

**SCRAP RECYCLING
CONFERENCE**
— Emerging Markets —

SteelMint[®]
Events



AUTO RECYCLING IN INDIA

A High Potential Opportunity

NEW DELHI

[09-10 September 2016]

With increasing number of vehicles on Indian roads, proper management, treatment and disposal of vehicles at their End-of-Life has become top priority. There's high emphasis to make scrapping of vehicles safer and environment-friendly. It is gaining pace after National Green Tribunal (NGT) ordered a ban on 10-year old diesel and 15-year old petrol cars in Delhi.

- Government of India is drafting a new scrapping or end-of-life policy that will provide incentives to the owner for surrendering an old polluting vehicle.
- The government's proposed policy may push over 28 million vehicles off the road.
- About 8-9 million vehicles are initially expected to come for recycling, which may double by 2020.
- An average car has 65-70% Steel scrap, 7-8% Aluminum scrap, 1.5 % Copper and 15-20% Rubber and Plastics.
- India imports about 5-6 million tonnes of steel scrap, 0.8 million tonnes of Aluminium scrap and 0.2 million tonnes of copper scrap.
- India to be world's 3rd largest car market by 2020.



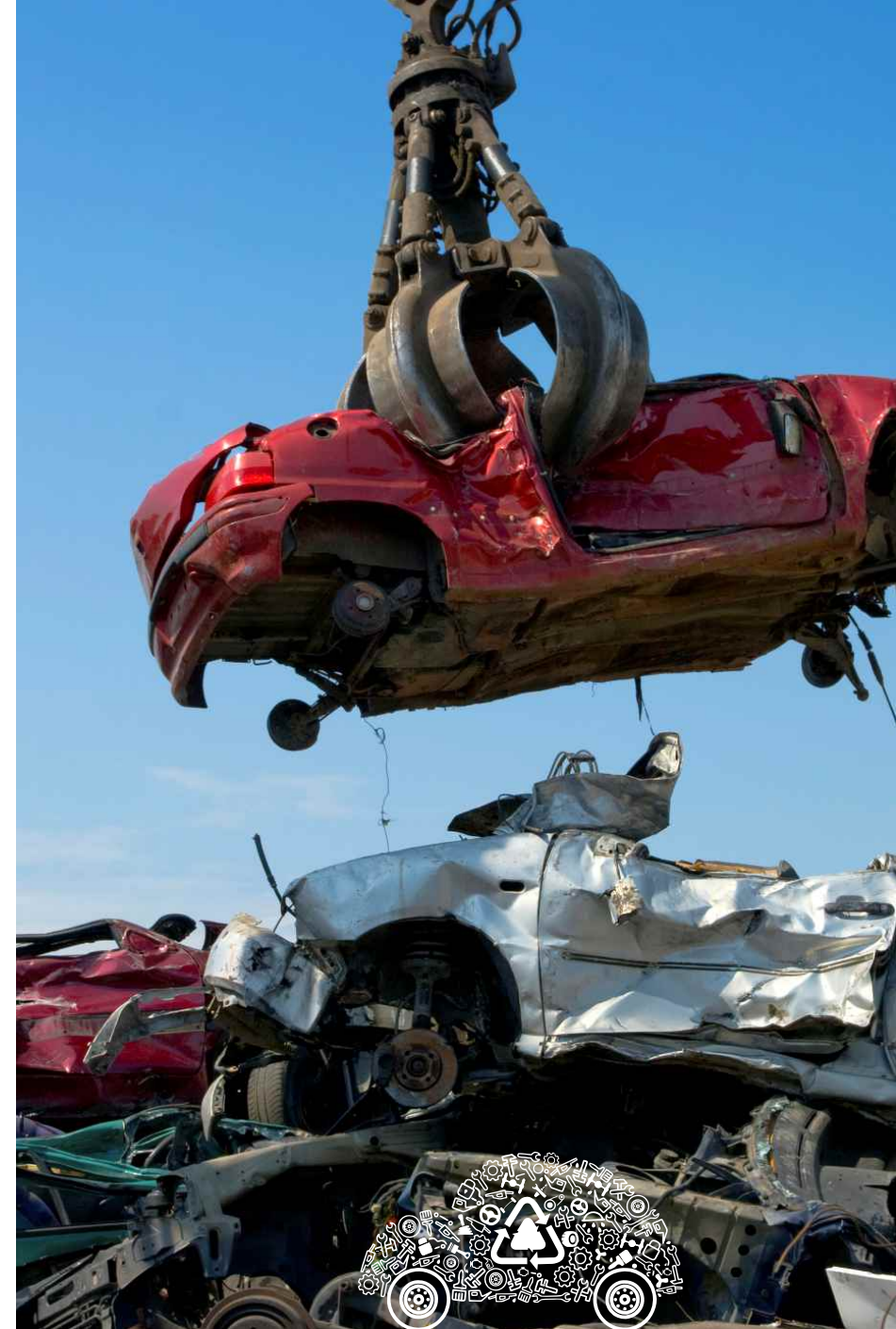
A Multi-Billion Dollar Business

Recycling vehicle will not only help conserve environment, but also open avenues for scrap recycling in India. Experts claim it could be an industry worth billions of dollars.

- An average car weighs 1400 to 1600 kgs, which generates about 950 kgs of Steel Scrap, 105 kgs of Aluminium Scrap, 20 kgs of Copper Scrap and 200-250 kgs of Plastics and Rubber scrap.
- At current scrap prices, a passenger vehicle can fetch around INR 25,000-30,000 (USD 380-450).
- Assuming 3 million cars come for recycling; this can generate total business of 1.2 billion dollar.
- Mahindra Intertrade has signed an MoU with government owned MSTC to set up India's first auto shredding unit

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Auto Recycling in Developed Nations

The global rate of ELV generation is increasing and there is a need to ensure that these ELVs become resources for future automobile manufacturing.

Over 30 million vehicles are recycled every year.

United States: The famous \$3 billion US federal 'cash for clunkers' scheme succeeded in improving fuel efficiency by 58% in the country.

United Kingdom: The UK introduced a scrappage incentive scheme in the 2009 budget whereby scrapping a car more than 10 years old allowed for a £2,000 cash incentive with the money being shared equally between the government and the auto industry.

Japan: Japan introduced a program for 1 year from 1st April 2009 onwards, offering up to 250,000 yen (USD 2,500) to trade in vehicles 13 years old or more for new environmentally friendly cars.

Germany: The largest scrappage scheme ever, Germany paid a premium of €2,500 (USD 3,320) to every owner of a car older than nine years when buying a new car.

China: China substituted an estimated 2.7 million high polluters from the national car fleet by offering rebates of \$450 to \$900 from June 2009 to May 2010.

Malaysia: Launched in 2009, a scrappage scheme paying at least 10 years old vehicle owners MR 5,000 (\$1,354). The incentive was shared equally by the government and auto makers.

Region	No of Vehicles Recycled	Policy Since	Steel Scrap Generation in 2015 (MnT)
EU	9 million	2000	102
US	12-15 million		66
Japan	5-6 million	2005	41
China	5-6 million	2008	81
India	3-4 million*	Yet to come	13

* Potential

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A large, chaotic pile of crushed and dismantled cars, primarily in shades of red, blue, and grey, filling the frame. The cars are heavily mangled, with metal bodies twisted and crushed. The background is a dark, overcast sky. The text is overlaid in the center of the image.

Can India be the **Next US, Europe,**
China in Auto Recycling?

About the EVENT

On the back of an increasing need to contain pollution from old decaying vehicles in India, the Ministry of Road Transport & Highways is proposing a voluntary vehicle modernization policy which will incentivize owners for surrendering their decade-old vehicles.

The proposed policy may immediately push over 28 million vehicles off the roads. And this could generate steel scrap worth Rs 320 billion. Experts estimate it will also boost automobile industry turnover by over 4 times to Rs 20,000 billion.

As India's first scrap recycling conference, it is an opportunity to find out more about the end of life vehicle policy and the change this could bring in how and how much steel is produced & consumed in the country. It will include discussions on ferrous & non-ferrous scrap and its application in a thriving automobile industry.

Know more ABOUT

- 👉 Indian government's policy on Vehicle Recycling
- 👉 Market potential for Vehicle Recycling in India
- 👉 Commercial viability of the project in India
- 👉 Vehicle Recycling in developed nations Vs India
- 👉 Technologies for Vehicle Recycling
- 👉 Waste Management
- 👉 MSTC's role in Auto Shredding in India
- 👉 Impact of Recycling on Indian steel and sponge iron industry
- 👉 Avenues for non ferrous scrap recycling in India



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SCHEDULE

Day I

Friday, 09 September 2016

🕒 18:30 hrs
Registrations Open 


🕒 19:00 hrs
Exhibitions Open 

🕒 20:00 hrs
Cultural Program 

🕒 20:30 hrs
Cocktail & Networking Dinner 

Day II

Saturday, 10 September 2016

🕒 9:00 hrs
Registrations Open 

🕒 10:00 to 11:30 hrs

Session I: Vehicle Recycling in India: Need of the Hour

- ➔ Auto Recycling Need of the Hour
- ➔ Why Auto Shredding?
- ➔ Auto Recycling in India - The Plan & Policies
- ➔ Make in India - Will India achieve 300 mnt Steel Capacity Target? How?

Presentations to be followed by Panel Discussion

🕒 11:30 to 12:00 hrs

Networking Tea Break 

🕒 12:00 to 13:30 hrs

Session II: Auto Recycling: India Plan, Policies & Potential

- ➔ Business Potential of Auto Recycling in India? (Ferrous & Non ferrous)
- ➔ Vehicle Recycling in India - Challenges & Opportunities
- ➔ Role of MSTC in setting up Collection Centres, Shredding Units
- ➔ Auto Shredding Market Size - India & World
- ➔ Government Policies on BS Norms, ELVs, VVMP

Presentations to be followed by Panel Discussion

🕒 13:30 to 14:30 hrs
Networking Lunch Break 

🕒 14:30 to 16:00 hrs

Session III: Auto Shredding Around the World & Recycling Technologies

- ➔ Will India become US or Europe in the next 5 years?
- ➔ Vehicle Recycling in Developed Nations
- ➔ Technologies for Vehicle Recycling
- ➔ Bangladesh to increase Scrap Consumption


Presentations to be followed by Panel Discussion

🕒 16:00 to 17:00 hrs

Session IV: Panel Discussion

- ➔ How will Vehicle Shredding increase Steel demand in India?
- ➔ Will Bulk imports of Scrap to India continue?
- ➔ Will China become a Net Exporter of Scrap?
- ➔ What will be the impact of increased Scrap supply on Sponge industry?

Presentations to be followed by Panel Discussion

🕒 17:00 hrs
Vote of Thanks ★★★★★
Networking Tea 



S P E A K E R S



SK TRIPATHI
Ex-CMD, MSTC

SK Tripathi is the Ex-CMD of MSTC Limited, who has been instrumental in pushing Auto Shredding in India. Under his leadership, MSTC signed a MoU to establish India's first auto shredding unit in Gujarat. Along with MRAI, MSTC under Ministry of Steel has also initiated to frame a Metal Recycling Policy for India.



SANJAY MEHTA
President, MRAI

Sanjay Mehta is the present President of Metal Recycling Association of India (MRAI), the national association representing India's ferrous and non-ferrous metals recycling industry. He has been strongly pushing for 'Industry Status' to Recycling Industry in India and is also assisting Ministry of Steel in framing a recycling policy.



ANUBHAV WADHWA
CEO & Founder, Tyrelessly

Anubhav Wadhwa is a 17-year old technology entrepreneur and bottom of pyramid sustainable development activist. He is the Founder & CEO of Tyrelessly which provides an environmentally compliant End-of-Life Tyre collection and disposal service. At the age of 13, Anubhav was named one of the youngest CEOs in the country for his first entrepreneurial venture TechAPTO.



SUMON CHOWDHURY
Chairman, RRM Group,
Bangladesh

Sumon Chowdhury is the chairman of a leading steel manufacturing group in Bangladesh – Rani Rerolling Mill Group with interest also in real estate, hospitality, automobiles and other businesses. Bangladesh currently imports over 1.2 million tonnes scrap annually.



BB Singh
Chairman & MD, MSTC Limited



Vijay Arora
Vice President - Strategy,
Operations & Business Development
Mahindra Intertrade Limited



Alekh Tiwari
Director, KPMG
Management Consulting



Keegan Vas
Head of Sales & Marketing -
MENA, India & Turkey
Metso Recycling

& more to join

*Verbally Confirmed

Expected COMPANIES

Aadi Group | ACE EXIM | Ace Ship Recycling | ADANI GLOBAL
 ADVANCE HYDRAU TECH | AKG Exim | AKJAY INTERNATIONAL
 Al Ahmadi General Trading | AL QARYAN GROUP | Al Zarooni Al Khwaja
 ALQ EXPORTERS | Amtek Auto | ASCORP | Aseem Trading FZE
 Asiaglobe Trade Consortium | AWP METALS | Awp Metals
 BELCHINA GROUP | Belgian Scrap Terminal NV | BRAHMPUTRA METALLIKS
 Brightsun Marine | BUOYSAIL TR | Bureau Veritas | CARGILL | Cellpap India
 CMC ASIA | Colossus Trade Links | COTECNA INSPECTION | Duferco Asia
 EMR Group | GBR METALS | Gemini Corporation | GLENCORE | Global Metcorp
 GMS | Golden Kingdom Holdings | GOLDLINE WORLDWIDE | Guardian Steels
 Hanwa India | HUMBER INSPECTION INTERNATIONAL | Hyundai Corporation
 IMT RECYCLERS | Indicaa Group | ISPAT EXPORTS | Jaguar Steel & Coal
 Jain Hydraulics | JFE SHOJI TRADE | Kamachi Group | KRISHNAPATNAM PORT
 LEELA TRADE STEEL & COMMODITIES | Liberty House
 Macsteel International | MAERSK LINE INDIA | Mediterranean Shipping Co
 METCO MARKETING | Metso India | MG TRADE SERVICES | Mitsui & Co
 MJR Steels | MTC GROUP | Nathani Industrial Services | NAVNEETA STEELS
 OM SYNERGIES | One Steel Recycling | PRIME VISTA
 Pan Gulf International General Trading | R SINGH & ASSOCIATES
 RKG INTERNATIONAL | Sackers Recycling | SCHNITZER RECYCLING
 Scholz Holdings | SICON | SIMS Metal Management
 SOJITZ CORPORATION | SVP International | SWISS SINGAPORE OVERSEAS
 Tata International | TOYOTA TSUSHO | TSR Recycling | UIL COMMODITIES
 VILMEKS | Vital Solutions | WALFORD INTERNATIONAL GENERAL TRADING
 Wall Fort Qatar | WARD RECYCLING | Zeus Overseas

& many others

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Who should ATTEND



Shredders



Scrap
Suppliers



Steelmakers



Automobile
Makers



Shredding Tech. &
Equipment Suppliers



Scrap Baling
Presses Suppliers



Waste Management
Companies



Collection &
Transportation
Companies



Importers
& Exporters



Indenters



Ship
Breakers



Engineering
Companies



Investors &
Financiers



Consultants



SteelMint Events **TIMELINE**

Steel Challenges & Changes

Raipur, Chhattisgarh



JAN
2014

JUN
2014

Indian Ferrous Scrap & Mill Scale Trade Meet

Chennai, Tamil Nadu



NOV
2014

APR
2015

2nd Indian Iron Ore & Pellet Summit

Kolkata, West Bengal



AUG
2015

DEC
2015

International Exhibition & Trade Fair on Steel Mining Power & Coal

Raipur, Kolkata



MAY-JUN
2016

SEP
2016



Indian Pellet & DRI Summit

Kolkata, West Bengal



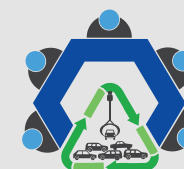
International Ferro Alloys Trade Meet

New Delhi



Steel & Raw Material Conference - Emerging Markets

Chittagong, Bangladesh



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GROUP

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Steeling is Basic

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MAJOR PARTICIPANTS in Past Events

Scrap Suppliers



BUOY GROUP

Cargill

Duferco
Forging New Frontiers



Recyclers



Shipping



Technology & Inspection



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