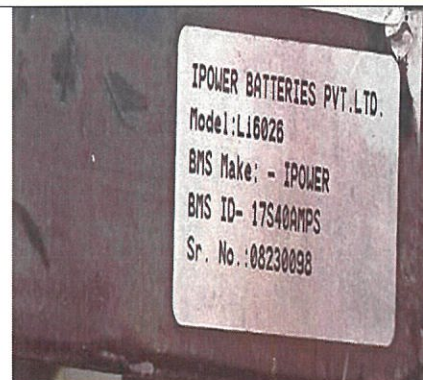
5. DO DRIVE Battery Location



6. DO DRIVE Motor



7. DO DRIVE Controller



8. DO DRIVE Battery

Battery Certification Details	Report: CT3GS9205, TAC - CP9213
Fr. And Rr. Tyre	Fr.3.00-10, Rr. 3.00-10
Max Speed-Test Reference no.:	NATRAX/LP/2W/Max Speed/218, 20-02-24, 9:20 AM
Max 30 Min. Power-Test Reference no.:	Refer Test Report No. – CTOET0040

LAB IN-CHARGE	Asst. MANAGER	DIRECTOR	
Manish Mandloi	Umesh Raghuwanshi	NATRAX Stamp	Dr. Manish Jaiswal