LED Light Assembling - Market Survey cum Detailed Techno Economic Feasibility Project Report

Description:

A light emitting diode (LED) isa device which converts electrical energy in to light. LEDs are preferred lightsources for short distance (local area) optical fiber network because they areinexpensive, robust and have long life (the long life of an LED is primarilydue to its being a cold device, i.e. its operating temperature being much lowerthan that of, say, an incandescent lamp), can be modulated (i.e. switched onand off) at high speeds.

A light-emitting diode (LED) isa two-lead semiconductor light source. It is a p–n junction diode, which emitslight when activated. When a suitable voltage is applied to the leads,electrons are able to recombine with electron holes within the device,releasing energy in the form of photons. This effect is calledelectroluminescence, and the color of the light (corresponding to the energy ofthe photon) is determined by the energy band gap of the semiconductor.

LEDs primarily offer advancesin efficiency, controllability, and life span. The key strength of LED lightingis reduced power consumption. LED’s are available with at the most Lumenefficiency of 110 Lm/Watt compared to 65-80 Lm/Watt of CFL and FTL, 45 Lm/Wattof Mercury vapour and 75 Lm/Watt of metal halide or 94 Lm/Watt of SodiumVapour.

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Keywords: LED, LED Light Assembling, Project, consultancy, services, entrepreneur, India, project profiles, Technologies, Opportunities, detailed, feasibility, process, Technology, feasibility study, reports, New Project, Identification, Project Feasibility, Market Study, Profitable, Industrial, Opportunities, Preparation, Pre-Investment, Pre-Feasibility Studies, Market Surveys, Studies, Techno-Economic, Reports, investment, raw material, requirements, manufacturing, process, infrastructure, formulati

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