

अंतर्राष्ट्रीय ऑटोमोटिव प्रौद्योगिकी केन्द्र
INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

[A Division of NATRiP Implementation Society (NATIS), Govt. of India]

C T O V S 0 7 0 8

Date : 27 April 2023

PERFORMANCE TEST (CMVR) REPORT

1	Customer's Name	M/s ASHMA-MOTORS PRIVATE LIMITED
2	Customer's Address	C/O Ali Akbar, Boropara, Chakbansberia, Bansberia, Hooghly, West Bengal, 712 121
3	Technical Specification No. & Date	AMP/TA/01 & Dated : 01/01/2023
4	Docket Id	CVTNBAHMASACSC164489
5	Description of Test Sample a) Model b) Type c) Category d) Manufacturer	ASHMA A-1 Special Purpose Battery Operated Vehicle E-Rickshaw M/s ASHMA-MOTORS PRIVATE LIMITED
6	Test Objective	Compliance to the requirements of CMVR-1989 as amended up to date.
7	Test Method	As per respective standards.
8	Conclusion	Vehicle meets the compliance requirements of respective standards.
9	Place of Issue	ICAT Centre II
10	Total No. of pages	16 + 3 Drawings

Format No.: ICAT/VEL/F/22/04

Remarks : Refer page 16 of 16 for Disclaimer.

Prepared By	Checked & Authorized By	Approved By	
			
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			Page 1 of 16 + 3 Dwgs.

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(An ISO 9001, ISO 14001 and ISO 45001 certified, scope wise NABL accredited and BIS recognised Test House)

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Date : 27 April 2023

**PERFORMANCE TEST (CMVR) REPORT
ASHMA A-1**

Motor No. **00001** Date of Receipt of Sample (DUT) **04 April 2023**
 Chassis No. **MD9AMPWE4AA958001** Date of Performance of Test **11 April 2023**
 Test Site **ICAT Centre II** **Battery Operated Vehicle**

Physical/Functional verification of sample **OK**

Lighting and Light – Signaling Devices as per AIS-009 : 2001

Rule No.	Parameters					Remarks
124 (1) (24)	Fitment of lamps (Clause No. 4.1.1 and Table1)					
	Lamp	Mandatory/ Not mandatory	Provided/ Not Provided	Number	Colour	Observed Marking(s)
	Main Beam Head Lamp	Mandatory	Provided	One	White	VAI
	Dipped Beam Head Lamp	Mandatory	Provided	One	White	VAI-001, RM 2441
	Front position lamp	Mandatory	Provided	Two	White	VAI RN 2514 RN 2515 RN 2516
	Front Direction Indicator Lamp	Mandatory	Provided	Two	Amber	
	Rear Direction Indicator Lamp	Mandatory	Provided	Two	Amber	VAI AP1664
	Rear Position Lamp	Mandatory	Provided	Two	Red	
	Stop Lamp	Mandatory	Provided	Two	Red	VAI RN 2514 RN 2515 RN 2516
	Reversing Lamp	Optional	Provided	Two	White	
	Rear Retro Reflector	Mandatory	Provided	Two	Red	RAJULEX JBI-111, RH-2259
	Rear Registration Plate Lamp	Mandatory	Provided	One	White	VAI VAI-016, RN 2486
	Reflecting Tape (Front)	Mandatory	Provided	One	White	3M A94495
	Reflecting Tape (Rear)	Mandatory	Provided	One	Red	3M A94495

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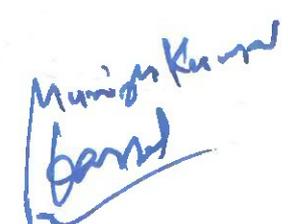
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Test Site ICAT Centre II	Battery Operated Vehicle

Physical/Functional verification of sample OK

Lighting and Light – Signaling Devices as per AIS-009 : 2001

Rule No.	Clause No.	Parameters	Remarks	
124 (1) (24)	a) Requirements for alignment of lamps:			
	11.1	The lamps aligned towards the front and these lamps may turn with the steering.		
		a)	Headlamp main beam	Complies
		b)	Headlamp Passing Beam	Complies
		c)	Front Direction Indicator	Complies
	11.3	b)	Front Position Lamp	Complies
		The lamps aligned towards the rear		
		a)	Stop Lamp	Complies
		b)	Rear Position Lamp	Complies
		c)	Rear Direction Indicator	Complies
		d)	Rear Registration Plate Lamp	Complies
		e)	Reverse Lamp	Complies
	4.3.2	No lamp giving a red light to the front or showing light other than red to the rear shall be permitted, except the following: Amber light for direction indicator lamp. White light illuminating the rear registration mark		Complies
	5.3	Reference axis of all light-signalling devices when fitted to the vehicle shall be parallel to horizontal bearing plane of the vehicle.		Complies
5.3.1	Reference axis shall be parallel to longitudinal median plane of the vehicle in the case of all other signaling devices. In each direction a tolerance of 3° is allowed.		Complies	
5.6.1	Both rear and front direction indicator be installed on the vehicle symmetrically in relation to longitudinal median plane.		Complies	
5.6.2	Both rear and front direction indicator be symmetrical to each other in relation to longitudinal median plane.		Complies	
5.8	In the absence of specific instructions no lamps other than director indicator lamps and hazard-warning signal shall emit a flashing light.		Complies	

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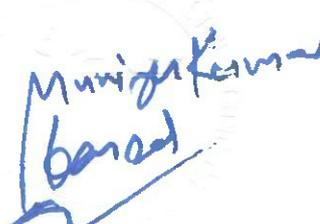
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Physical/Functional verification of sample **OK**

Lighting and Light – Signaling Devices as per AIS-009 : 2001

Rule No.	Clause No.	Parameters	Remarks
124 (1) (24)	Location – Width		
	6.1.1	When the vehicle is fitted with a main-beam headlamp, which is reciprocally incorporated with a dipped-beam headlamp, its reference center shall be on longitudinal median plane of the vehicle.	Complies
	6.1.3	When the vehicle is fitted with more than one lamp, (either independent or reciprocally incorporated main-beam, dipped-beam headlamp or another front lamp) and they are fitted to one side of each other, their reference centres shall; be symmetrical in relation to longitudinal median plane of the vehicle.	Not Applicable
	6.1.3.3	In case of three wheelers fitted with more than one lamp, the edges of the apparent surfaces in the direction of the reference axes furthest from longitudinal median plane of vehicle shall not be more than 300 mm from the extreme outer edge of the vehicle.	Not Applicable
	6.2.1.2	Front Direction Indicator lamps shall be situated outside the vertical longitudinal planes that are tangent to the outer edges of the apparent surfaces in the direction of reference axes of the headlamp(s).	Complies
	6.2.2.1	In the case of three wheelers and two wheelers fitted with side car: The edges of the apparent surfaces in the direction of reference axes furthest from longitudinal median plane shall not be more than 300 mm from the extreme outer edge of the vehicle.	Complies (188 mm)
	6.2.2.2	In the case of three wheelers and two wheelers fitted with side car: The inner edges of apparent surfaces in the direction of reference axes shall be at least 500 mm apart.	Complies (510 mm)
	6.3.2	Distance between the inner edges of apparent surfaces of the Rear Direction Indicator lamps in the direction of reference axes at least 500 mm.	Complies (620 mm)
	6.4.1	The reference centre shall be located on longitudinal median plane of the vehicle if there is only one rear position lamp or, if there are two rear position lamps, these shall be symmetrical to longitudinal median plane of the vehicle.	Complies
	6.4.2	In the case of vehicles with two rear wheels, and two wheelers fitted with side car, the edges of the apparent surfaces in the direction of the reference axes furthest from longitudinal median plane of vehicle shall not be more than 300 mm from the extreme outer edge of the vehicle.	Complies (93 mm)
6.4.3	In the case of three wheelers, the distance between the inner edges of the apparent surfaces in the direction of reference axes shall be minimum of 400 mm when overall width of the vehicle does not exceed 1400 mm and minimum of 600 mm. when overall width of the vehicle exceeds 1400 mm.	Complies (620 mm)	

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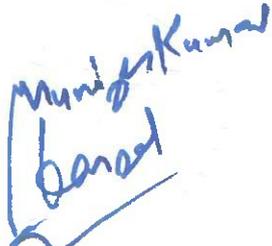
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Chassis No. MD9AMPWE4AA958001	Date of Performance of Test	11 April 2023
Test Site ICAT Centre II	Battery Operated Vehicle	

Physical/Functional verification of sample OK

Test Description: Lighting and Light – Signaling Devices as per AIS-009 : 2001(Rev. 1)

Rule No.	Clause No.	Parameters	Remarks
124 (1) (24)	Location – Width		
	6.5	Stop Lamp: Same conditions prescribed for Rear Position Lamp(6.4) shall be applicable.	Complies
	6.6.1	The reference centre shall be located on longitudinal median plane of the vehicle if there is only one retro reflector or, if there are retro reflector, these shall be symmetrical to longitudinal median plane of the vehicle.	Complies
	6.6.2	In addition, in the case of three wheelers and two wheelers fitted with a side car, the edges of the illuminating surfaces furthest from longitudinal median plane of vehicle shall not be more than 300 mm from the extreme outer edge of the vehicle.	Complies (236 mm)
		The distance between the inner edges of the illuminating surfaces shall be minimum of 400 mm when overall width of the vehicle does not exceed 1400 mm and minimum of 500 mm. when overall width of the vehicle exceeds 1400 mm.	Complies (400 mm)
	6.7.2	An independent front position lamp if fitted to one side of another front lamp, reference centre shall be symmetrical in relation to longitudinal median plane of the vehicle.	Not Applicable
	6.7.3	A front position lamp that is reciprocally incorporated with another front lamp shall be fitted in such a way that its reference centre lies on longitudinal median plane of the vehicle.	Not Applicable
	6.7.4	Two front position lamps, of which one or both are combined with another front lamp, shall be installed in such a way that their reference centres are symmetrical in relation to longitudinal median plane of the vehicle.	Not Applicable
	6.7.5	In the case of three wheelers and two wheelers fitted with side car, the edges of the apparent surfaces in the direction of reference axes furthest from longitudinal median plane of vehicle shall not be more than 300 mm from the extreme outer edge of the vehicle.	Complies (198 mm)
	6.7.6	In the case of three wheelers, the distance between the inner edges of the apparent surfaces in the direction of reference axes shall be minimum of 400 mm when overall width of vehicle does not exceed 1400 mm and minimum of 600 mm when overall width of vehicle exceeds 1400 mm.	Complies (470 mm)
	6.9	Reversing Lamp: In case of two reversing lamps, they shall be mounted at rear, symmetrical with respect to longitudinal median plane of the vehicle. If there is only one, it may be mounted to one side of the vehicle at rear.	Complies
	6.10	Reflective Tape	
6.10.1	Arrangement:		

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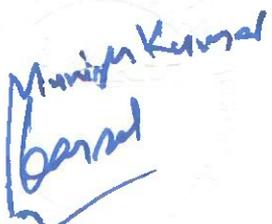
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ASHMA A-1**

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Test Site ICAT Centre II	Battery Operated Vehicle
Physical/Functional verification of sample OK	

Test Description: Lighting and Light – Signaling Devices as per AIS-009 : 2001(Rev. 1)

Rule No.	Clause No.	Parameters	Remarks
124 (1) (24)	6.10.1.1	At the front: White Reflective tape of width not less than 20 mm conforming to Annexures 4, 5 and 6 of AIS: 090-2005.	Complies
	6.10.1.2	At the rear: Red Reflective tape of width not less than 20 mm conforming to Annexures 4, 5 and 6 of AIS: 090-2005.	Complies
	6.10.1.3	The Reflective Tape shall be as close as practicable to horizontal, compatible with the shape, structure, design and operational requirements of the vehicle.	Complies
	6.10.2	Position:	
	6.10.2.1	Width: Reflective Tape at the front and at the rear shall be affixed across the width of the body of the vehicle. This condition will be deemed to be met if the requirement of 6.10.2.1.1 or 6.10.2.1.2 is met.	Complies
	6.10.2.1.1	The projected distance between extreme edges of the reflective tape elements, as mounted on the front / rear surface of vehicle shall equate to at least : a) At Front : 65 per cent of the projected width of the Front body surface of the vehicle and b) At Rear: 75 per cent of the projected width of the Rear body surface of the vehicle.	Complies
	6.10.2.3	Height: Not less than 250 mm nor more than 1500 mm above the ground;	Complies
	6.10.3, 6.10.3.1 & 6.10.3.1.1	Visibility: The Reflective Tape shall be considered visible, if at least 70 per cent of the illuminating surface of the installed reflective tape is visible when viewed by an observer positioned at any point within the observation planes defined below: For rear and front Reflective Tape the observation plane is perpendicular to the longitudinal axis of the vehicle situated 25 m from the extreme end of the vehicle and bounded by: a) In height, by two horizontal planes 1 metre and 3 metre above the ground; b) In width, by two vertical planes which form an angle of 4° outwards from the vehicle's median longitudinal plane and which pass through the intersection of the vertical planes parallel to the vehicle's median longitudinal plane delimiting the vehicle's overall width, and the plane perpendicular to the longitudinal axis of the vehicle that delimits the end of the vehicle.	Complies
	6.10.4	Orientation To the rear and to the front: As close as practicable to being parallel to the transverse plane of the vehicle, compatible with the shape, structure, design and operation requirements of the vehicle, if this is not possible, it shall follow as close as practicable the contour of the outer shape of the vehicle.	Complies
	6.10.5	Other requirements:- Reflective Tape shall be considered continuous if the distance between adjacent elements are as small as possible and shall not exceed 300 mm.	Complies

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 Test Site **ICAT Centre II** Battery Operated Vehicle

Physical/Functional verification of sample **OK**

Test Description: Lighting and Light – Signaling Devices as per AIS-009 : 2001(Rev. 1)

Rule No.	Clause No.	Parameters	Remarks		
124 (1) (24)	Location – Longitudinal				
	7.1.1	Head lamp (main/passing beam): These lamps shall be at the front of the vehicle. This requirement is considered to have been met if the light emitted does not disturb the driver either directly or indirectly by means of rear-view mirrors and/or other reflective surfaces on the vehicle.	Complies		
	7.1.2	In any case, the distance between the edge of the apparent surfaces in the direction of the reference axes of any independent main-beam headlamp and the edge of that of dipped-beam headlamp shall not exceed 200 mm.	Not Applicable		
	7.1.3	In the case of two main-beam headlamps the distance separating the apparent surfaces in the direction of reference axes of these two main-beam headlamps shall not exceed 200 mm.	Not Applicable		
	7.1.4	In the case of two dipped-beam headlamps the distance separating the apparent surfaces in the direction of the reference axes of these dipped-beam headlamps shall not exceed 200 mm.	Not Applicable		
	7.2.	Rear Direction Indicator Lamp: The distance towards Front between the transverse plane corresponding to the longitudinal rearmost extremity of the vehicle and the centre of reference of rear indicators shall not exceed 300 mm.	Complies		
	7.3	Rear Position Lamp, Stop Lamp and Rear Retro Reflector: These shall be fitted at the rear of the vehicle.	Complies		
	9.0	Rear Registration Mark illuminating lamp: The positions shall be such that the lamp illuminates the area reserved for rear registration mark.	Complies		
1.4 Location - Height of the Lamps					
8.1 (Table 2)	Lamp	Minimum Height (mm)		Maximum Height (mm)	
		Required	Measured	Required	Measured
	Head Lamp Assembly (Main beam & Dipped beam)	450	800	1200	950
	Front Position Lamp	350	565	1500	660
	Front Direction indicator	350	585	1500	640
	Rear Position	350	398	1500	493
	Stop lamp	350	418	1500	473
	Rear Retro Reflector	250	615	900	650
	Rear Direction indicator	350	620	1500	715
Reverse Lamp	250	510	1200	605	

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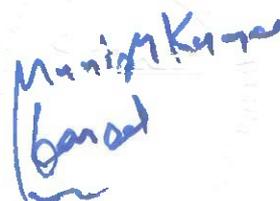
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Physical/Functional verification of sample OK

Lighting and Light – Signaling Devices as per AIS-009 : 2001

Rule No.	Clause No.	Parameters	Remarks		
124 (1) (24)	12.0,13.0 & 14.0 (Table No. 4, 5 and 6)	Grouping, Combining and Reciprocal Incorporation of Lamp			
		Lamp	Grouped with	Combined with	Incorporated with
		Main Beam head lamp	--	--	Dipped Beam Head Lamp
		Dipped Beam Head Lamp	--	--	Main Beam Head Lamp
		Front Direction Indicator lamp (FDI)	Front Position Lamp	--	--
		Rear Position Lamp (RPL)	Stop Lamp	--	--
		Registration mark Illuminating Lamp	Independent		
		Rear Direction Indicator Lamp (RDI)	Independent		
		Front Position Lamp (FPL)	Front Direction Indicator lamp	--	--
		Retro Reflector (RR)	Independent		
Reverse Lamp (RL)	Independent				
Stop Lamp (SL)	Rear Position Lamp	--	--		

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Asst. Manager	Manager	

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ASHMA A-1**

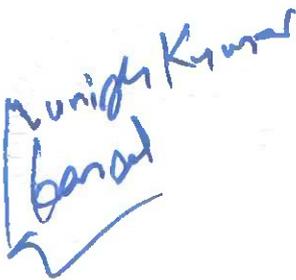
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Physical/Functional verification of sample OK

Lighting and Light – Signaling Devices as per AIS-009 : 2001

Rule No.	Clause No.	Parameters	Remarks
124 (1) (24)	Electrical connections		
	15.1	The main-beam headlamps shall light simultaneously. Dipped-beam headlamps shall light simultaneously. All main-beam headlamps shall light when they are switched from dipped-beam to main-beam. All main-beam headlamps shall be extinguished simultaneously when switched from main-beam to dipped-beam. The dipped-beam headlamps may remain lit at the same time as the main-beam headlamps.	Complies
	15.2	It shall be possible to switch on direction indicator lamps independently of other lamps. All direction indicator lamps on one side of a vehicle shall be switched on and off by means of single control.	Complies
	15.3	Rear Position Lamp Shall light simultaneously with dipped-beam head lamp, main-beam headlamp, rear registration mark illuminating lamp, and if fitted, front position lamp.	Complies
	15.5	Rear Number Plate Lamp Shall light simultaneously with dipped-beam headlamp, main-beam headlamp, front position lamp and rear position lamp.	Complies
	15.6	Front Position Lamp (if fitted) shall light simultaneously with dipped-beam headlamp, main beam headlamp, rear registration plate illuminating lamp and rear position lamp.	Complies
	15.7	Hazard warning lamp: The signal shall be actuated by a separate control, which enables all of direction indicators to be supplied with current simultaneously. (Optional)	Not Provided
	15.8	Reversing lamp shall light up on engagement of reverse gear. However, it need not light up before the engine is started.	Complies

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Lighting and Light – Signaling Devices as per AIS-009 : 2001

Rule No.	Clause No.	Parameters	Remarks	
124 (1) (24)	Circuit – Closed tell tale			
		Lamp	Requirement	Remark
		16.1 Main –beam head lamp	As per IS 14413 :1996	Tell tale - Blue & Complies
		16.2 Dipped –beam head lamp	Optional	Complies
		16.3 Direction indicator lamps	As per IS: 14413-1996	Tell tale - Green & Complies
		16.4 Stop Lamp	Prohibited	Complies
		16.5 Rear Position lamp (Tail Lamp)	Optional. The device provided, where appropriate, for front position lamp may fulfil its function.	Complies
		16.6 Rear Registration Mark illuminating Lamp	Optional. Its function may be fulfilled by the device provided, where appropriate, for front position lamp.	Complies
		16.7 Front Position Lamp	Non-flashing green indicator light is mandatory. This telltale is not required if instrument lighting can only be switched on or off together with front position lamp.	Complies
		16.9 Hazard warning lamp	It shall be in the form of a red flashing light or, if there is no separate telltale, the simultaneous operation of the telltales specified in 16.3 is permitted.	Not Provided
	16.10 Reversing lamp	Tell tale-Optional	Complies	

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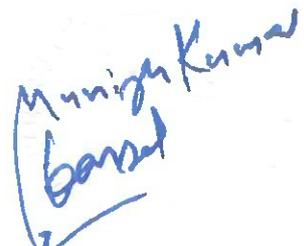
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Lighting and Light – Signaling Devices as per AIS-009 : 2001

Rule No.	Clause No.	Parameters	Remarks	
124 (1) 24	Other Requirements			
		Lamp	Requirement	
	17.2.2	Direction Indicator Lamp (Supplied with direct current.)	Actuation of the light signaling device control shall be followed by illumination of lamp within a maximum of one second and initial extinction of lamp within a maximum of one and half second.	Complies
	17.2.3.1		Flashing Light-frequency shall be 90 ± 30 times per minute.	Frequency - 106 flashes/minute & Complies
	17.2.3.2		The direction indicator lamps on the same side of the vehicle shall flash at the same frequency and in phase.	Complies
	17.2.6	Direction Indicator Lamp	The front lamps shall not be visible to the rear nor the rear lamps to the front within the zones defined in Figures 2 (a), 2(b) and (2c).	Complies
	17.2.5		In the event of failure, other than short circuit, of one direction indicator lamp, the other shall continue to flash, or remain lit but the frequency in this state may be different from that specified.	Complies
17.4.2	Hazard Warning Lamp	It shall be possible to actuate hazard warning lamp even if the device for switching the engine on or off is in a position such that it is impossible for the engine to operate.	Not Mandatory Not Provided	

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Physical/Functional Verification Of Sample OK

Test Description:- RVM Installations as per AIS-002 (Part 2) (Rev.1) : 2011

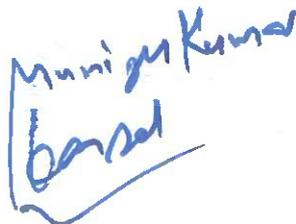
Rule No. 125(2)

Clauses	Description	Remarks
16.1	General Requirement	
16.1.1	The rear-view mirrors installed on the vehicle shall be of "Class L".	Complies
16.1.2	Rear-view mirrors shall be fixed in such a way that they remain steady under normal conditions of use.	Complies
16.2	Number	
16.2.1	All L category vehicles without body work partly or wholly encloses the driver, with a maximum design speed not exceeding 50 km/h shall be fitted with at least one rear-view mirror. This rear-view mirror shall be on the right side of the vehicle.	Provided
16.3	Position Requirement	
16.3.1	Rear-view mirrors shall be mounted or adjusted in such a way that the distance of the centre of the reflective surface, as measured in a horizontal plane, is at least 280 mm outward from the longitudinal vertical plane passing through the centre of the steering head of the vehicle. Before the measurement, the handlebar shall be placed in the straight ahead position and the mirror(s) shall be adjusted to its (their) normal position.	Complies (Left to center 415 mm and Right to center 415 mm)
16.4	Adjustment of RVM for field of vision	
16.4.1	Rear-view mirror(s) shall be such that the driver is able to adjust it (them) in the normal driving position.	Complies

Rear View Mirror assemblies, Details -

Make	: M/s JB INDUSTRIES
Observed Marking(s)	: JBI-118, RL-2431
Class	: L

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Vijay Negi Asst. Manager	Manish Kumar Manager	

C T O V S 0 7 0 8

Date : 27 April 2023

**PERFORMANCE TEST (CMVR) REPORT
ASHMA A-1**

Motor No. **00001** Date of Receipt of Sample(DUT) **04 April 2023**
 Chassis No. **MD9AMPWE4AA958001** Date of Performance of Test **11 April 2023**
 Test Site **ICAT Centre II** **Battery Operated Vehicle**

Physical/Functional Verification Of Sample **Ok**

Test Description:- Horn Installation as per IS 15796:2008

Rule No.	PARAMETER	TEST RESULTS	
119	Requirement	Measured Value	Horn Make: M/s VINAYAK AUTOMOTIVE INDUSTRIES Horn ID (observed): VAI-009 , RM 2458 Type: 2A Operating Voltage: 12V
	83 dB (A) to 112 dB (A)	95.7 dB(A) @ 12.8 V	
	No multi-toned horn giving a succession of different notes or with any other sound-producing device producing an unduly harsh, shrill, loud or alarming noise shall be installed on the vehicle.	Complies	Test conducted for introduction of new model. First time type approval.

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Vijay Negi	Manish Kumar	
Asst. Manager	Manager	

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Date : 27 April 2023

**PERFORMANCE TEST (CMVR) REPORT
ASHMA A-1**

Motor No. **00001** Date of Receipt of Sample(DUT) **04 April 2023**
 Chassis No. **MD9AMPWE4AA958001** Date of Performance of Test **04 April 2023**
 Test Site **ICAT Centre II** Battery Operated Vehicle

Physical/Functional Verification Of Sample Ok

Test Description:-Hand Hold Installation as per AIS-046 : 2005

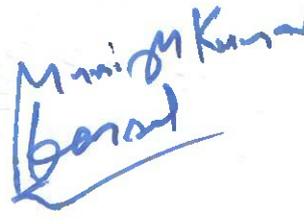
Rule No. **124(1) Table-B**

Clauses	Description	Remarks
4.1	The hand hold holds shall be in the <u>Grab-handle</u> , <u>Strap</u> or <u>Hand-rail form</u> depending on its intended purpose.	Complies
4.1.1	The hand holds shall be fitted for all the occupants sitting outboard except driver.	Complies
4.1.2	The fitment shall be such that it is convenient for the passenger (s) to make use of it in his normal sitting / standing position and during ingress & egress from the vehicle.	Complies
4.1.3	The hand holds shall be a section enabling passengers to grasp them easily and firmly.	Complies
4.1.4	The hand holds shall be such that it can be easily identifiable & having a slip free surface.	Complies
4.1.5	The hand holds shall be so designed and installed as to present no risk of injury to passengers.	Complies
4.2	Dimensional Requirements	
4.2.1 (a.)	The length of the hand hold (L) shall be at least 100 mm to accommodate a hand of passenger.	Complies (108.14 mm)
4.2.1 (b.)	The clearance between hand-hold(s) (C) and the adjacent part of vehicle body or wall shall be of at least 25 mm.	Complies (153.34 mm)
4.2.1 (c)	The cross sectional area measured at the middle of the length of the hand holds other than strap shall be between 130mm ² and 1500 mm ² , enabling passenger to grasp them easily and firmly.	Complies
4.2.1 (d)	In case of straps, width measured at the middle of the length of the strap shall be 40±5 mm.	Not Applicable
4.3	Strength Requirement	
4.3.1	The grab-handle for individual passenger shall be designed in such a way that they shall be able to withstand, without snapping under installed condition, a traction force of 70 kgf, applied statically in the direction of application to the center surface of the grab handle. The compliance of the strength of the grab handle is to be demonstrated, either when installed on the vehicle or on separately on the test fixture, simulating vehicle installation condition.	Complies

Hand Hold Details -

Make	:	M/s Auto Wires Pvt. Ltd.
Identification Number	:	AW

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 Vijay Negi Asst. Manager	 Manish Kumar Manager	

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Date : 27 April 2023

**PERFORMANCE TEST (CMVR) REPORT
ASHMA A-1**

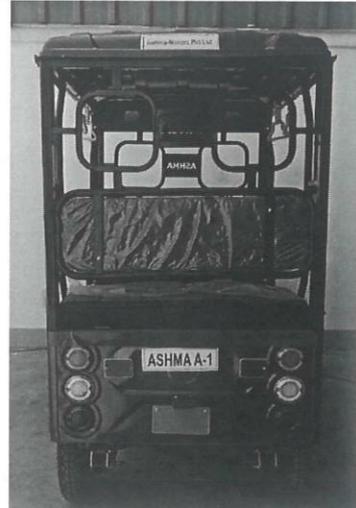
Motor No. 00001	Date of Receipt of Sample(DUT) 04 April 2023
Chassis No. MD9AMPWE4AA958001	Date of Performance of Test 12 April 2023
Test Site ICAT Centre II	Battery Operated Vehicle

Physical/Functional Verification Of Sample Ok

Photographs



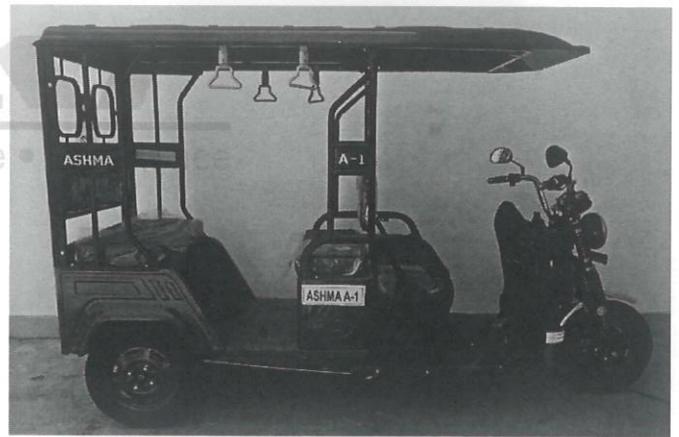
Front View



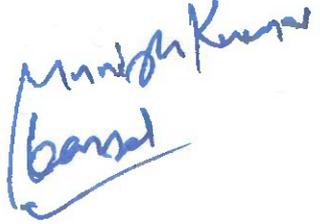
Rear View



Left Side View



Right Side View

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Vijay Negi Asst. Manager	Manish Kumar Manager	

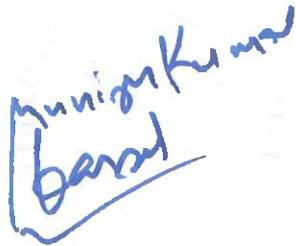
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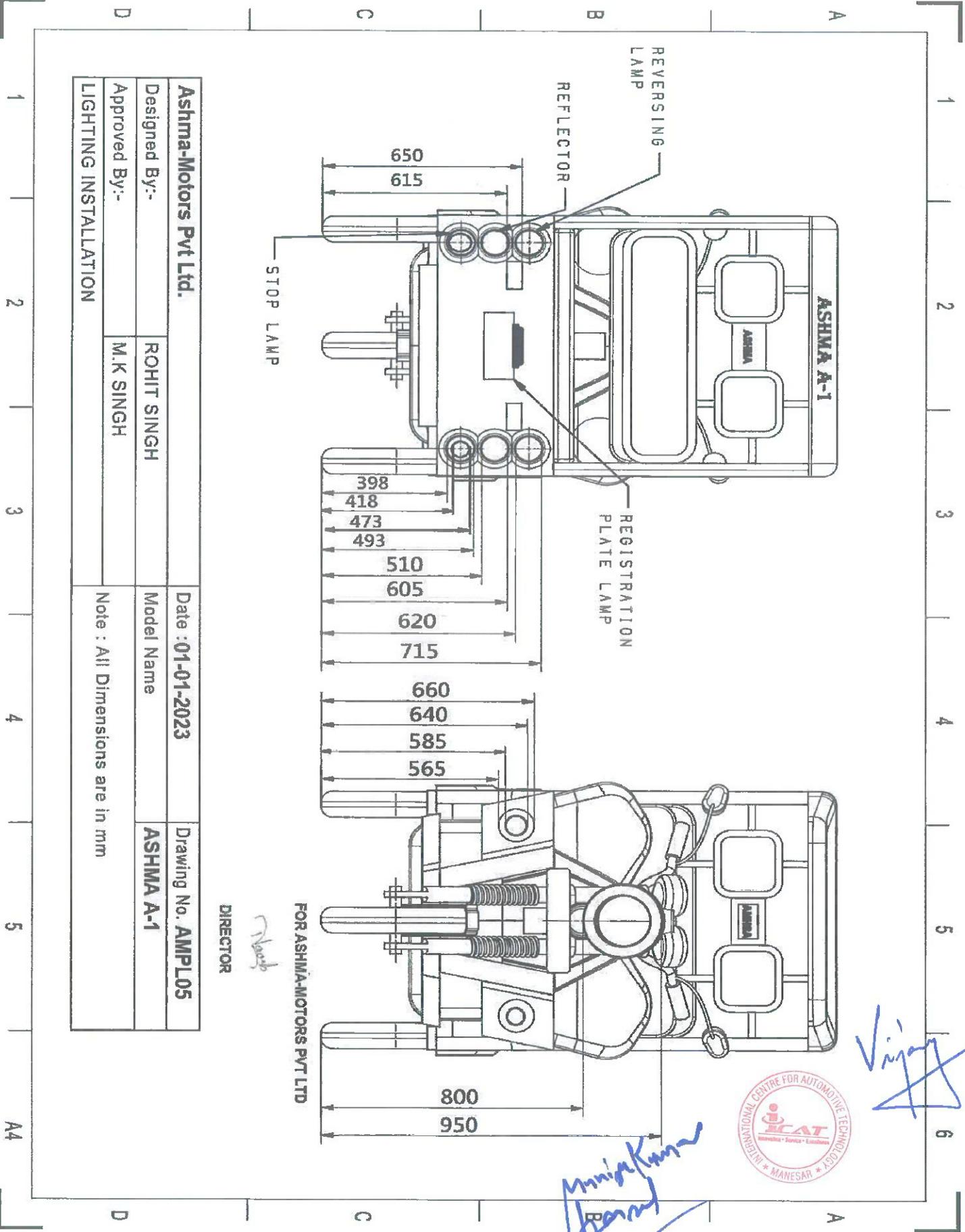
Date : 27 April 2023

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<p>Vijay Negi Asst. Manager</p>	<p>Manish Kumar Manager</p>	



Ashma-Motors Pvt Ltd.		Date : 01-01-2023	Drawing No. AMPL05
Designed By:-	ROHIT SINGH	Model Name	ASHMA A-1
Approved By:-	M.K SINGH	Note : All Dimensions are in mm	
LIGHTING INSTALLATION			

DIRECTOR

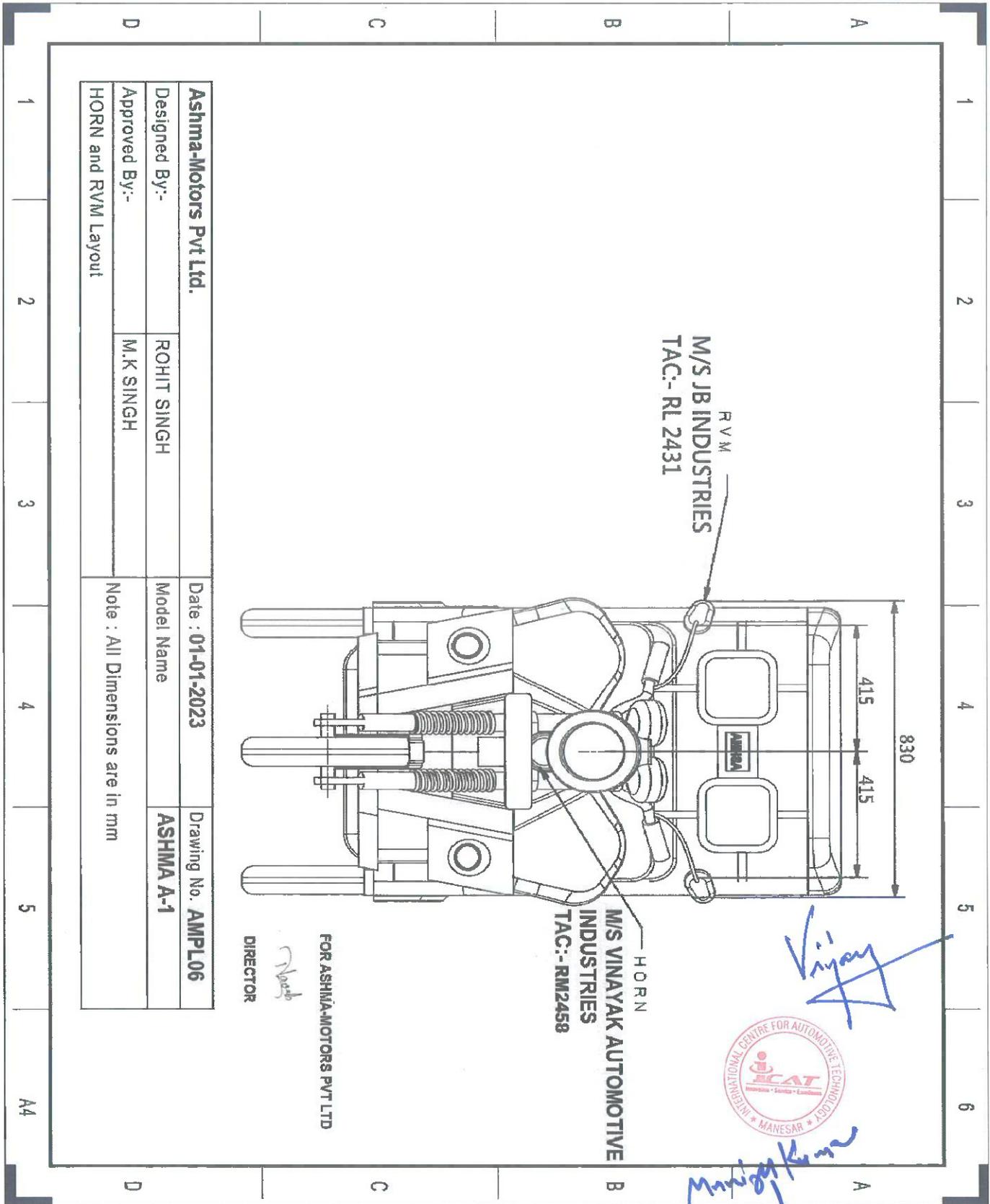
[Signature]

FOR ASHMA-MOTORS PVT LTD

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RVM
 M/S JB INDUSTRIES
 TAC:- RL 2431

HORN
 M/S VINAYAK AUTOMOTIVE
 INDUSTRIES
 TAC:- RM2458

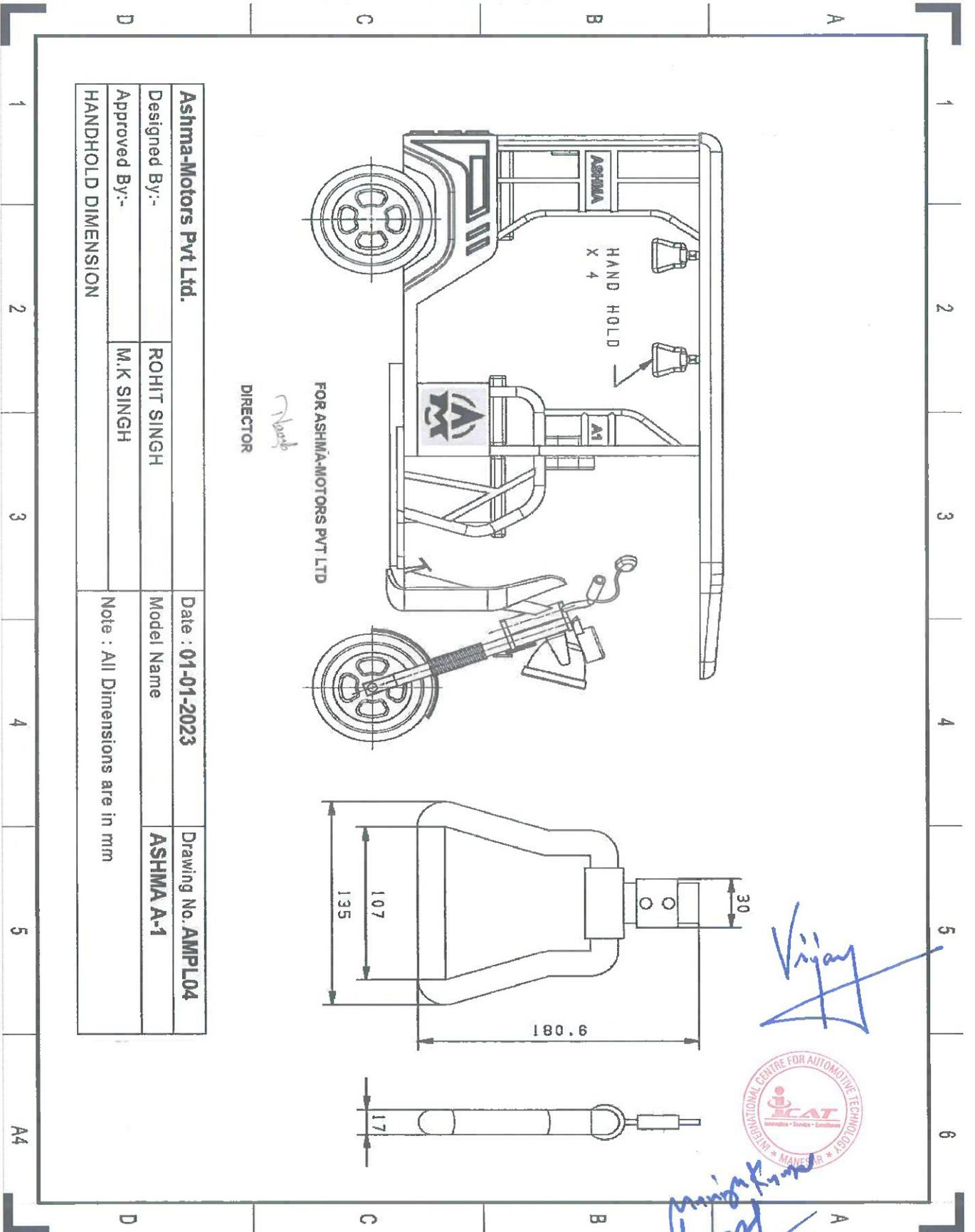
FOR ASHMA-MOTORS PVT LTD
 DIRECTOR

Ashma-Motors Pvt Ltd.		Date : 01-01-2023	Drawing No. AMPL06
Designed By:-	ROHIT SINGH	Model Name	ASHMA A-1
Approved By:-	M.K SINGH	Note : All Dimensions are in mm	
HORN and RVM Layout			



Handwritten signatures in blue ink:
 Vinay
 Rohit Singh
 Ashma

1 2 3 4 5 A4



FOR ASHMA-MOTORS PVT LTD
 DIRECTOR



Handwritten signature/initials in blue ink.