

## Caselet 1 – Strategic Management

Global Green House Gases (GHG) pose a significant threat to World Climate. Human energy needs are rising with population and mechanisation. The Intergovernmental panel on climate control (IPCC) produced a synthesis report AR5 in 2014 calling for concerted action by the member countries<sup>1</sup>. The International Energy Agency<sup>2</sup> (IEA) describes the energy sector as central to efforts to combat climate change. The use of Biogas is considered as a less polluting energy source and biogas produced from anaerobic digestion taps into the more crucial area of waste management. Mr David Newman, President of the World Biogas Association<sup>3</sup> calls “The anaerobic digestion and biogas industry is evolving rapidly and by coming together as an industry we can drive the change needed to make this market thrive. Our mission is clear: to raise the level of awareness about biogas technologies across the globe and encourage the uptake of these technologies as solutions to the challenges of our times.

Q1: what are the sources and by-products of biogas and its advantages & disadvantages over other fuels (assessment of the product/service strategically)

Q2: Evaluate the external environment of the energy sector in India and suggest potential entry points for large- and small-scale use of biogas as an energy source<sup>4</sup> (external environment assessment).

Q3. Evaluate Strategic Leadership portrayed by Mr David Newman as the president of WBA.

PS: footnote references demonstrate how international and National alignments in policy and governance occur in significant change management issues.

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<sup>1</sup> IPCC, 2014: Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp.

<sup>2</sup> [IEA – International Energy Agency](#)

<sup>3</sup> [World Biogas Association | Making biogas happen](#)

<sup>4</sup> [https://www.german-energy-solutions.de/GES/Redaktion/DE/PDF-Anlagen/Aktuelle\\_Meldungen/20200225-indian-biogas-association-biogas-market-india.pdf?\\_\\_blob=publicationFile&v=2](https://www.german-energy-solutions.de/GES/Redaktion/DE/PDF-Anlagen/Aktuelle_Meldungen/20200225-indian-biogas-association-biogas-market-india.pdf?__blob=publicationFile&v=2)

**Note: This caselet has been originally developed based upon extensive research pertaining global Green House Gases by Dr Sarangapani Nivarthi, Assistant Professor - Management for CMS Business School (Jain Deemed-to-be-University) and has not been published in any outlets.**

## Caselet 2 – Strategic Management

International Energy Agency (IEA) describes “The buildings and buildings construction sectors combined are responsible for over one-third of global final energy consumption and nearly 40% of total direct and indirect CO<sub>2</sub> emissions. Energy demand from buildings and buildings construction continues to rise, driven by improved access to energy in developing countries, greater ownership and use of energy-consuming devices, and rapid growth in global buildings floor area”<sup>5</sup>. Global Green Growth Institute in South Korea with its Indian Intended Nationally Determined contributions (INDC) produced a Growth and sustainability report in 2015<sup>6</sup> and Energy Conservation Building Code (ECBC) existed since 2007 as per one of the mandates of Bureau of Energy Efficiency under the Energy Conservation Act, 2001; which empowers the Central Government to define norms and standards of energy consumption. There are currently two certification processes for Green Buildings in India: GRIHA and LEED. In this pursuit of Growth and sustainability;

Q1: discuss energy efficiency solutions in the lifecycle of a building from planning, construction, operation/maintenance to deconstruction (external environment assessment)

Q2: Using either GRIHA or LEED, as the CEO of a major Building Company (Realtor), explore with your board members nationally, the best resource management options of your firm to achieve this strategic goal and implement a pilot in the garden city of Bangalore, working along with BBMP to deliver the Green Building initiative (assessment of Strategic alignment and firm’s resource management to achieve strategic goals).

Q3. Observe the Strategic Leadership aspects of Mr Rajendra Pachauri as the previous chairman of the Intergovernmental Panel on Climate Change (IPCC) who has co-authored the GGGI report attached in footnote reference.

PS: footnote references demonstrate how international and National alignments in policy and governance occur in significant change management issues. Seek references for ECBC, GRIHA and LEED.

**Note: This caselet has been originally developed based upon extensive research pertaining the use of Green Energy in Construction Sector by Dr Sarangapani Nivarthi, Assistant Professor - Management for CMS Business School (Jain Deemed-to-be-University) and has not been published in any outlets.**

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<sup>5</sup> [Buildings – Topics - IEA](#)

<sup>6</sup> [2015\\_Green-Growth-and-Sustainable-Development-in-India-Technical-Report.pdf \(gggi.org\)](#)