

Country Report on India



AEDE (Asia Eco Design Electronics) Project

Status of Sustainable Trade and Green Electronics

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AEDE Conference, ELCINA, India

Basic challenges faced



- India becoming a major dumping ground for global e-waste
- Immediate compliance needs to remain in the global supply chain
- Erosion of competitive edge
- Loss of export and domestic market
- Adverse social and economic impact on health, employment, growth
- Reactive stakeholders - government, industry, citizen and value chain agents
- EMS compliance issues becoming more and more complex with swift changes



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Review of global marketplace

- Initial trigger had been legislations rather than best practices
- Japan took the lead in implementation aided by pragmatic legislations.
- EU sets guidelines for global legislations
- Asia hopes to catch up fast with Thailand & China taking rapid strides
- US being a laggard is now on the move
- Concern spreading over rest of the world particularly developing nations
- SMEs everywhere are worst hit and been the focus of special government programmes and innovative schemes
- EMS programmes are catalysed by strong ecosystem and leading companies in the industry

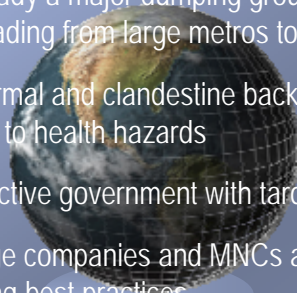


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India - snapshot & appraisal

- Unprecedented market expansion with burgeoning demand-supply gap
- Already a major dumping ground for e-waste with waste mountains spreading from large metros to B class cities
- Informal and clandestine backyard recycling aggravates the problem and adds to health hazards
- Reactive government with tardy implementation programmes
- Large companies and MNCs are close to achieving all EMS compliances and setting best practices
- Some best practice benchmarks and high quality professionals available
- Despite the weak ecosystem, competencies for training, technical support, eco design, etc. can pave the way to achieving quicker EMS compliances



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What drives EMS in India?



- Buyer/customer pressure
- Integration with global supply chain
- Competitive pressure
- International legislations
- Infrastructure support and training
- Volume of production to achieve economies of scale
- Improve stakeholder perception
- Policy of Indian government

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Hurdles to EMS implementation



survey based with focus on SME

- Complex and multiple compliance norms
- Investment needs and viability issues
- Absence of wide spread training facilities, technical know how and process technology
- Lack of infrastructure and a robust ecosystem
- Low production volumes
- Lack of professional managers practicing global standards

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Mapping the gaps

- Mapping gaps in best practices
- SME concerns and gap areas
- Perilous state of e-waste management - major gap for India
- Technology gap
- Management and implementation gap
- Nonchalant attitude of key stake holders

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Capacity building measures & action plans (General)

- Set well defined short, medium and long term goals for all stakeholders and developing a strong spirit of cooperation
- Building a robust ecosystem to catalyse nationwide EMS compliance measures practices across all segments
- Lessons from the Japanese, Taiwanese, Thai and Chinese approaches
- Benchmark best global practices
- Better coordination amongst players in the supply chain
- Information tracking system for legislations and compliances
- Special SME oriented programmes/schemes and time bound fiscal incentives

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Capacity building measures & action plans (Specific)

Govt.

- Setting e-waste management goals and time bound implementation
- Leading role in global initiative in EMS compliance measures and practices
- Govt initiative in building robust ecosystem, involving stake holders, coordination (inter and intra - ie., MC&IT, MoEF)

Industry

- Compliance tracking system
- Settling industry standards and benchmark best practices
- Involving professionals to work with companies particularly SMEs in spreading best practices and high impact training programmes and workshops

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Capacity building measures & action plans

Academia, R&D and specialised institutes

- Collaborative projects with the industry
- Eco design for major IT and electronic products
- Develop innovative clean technologies

**All stake holders should join hands to usher in a cultural change
- the CNG story of Delhi**

THANKS FOR THE ATTENTION

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