

INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

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





C T O V M 1 8 5 8

Date: 07/11/2017

PERFORMANCE TEST (CMVR) REPORT

1	Customer	M/s Godawari Techno Solutions Pvt. Ltd.
2	Customer Address	391, Surendra nagar, Jhalra Road Kunchaman City, Nagaur Rajasthan 341 508
3	Tech. Specs & Date Docket ID	G-One/TA/01 Dated : 14/09/2017 CVTNBGOTSMKCSC54348
4	Vehicle Tested a) Model b) Type c) Category d) Manufacturer	G-ONE Special Purpose Battery Operated Vehicle E-Rickshaw M/s Godawari Techno Solutions Pvt. Ltd.
5	Test Requirement	Compliance to the requirements of CMVR -1989 as amended up to date as notified in G.S.R 709(E) Dt. 08/10/2014 and SO 2590(E) Dt. 08/10/2014
6	Test Procedure	As per respective standards.
7	Place of Issue	Site - 2
8	Total No. of pages	04 + 02 Drawings

Remarks: Refer page 4 of 4 for Disclaimer.

Format No.: ICAT/VEL/F/22/03			
Prepared By	Checked By		Department Head
			
Abhishek Kumar	Keshav Kr. Tripathi		U. K. Bhat

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02 Dwg.

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C T O V M 1 8 5 8





Date: 07/11/2017

PERFORMANCE TEST (CMVR) REPORT
G-ONE

Motor No. 0001	Manufacturer	M/s Godawari Techno Solutions Pvt. Ltd.
Chassis No. MD9GER11HAR204001	Fuel	Battery Operated
Test Site Site - 2	Vehicle specification	G-One/TA/01
	Reference No. & Date:	Dated : 14/09/2017

Rule No.	PARAMETER	TEST RESULTS						
96(4)	Brake Test (IS 14664:1999) Dynamic Test - Front Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s ²)		Service Brake Type - Mechanical Expandable Brake Shoe Type Front brake - Drum, Hand operated Make of Lining - M/s Siddharth Brake Pvt. Ltd. (Jayna Magnum) Measured Dimensions,mm - 149.7 x 24.7 (ArcLengthxWidth) Drum Diameter, mm- 130 Observed I.D- D17KCC Rear brake - Drum, Foot operated Make of Lining - M/s Siddharth Brake Pvt. Ltd. (Jayna Magnum) Measured Dimensions,mm - 140.0 x 33.5 (ArcLengthxWidth) Drum Diameter, mm- 160 Observed I.D- A1 Tyre Make(All Tyre)-Chao Yang Tyre Size (All Tyre)- 3.75-12 60J Tyre Pressure (All Tyre)- 250 kPa Parking Brake Type of Brake - Mechanical hand lever operated, acting on rear two wheels Refer Drawing No.- GT SPL03 & GT SPL02 brake liner dimensions and brake system layout. * Conducted after type F test as per Clause 13.1 & 13.3.1 of IS 14664 :1999 # Test Conducted as per Clause 12.10 of IS 14664:1999 Test conducted for introduction of new model. First time Type Approval.
				Observed	Limit	Observed	Limit	
	Laden [#]	--	--	--	--	--	--	
	Unladen [#]	18.0	13.3	5.3	6.8	2.6	2.5	
	Hot Performance	18.0	15.1	7.5	11.9	1.7	1.0*	
	Brake Test (IS 14664:1999) Dynamic Test - Rear Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s ²)		
				Observed	Limit	Observed	Limit	
	Laden	18.0	39.6	3.3	6.4	4.5	2.7	
	Unladen	18.0	41.7	3.1	6.8	4.8	2.5	
	Hot Performance	18.0	44.4	3.3	4.6	4.4	2.6*	
Brake Test (IS 14664:1999) Dynamic Test - Both Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s ²)			
			Observed	Limit	Observed	Limit		
			Laden [#]	18.0	41.4	3.2	4.6	6.8
Unladen [#]	18.0	43.1	2.1	4.6	7.4	4.4		
Brake Test (IS 14664:1999) Parking Brake	Initial Speed (km/h)	Control Force (kg)	Stopping Distance (m)		MFDD (m/s ²)			
			Observed	Limit	Observed	Limit		
Dynamic Parking Brake	18.0	12.5	5.3	15.3	2.4	1.5		
Static Parking Brake	Could hold the laden vehicle upwards & downwards, with G.V.W. 719 kg on 18% gradient with force of 16.2 kg.							

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Prepared By	Checked By		Department Head
			
Abhishek Kumar	Keshav Kr. Tripathi		U. K. Bhat

C T O V M 1858

Date: 07/11/2017

**PERFORMANCE TEST (CMVR) REPORT
G-ONE**

Motor No. 0001	Manufacturer	M/s Godawari Techno Solutions Pvt. Ltd.
Chassis No. MD9GER11HAR204001	Fuel	Battery Operated
Test Site Site - 2	Vehicle specification	G-One/TA/01
	Reference No. & Date:	Dated : 14/09/2017

Rule No.	PARAMETER	TEST RESULTS			
--	Weight Measurement (IS 11825:1986)			Measured Vehicle Dimensions Length, mm - 2795 Width, mm - 965 Height, mm - 1795 Total Battery Weight - 114.9 kg Battery Weight, 1 st - 28.1 kg, 2 nd - 29 kg 3 rd - 29.3 kg, 4 th - 28.5 kg Battery, Make : M/s Exide Industries Model/ID: 12ERRED100L Format No. : ICAT/VEL/F/12/01	
	Unladen		Specified		Measured
	FAW, kg	94.0	94.0		
	RAW, kg	245.0	245.0		
	Total Weight, kg	339.0	339.0		
	Laden				
	FAW, kg	203.0	203.0		
	RAW, kg	516.0	516.0		
	Total Weight, kg	719.0	719.0		





Remarks: The vehicle meets the requirement of above mentioned CMV Rules applicable as per the G.S.R. 709(E) Dt. 8/10/2014 and SO 2590(E) Dt. 8/10/2014



MFG. BY: M/s GODAWARI TECHNO SOLUTIONS PVT. LTD.
 MODEL NAME: G - ONE
 TYPE APPROVAL No. MD9GER11HAR204001
 VIN
 GVW 719 kg.
 MAX PERMITTED FAW 203 kg.
 MAX PERMITTED RAW 516 kg.
 MOTOR ID. / SL.No. KTC M-1000 / 0001
 CONTROLLER ID. / SL.No. KTC C48-50A / 0001



MD9GER11HAR204001

Prepared By	Checked By		Department Head
			
Abhishek Kumar	Keshav Kr. Tripathi		U. K. Bhat

C T O V M 1 8 5 8





Date: 07/11/2017

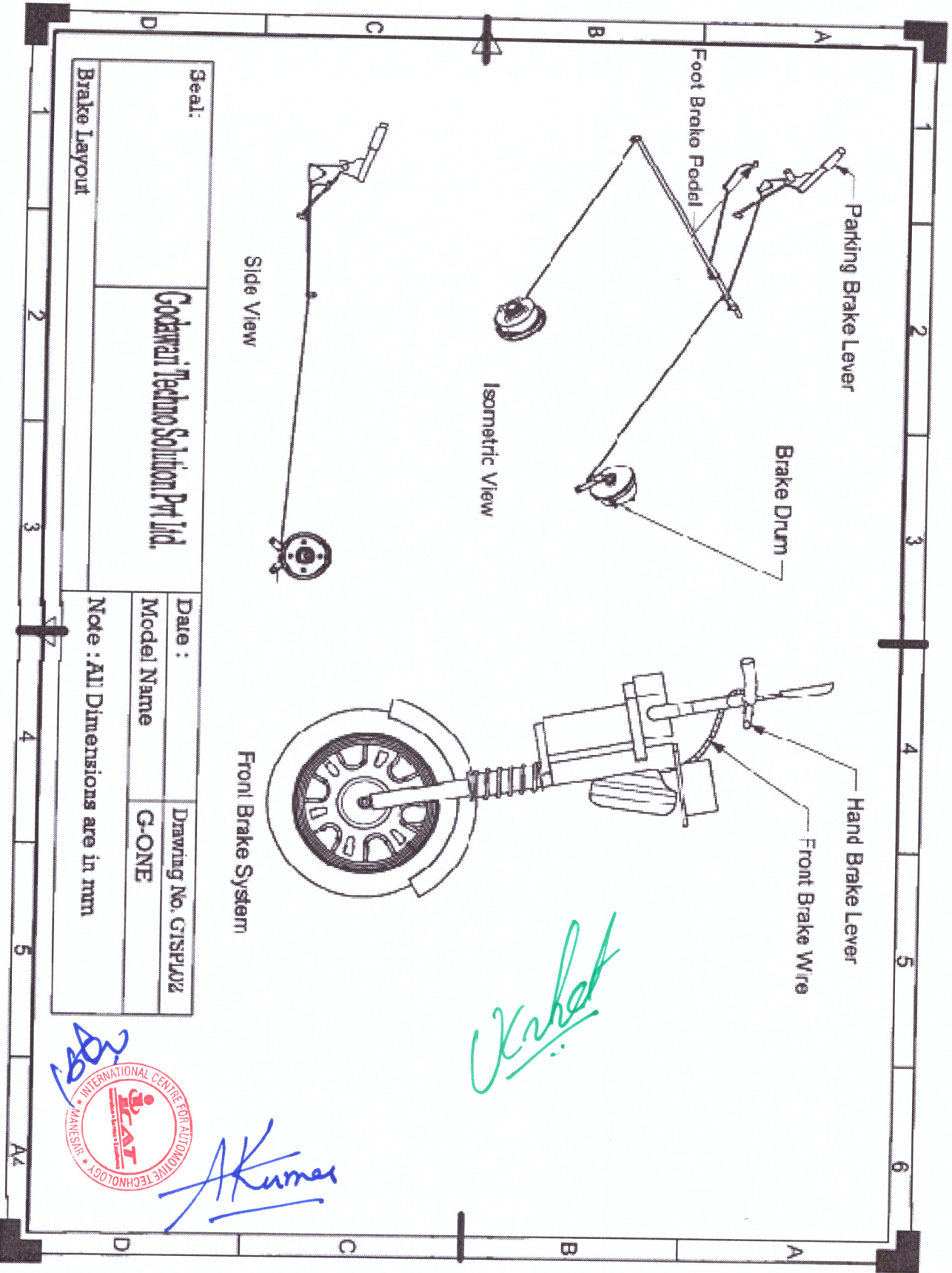
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Format No.: ICAT/MEL/F/52/00

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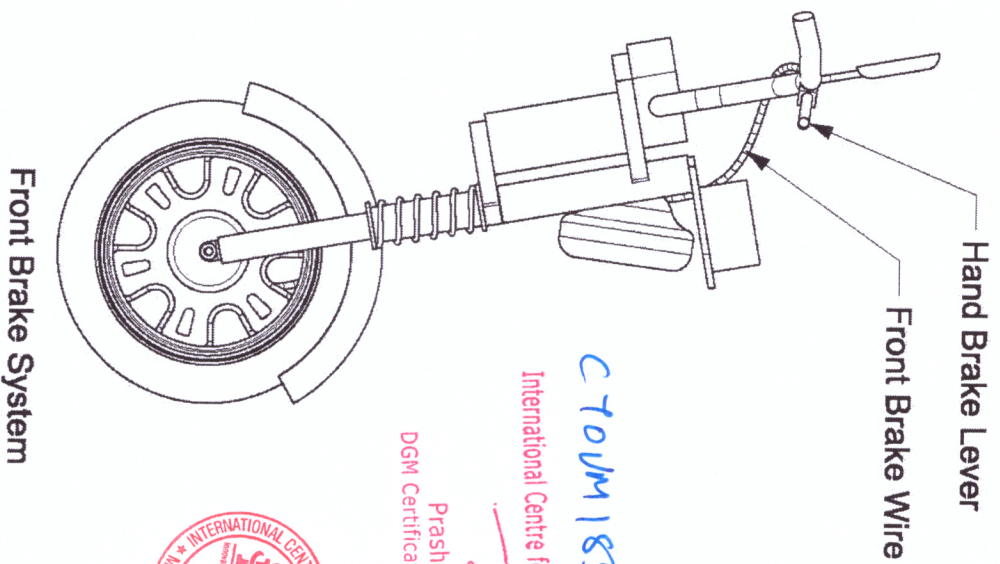
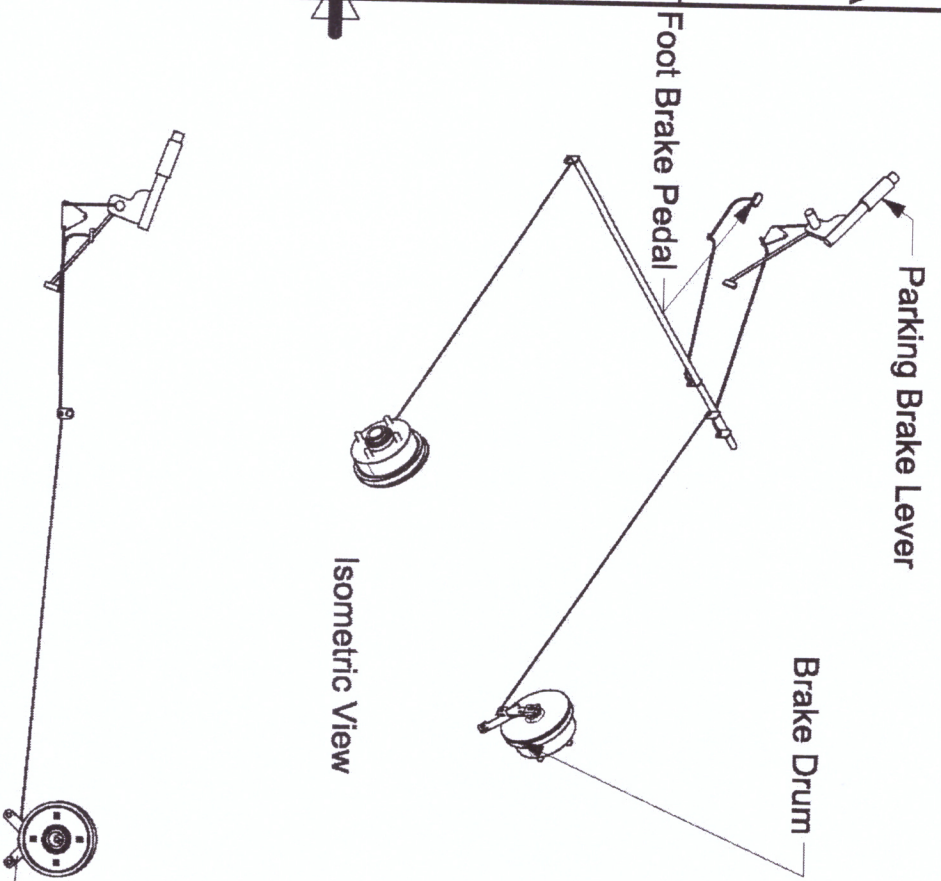
Seal: **Godavari Techno Solution Pvt Ltd.**
 Brake Layout

Date:
 Model Name: **G-ONE**
 Drawing No. **G1SP402**
 Note: All Dimensions are in mm



A Kumar

Krish



Side View

Isometric View

Front Brake System

CT01M1838 dtd. 07.11.17

International Centre for Automotive Technology

Prashant Vijay
DGM Certification Business Unit



(Handwritten signature)

Seal:

Godawari Techno Solution Pvt Ltd.

Date :

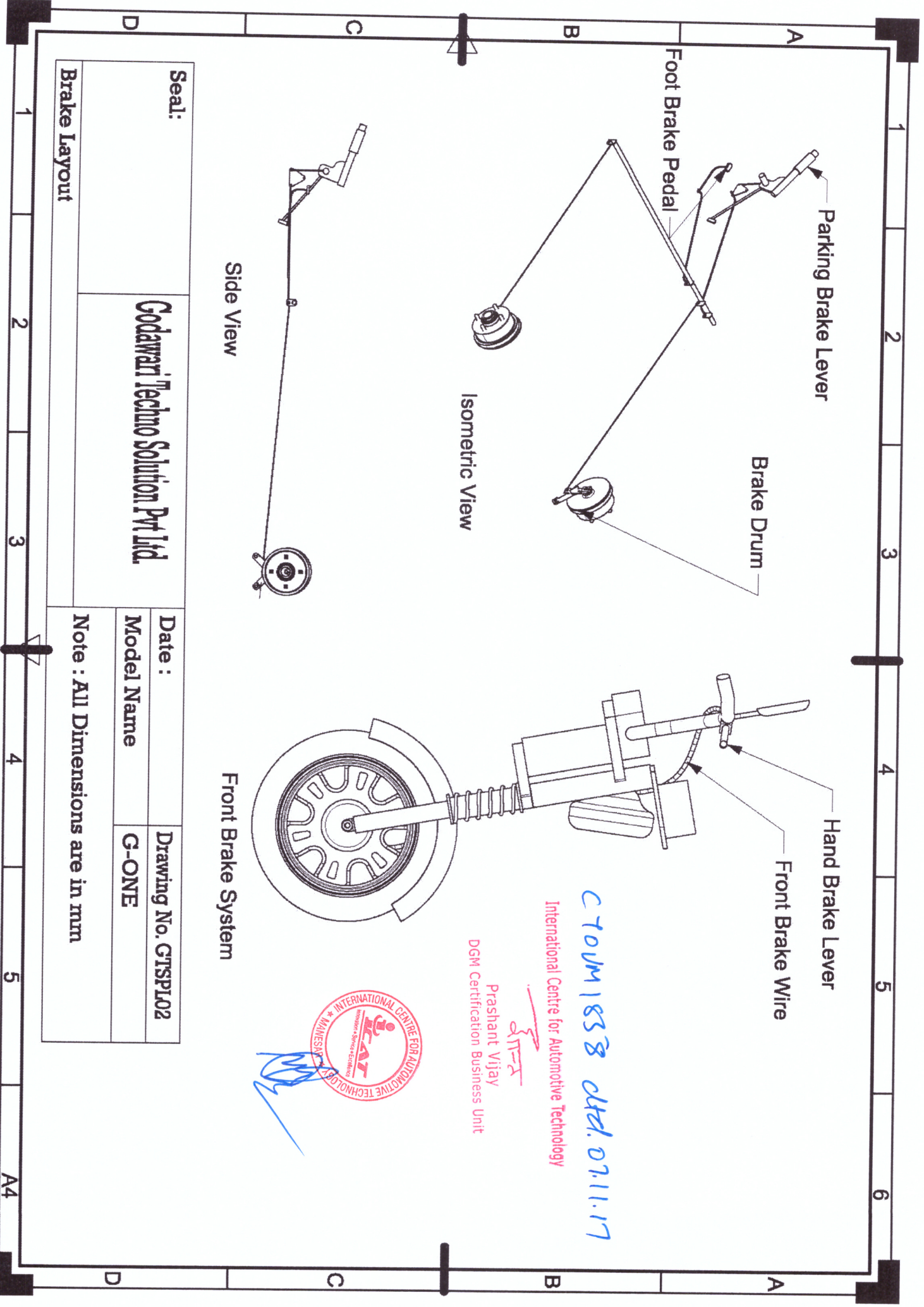
Drawing No. GTSP102

Model Name

G-ONE

Brake Layout

Note : All Dimensions are in mm



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