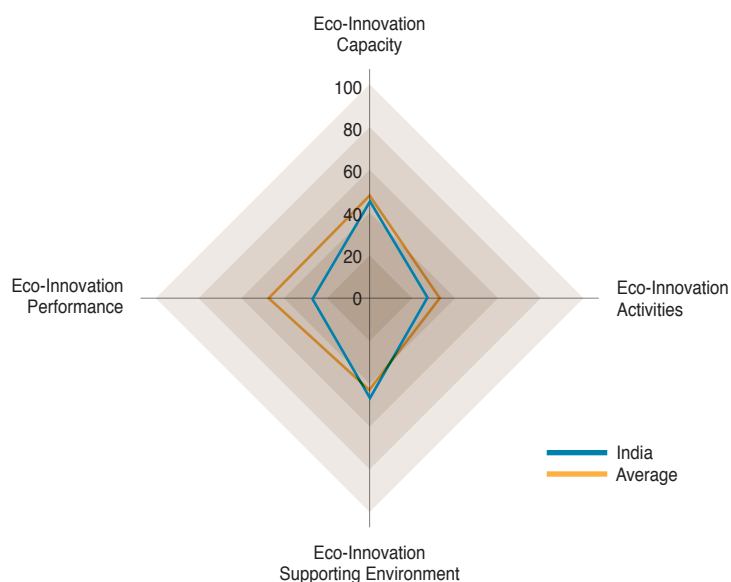


Chapter 6

Country Level Analysis

India



	India	Average
Capacity	44	49
Supporting Environment	47	42
Activities	29	35
Performance	27	46

Fig 24. ASEI Result: India

India's Eco-Innovation Quantitative Analysis

According to the ASEI 2013, India falls below the average national score (India: 37/100, Average: 43/100) when compared to other twenty four ASEM member countries evaluated by the ASEI.

- “Eco-Innovation Capacity” criteria score is lower than the average line: India obtained relatively low figures in Country's Economic Competitiveness and Awareness of Sustainability Management.
- “Eco-Innovation Supporting Environment” criteria score is just above average: Investment Scale towards Green Technology SMEs indicator far outweighs the average, but rather lower score in Implementation of Environmental Regulations indicator.
- “Eco-Innovation Activities” criteria score below average: Commercialization Level of Green Technology and Activeness of Renewable Energy Utilization indicators are above average, yet Firms' Participation on Environmental Management System shows lower figure.
- “Eco-Innovation Performance” criteria score is below average: Level of Environmental Impact on Society, Country's Energy Sustainability level and Water consumption intensity indicators show lower level than average scores.

India's Eco-Innovation Supporting Environment: Qualitative Research

	National Vision & Strategy	National Policy & Programmes	Network, Partnership & Organizations
Eco-Innovation	<ul style="list-style-type: none"> ■ National Solar Mission ■ National Energy Map for India: Technology Vision 2030 ■ Science, Technology and Innovation Policy 2013 	<ul style="list-style-type: none"> ■ Environmental Information System (ENVIS) ■ National biofuel policy (2008) ■ Strategic plan for new and renewable energy sector (2011-2017) ■ Performance Related Incentive Scheme 	<ul style="list-style-type: none"> ■ India Innovation Initiative (I3) ■ Water Treatment Plant (2008)
Sustainable Development	<ul style="list-style-type: none"> ■ National Action Plan for Climate Change(NAPCC) (2008) ■ National Green Tribunal Act (NGT) 	<ul style="list-style-type: none"> ■ An Environmental compliance program ■ National Environment Policy (2006) 	<ul style="list-style-type: none"> ■ The Grassroots innovation augmentation network ■ National Green Corps (NGC) (2001)
SMEs		<ul style="list-style-type: none"> ■ Techno-entrepreneurs promotion programme ■ Home grown technology programme 	<ul style="list-style-type: none"> ■ Technology Business Incubators(TBIs) ■ Public-Private Partnership

Table 19. India's Eco-innovation Supporting Environment Qualitative Research Table

Major Organizations of Eco-Innovation in India

- Bureau of Energy Efficiency
- National Innovation Council

Overall Comments for India

- The decoupling of economic growth and environment overload is a major issue for India.⁵⁰ Yet India's awareness level of eco-innovation is low.
- India has emphasized the "Innovation for Comprehensive Growth" as a solution to environmental and social challenges that the country current face. This slogan of the government aims to build a world-class R&D infrastructure and develop competitiveness of advanced technology firms through partnership between various stakeholders and establishment of appropriate investment structure. India selected ten most promising sectors including energy, water management, environment and climate change response sectors.
- To enhance the environmental management level of firms, India is transforming existing industrial complex into Eco-industrial Parks (EIP)⁵¹, and through this aims to generate clean production and resource efficiency to ultimately achieve sustainable growth.

50) World Bank, (2013), Diagnostic Assessment of Select Environmental Challenges in India

The report estimates the total cost of environmental degradation in India at about Rs. 3.75 trillion (US\$80 billion) annually, equivalent to 5.7 percent of GDP in 2009, which is the reference year for most of the damage estimates

51) Representative examples are GUJARAT, Naroda, etc