	MATERIAL REGULATIONS	Std.No: Z-00-1696
		Revision: 001
		Date: 27-07-2026
Mahindra IMDS Operation Manual		



Mahindra IMDS Operational Manual

Level 001	
Effective date	October 1, 2024
Date of Correction	July 15, 2026

Forward any opinion or question on this standard to the section in charge
(COE - Material Technology - ELV and Sustainability, ADPD
Mahindra Research Valley)

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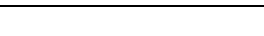
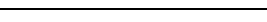
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1. OBJECTIVE:

This document provides the Standard Operating Procedure (SOP) for collecting material data from internal and external suppliers of Mahindra & Mahindra Ltd through the International Material Data System (IMDS). Material disclosure through IMDS is mandatory for ELV - HMR, and RRR calculations under Directive 2005/64/EC for meeting global compliance and sustainability requirements related to M&M vehicles.

2. REQUIREMENT:

- 2.1. Suppliers (both External and Internal) must provide complete material data covering the full product structure down to the last child part. The IMDS submission shall include accurate weight, material, and substance details for all components, including surface treatments and manufacturing-related materials such as coatings, plating's, welds, adhesives, sealants, paints, and other processes used in the production of the saleable parts per the procedure laid down in manual below.
- 2.2. **Suppliers shall submit IMDS data only to Mahindra & Mahindra IMDS Organization ID: 272197.**

3. SCOPE:

The requirement applies to all materials, parts, components, and vehicle subsystems, Carryover provided to or manufactured by M&M Ltd, its subsidiaries, suppliers, and sub-suppliers for production, pre-production (for pre compliance check of material approval), prototype (To comply with recyclability/recoverability requirements) to meet Motor vehicles Regulatory Requirements with regard to their Reusability, Recyclability and Recoverability as per UNECE R133/ Regulation (EU) 2005/64/EC, End of Life Vehicle Directive 2000/53/EC.

4. REFERENCES

4.1. External Standards

Sr No	Standard Number	Description
1	2000/53/EC	ELV Directive
2	2005/64/EC	Type-approval rules for motor vehicles regarding their reusability, recyclability, and recoverability
3	UNECE R133	UK - Uniform provisions concerning the approval of motor vehicles with regard to their reusability, recyclability and recoverability
4	GADSL	Global Automotive Declarable Substance List as per www.gadsl.org

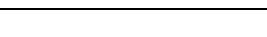
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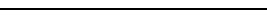
5	(EC) No 1907/2006	Regulation of the European Parliament and of the Council of 18 December 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Candidate list (SVHC), Annexure 14 and Annexure 17
6	AIS-129 Draft	India ELV regulation AIS 129 Amd_2

4.2. M&M Standards

Sr No	Standard Number	Description
1	F-00-1474	Comprehensive Mandatory Material Compliance Requirements for M&M
2	Z-00-1695	Guidelines for Drawing Quality Acceptance Criteria to Meet Material Compliance Requirements in IMDS
3	F-00-1370	Weight Tolerance Limits for M&M Parts to Meet ELV Requirements

5. TERMINOLOGY - Acronyms, Abbreviations & Symbols

Sr No	Abbreviations	Description
1	ELV	End – of – Life Vehicle
2	RRR	Reusability, Recyclability and Recoverability
3	IMDS	International Material Data System
4	REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
5	GADSL	Global Automotive Declarable Substance List
6	SVHC	Substances of Very High Concern
7	MPDS	Mahindra Product Development System
8	MRV	Mahindra Research Valley
9	COE	Centre of Excellence
10	SCIP	Substances of Concern in Products Database
11	POP's	Persistent Organic Pollutants
12	BPR	Biocidal Products Regulation
13	PFAS	Per- and Polyfluoroalkyl Substances
14	PCF	Product Carbon Footprint

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6. OWNERSHIP

For any clarification on this standard, refer to COE Material Technology – IMDS team, MRV – Chennai. This standard shall not be modified without prior consultation with the Knowledge Management Department, MRV – Chennai.

7. General and Mahindra IMDS requirements

7.1. Introduction:

Mahindra & Mahindra Limited (M&M) has adopted IMDS as a tool to manage Substance of Concern and to verify the conformity to various regulatory requirements. The IMDS system collects, maintains, analyses and archives all materials data used in the production of cars. By using the IMDS, it is possible to meet various national and international standards, laws and regulations imposed on automotive manufacturers and their suppliers.

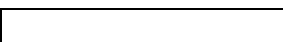
M&M requires its suppliers to submit a Material Data Sheet (MDS) through the International Material Data System (IMDS) to provide complete and accurate information on weight, materials, and substances to: -

- Comply with all substance-related prohibition, declaration, and reporting obligations established under regulations including GADSL, REACH, BPR, SVHC/SCIP, POPs, PFAS, California Proposition 65, etc.
- Ensure adherence to global chemical and environmental regulations, including the European End-of-Life Vehicle Directive (2000/53/EC) and corresponding requirements in other regions such as Reusability, Recyclability and Recoverability as per UNECE R133/ Regulation (EU) 2005/64/EC, End of Life Vehicle Directive 2000/53/EC, India (AIS 129) draft.
- Meet internal M&M standards [F-00-1474] related to Material legality and regulatory compliance.

7.2. International Material Data System (IMDS)

The IMDS (International Material Data System) is the automobile industry's material data system.

In the IMDS, all materials present in finished automobile manufacturing are collected, maintained, analysed and archived. IMDS facilitates meeting the obligations placed on automobile manufacturers, and thus on their suppliers, by national and international standards, laws and regulations.

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7.2.1. Access to Mdsystem

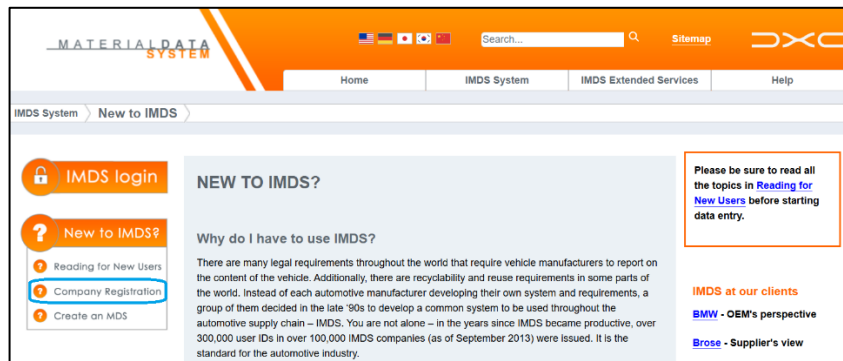
In general, the usage of IMDS (www.mdsystem.com) is free of cost for suppliers. If your company is already registered in the IMDS system, you may begin creating and submitting MDS reports on IMDS system by using User ID created by Company Administrator.

Online IMDS registration is available at the IMDS website (www.mdsystem.com) Open page: www.mdsystem.com

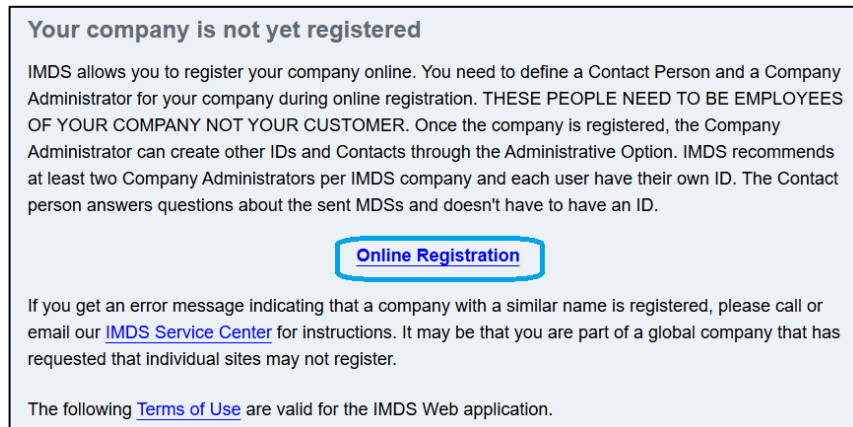
Click on: **New at IMDS?**



Click on: **Company Registration**

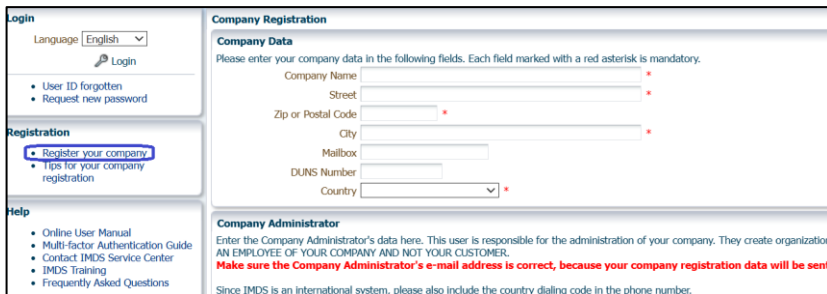


Click on: **Online Registration**



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Click on: **Register your company, Update the details and submit.**



Please follow the guidance document for company registration.

7.2.2. IMDS Creation Process

For the step-by-step procedure for creating a material in the IMDS system, please refer below link

http://public.mdsystem.com/documents/10906/17094/IMDS+Create+MDS+tips_Material.pdf/11ee4395-31de-4b44-ae30-6e3b34d2e98d

For the step-by-step procedure for creating a material in the IMDS system, please refer below link

http://public.mdsystem.com/documents/10906/17094/IMDS+Create+MDS+tips_Component.pdf/426cf575-8398-474e-9c62-8f39d7db9b32

7.2.3. Requirements for IMDS Submission:

Please follow IMDS Recommendation 001 and IMDS User manual.

7.2.3.1 IMDS Recommendation 001~027

<https://www.mdsystem.com> → [Log in] → [Help] → [Recommendation]

IMDS 001 - General Structure

IMDS 001a - General Structure Annex I

IMDS 004 - Textiles

IMDS 005 - Leather

IMDS 007 - Steel Flat Products (Strip and Sheets), Metallic coated (hot-dipped or electrically)

IMDS 008 - Electroplated (electrolytically deposition) Fasteners

IMDS 011- Non-metallic Coating

IMDS012 - Automotive Sealers and Adhesive Products

IMDS 019 – E/E (Electric/Electronic) components

IMDS 023 – “Preliminary” MDS during the Prototype Phase

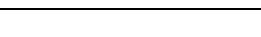
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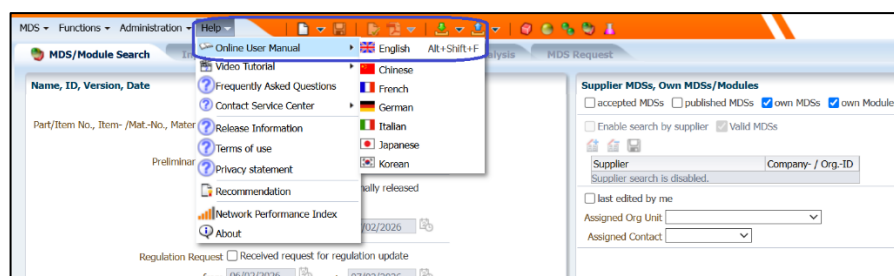
IMDS 025 – Evaluate the recycled and bio-based content of Materials

IMDS 026 – Regulatory Information

IMDS 027 – Product Carbon Footprint (PCF)

7.2.3.2 IMDS User Manual

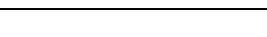
<https://www.mdsystem.com> → [Log in] → [Help] → [Online user manual]



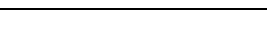
8 Mandatory checks for IMDS submission:

Please follow the mandatory requirements below for IMDS submission and approval are:

Mandatory check on the Ingredients Page			
S. No	Check point	Requirement	Remarks
1	Part Number as per M&M approved drawing	Mandatory	As per approved Mahindra Drawing
2	Part description as per M&M approved drawing	Optional	
3	Weight as per Actual part weight	Mandatory	The average weight shall be calculated based on five parts measured on a weighing scale as per Mahindra Standard F-00-1370
4	Recyclate Content	Mandatory	Ensure that the recyclate value is updated for all VDA 231 material classifications to reflect the actual recycled material content used in the final part/material, as required by M&M-specific requirements and IMDS Recommendation 025. Ensure that the Recyclate Content attribute is

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			answered as either 'Yes' or 'No'. 'Not Yet Answered' is not acceptable. This requirement is mandatory for materials weighing more than 5 g, while it remains optional for materials weighing 5 g or less
5	Polymeric Part marking	Mandatory	Material marking is mandatory in accordance with IMDS Recommendation 001 when: • The weight of plastic materials (Material Classifications 5.1.x, 5.4.x, and 5.5.x) exceeds 100 g; and/or • The total weight of elastomers/rubber materials (Material Classifications 5.2 and 5.3) exceeds 200 g
7	Classification	Mandatory	Material classification shall be selected as per the guidelines defined in IMDS Recommendation 001a and must correspond to the actual material type used in the component.
8	Norms and Standard	Mandatory	This requirement is mandatory for materials weighing more than 5 g. For materials weighing 5 g or less, providing this information is optional
9	Application Code	Mandatory	As per the EU- ELV Annex II. https://public.mdsystem.com/documents/d/imds-public-pages/elv_amendment_annex_ii_2023-pdf
10	Process Chemicals	Mandatory	The Chemical Presence Type field must be completed by selecting the appropriate option
11	Symbol	Mandatory / Optional	The Chemical Presence Type field is mandatory for materials weighing more than 5 g with VDA material classifications 5.1a, 5.1b, 5.2, and 5.3. For all other Material classifications or materials weighing 5g or less this entry is optional.
12	Standard Material Number (Std. Mat. – No.)	Optional	This entry is mandatory for materials weighing more than 5 g where a material number is defined in a public standard.

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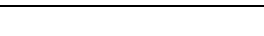
13	Tree Structure	Mandatory	As per IMDS Rec001 and Mahindra approved drawing.
15	Substance composition	Optional	Chemical composition entries shall not include ranges starting from '0.0'. The minimum actual concentration value must be specified (e.g., 0.01% rather than 0.0%)
16	Regulatory requirements adherence	Mandatory	All parts supplied to Mahindra and Mahindra Ltd must comply with ELV, REACH, GADSL, Mahindra & Mahindra standard F-00-1474 (latest Version) and regional regulations.
17	PCF (Product carbon footprint) data requirement	Optional	Provide the Product Carbon Footprint (PCF) value in the ingredients section, based on the actual production site(s) where the product is manufactured. Please refer to IMDS Recommendation 027 – Product Carbon Footprint for the reporting requirements

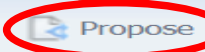
Mandatory check on the Supplier data Page

S. No	Check Points	Requirement	Remark
1	IMDS Contact person	Mandatory	Ensure that the Contact Person identified in the IMDS is the authorized IMDS In-charge responsible for Mahindra IMDS data submissions. Any changes in the designated contact person should be updated accordingly
2	PCF Contact person	Optional	

Mandatory check on the Recipient data

S. No	Check Points	Requirement	Remark
1	Recipient ID	Mandatory	Ensure that the IMDS data is submitted to Mahindra & Mahindra, IMDS Org ID [272197].
2	Part Name	Optional	As per Mahindra approved drawing
3	Part Number	Mandatory	As per Mahindra approved drawing
4	Supplier code	Mandatory	The supplier code provided in the IMDS submission must match the supplier code used for part dispatches to the Mahindra plant

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			Alphanumeric Characters, Example: XXX00XX										
5	Drawing number	Mandatory	As per Mahindra approved drawing										
6	Drawing date	Mandatory	Mention the ECN No. date instead of drawing date. Refer below table from approved drawing. <table><tr><td>ECN NO.</td><td>C/L</td><td>DGNR</td><td>ENGR</td><td>CAD</td><td>STD</td><td>APPD</td><td>DATE</td><td>ZONE</td><td>REV.</td></tr></table> eg - Date mentioned in ECN revision change box, right to ECN no. XX01-XX-0011, Date in format DD-MM-YYYY	ECN NO.	C/L	DGNR	ENGR	CAD	STD	APPD	DATE	ZONE	REV.
ECN NO.	C/L	DGNR	ENGR	CAD	STD	APPD	DATE	ZONE	REV.				
7	Drawing change level	Mandatory	Mention ECN NO. and C/L (revision level). Refer below table from approved drawing. <table><tr><td>ECN NO.</td><td>C/L</td><td>DGNR</td><td>ENGR</td><td>CAD</td><td>STD</td><td>APPD</td><td>DATE</td><td>ZONE</td><td>REV.</td></tr></table> eg - Drawing Change level: XX01-XX-0011, A. ECN NO: XX01-XX-0011 C/L: A	ECN NO.	C/L	DGNR	ENGR	CAD	STD	APPD	DATE	ZONE	REV.
ECN NO.	C/L	DGNR	ENGR	CAD	STD	APPD	DATE	ZONE	REV.				
8	Propose	Mandatory	Supplier must use the “propose” function instead of the “send” function to submit IMDS data to Mahindra and Mahindra [272197] Name Component_1410776475 ID version  Send 										

9. Mahindra IMDS team contact:

For any questions regarding IMDS/MDS submissions for a specific project, please contact the IMDS Team.

Level 1: Hiranyamurthy.Renuka@mahindra.com

Level 2: Kaushal.Ishant@mahindra.com

10. REVISION HISTORY:

REV NO	DATE	REVISION DETAILS	CREATED BY	REMARKS
001	27-07-2026	Mahindra IMDS requirements defined for external and internal stakeholders	Ishant Kaushal	-