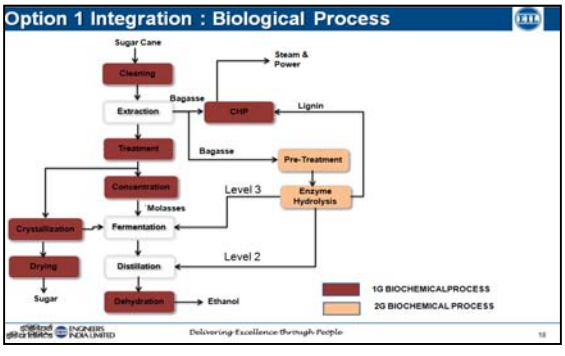
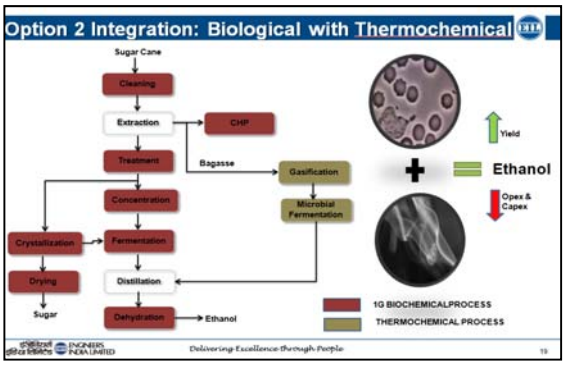
India BioFuel Industry- Challenges, Opportunities and Business Strategies

Amanpreet Singh Chopra, BE, MBA, Phd Candidate, India

Abstract

In this paper author studied the existing Government Targets of 5E/10E/20E fuel ethanol blending with gasoline and analysed the current and future demand and supply of fuel ethanol in India till 2020. This presents huge business opportunities for technology providers to participate in forthcoming projects in India. Author also studied the techno-economic feasibility of production of Fuel Ethanol through standalone 2nd Generation Technologies (lignocellulosic) and through sensitivity analysis concluded that with current capping on Fuel Ethanol Pricing @ INR 39/L, the Ethanol production through 2G technologies is economically not viable in the country. This is hampering the huge potential available for Fuel Ethanol in India. Author also analysed that the current (1G) technological set up in the country i.e production of Fuel ethanol through Sugarcane Molasses, India will still fall way short of its blending targets. This calls for scouting newer and economical viable technologies or innovative methodologies for ramping up ethanol production in the country. To bridge this ever increasing supply and demand gap and acieve certain degree of economic viability, author proposed the future strategies of process and 3rd level integration of 1G and 2G technologies along with sugarmill to achieve economy of scale for the forthcoming projects.





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Brief Biography



Amanpreet Singh Chopra is presently working as Executive Assistance to Chairman & Managing Director of Engineers India Limited and providing support on operations, strategy and business aspects. He is also part of Corporate Strategy & Business development Group at Engineers India Limited and heading a team of technical and commercial specialities in BioFuels and Alternate Energy. He is a Mechanical Engineer from Thapar University, Patiala (erstwhile Thapar Institute of Engineering & Technology) and completed his Master in Business Administration from IIM-Indore. He is currently pursuing his Doctoral degree in management from UPES. With more than 16 years of extensive experience across the hydrocarbon value chain, he has served all the major clients in the sector. He has travelled extensively in connection with professional and business activities and has presented many papers in various forums.