

要点聚焦：促进清洁能源的能源使用 – 美印促进清洁能源合作伙伴关系的一项提案

新德里 2014 年 3 月 11 日

辛格总理在 2013 年 9 月访问美国期间,新能源和可再生能源部长阿卜杜拉·法鲁克博士和能源部长莫尼斯·欧内斯特博士同意一项美国和印度政府之间的谅解备忘录(MOU)从而推出了一项新举措,通过清洁能源促进能源获取(PEACE)——作为一个在美印伙伴关系促进清洁能源(PACE)的一个新轨道方向,与现有的研究(PACE-R)和部署(PACE-D)轨道

同肩并行。在 2014 年 3 月 11 日,美印在新德里进行了能源对话,莫尼斯部长和计划委员会副主席蒙特克·阿卢瓦利亚对推进这个项目到目前为止所取得的进展寄予了极高的评价。



目标

PEACE 旨在利用商业企业把清洁能源输入到服务水平低下缺医少药的印度村庄,吸取经验教训,并制定最佳开发实践。可靠和具有成本效益的离网的清洁能源解决方案可以显著提高农村家庭和社区的生活质量和经济条件。

注重的领域

1. 分享最佳实践和体制等方法
2. 金融
3. 技术创新, 标准, 检测和认证
4. 技能发展和信息共享

活动

在 2014 年 3 月举行的新技术和可再生能源美印能源对话工作组会议上, 政府落实了来年活动的最初计划。这些活动包括:

- **标兵基金:** 两国政府宣布他们将要创建一个新的“标兵基金”以用来支持清洁能源早期创新阶段的解决方案, 从而服务于服务水平低下缺医少药的印度人口。印度和美国已分别承诺出资约 25 亿卢比 (约合 4 百万美元) 来建立这个基金。此基金将提供资金支持以开发和测试新产品, 系统和商业模式。
- **离网联盟:** 两国政府拟设立一个企业, 非营利组织, 和政府的联盟以加强印度的离网经济体系, 将现有的努力纳入体系, 并吸引新的企业和商业开发者。这个离网联盟将在以下五个方面提供服务: 1. 融资渠道: 包括企业家和金融机构的联合, 以聚拢项目来降低投资风险。2. 技能和培训。3. 测试和认证技术。4. 政策对话和宣传。5. 网络和交流经验教训。
- **质量保证框架:** 政府将与利益相关者合作共同开发一个质量保证框架, 包括控制标准和性能衡量标准。介于安全性, 可靠性, 性价比和促进高质量产品推向市场等功能, 此框架能更好的为消费者服务。

- **智能微电网研究：**两国政府打算在—项研究上进行合作，此研究建议设计智能微电网试点测试和验证的商业模型，以在商业上扩大这能微电网。
- **股东研讨会：**政府已经同意在今年 6 月份召开两次研讨会以推进离网联盟和质量保证框架活动。

协调和后续行动：

美印能源对话期间，两国政府也宣布了他们的意愿去创建一个联合实施委员会，定期召开会议去监督和推进进度。MNRS 已经要求全国太阳能研究机构通过促进协调和跟进，以支持新能源和可再生能源部。PEACE 政策的实施将会在美印新技术和可再生能源工作组能源对话的监督下进行。

Fact Sheet: Promoting Energy Access through Clean Energy (PEACE) - an initiative of the U.S.-India Partnership to Advance Clean Energy

New Delhi | March 11, 2014

During Prime Minister Singh's September 2013 visit to the United States, Minister of New and Renewable Energy Dr. Farooq Abdullah and Secretary of Energy Dr. Ernest Moniz agreed to a Memorandum of Understanding (MOU) between the Governments of the Republic of India and

the United States of America to launch a new initiative -- Promoting Energy Access through Clean Energy (PEACE) -- as a new track under the U.S.-India Partnership to Advance Clean Energy (PACE), alongside the existing research (PACE-R) and deployment (PACE-D) tracks. At the March 11, 2014, U.S.-India Energy Dialogue in New Delhi, Secretary Moniz and Planning Commission Deputy Chairman Montek Ahluwalia welcomed the progress made thus far in advancing this initiative.



OBJECTIVES

PEACE aims to harness commercial enterprise to bring clean energy access to un-served and underserved Indian villages, capture lessons learned, and develop best practices. Reliable and cost-effective off-grid clean energy solutions can significantly improve the quality of life and economic conditions in rural households and communities.

FOCUS AREAS

5. Sharing best practices and institutional and other approaches
6. Finance
7. Technology innovation, standards, testing, and certification
8. Skill development and information sharing

ACTIVITIES

At the March 2014 meeting of the New Technology and Renewable Energy (NTRE) Working Group of the U.S.-India Energy Dialogue, the Governments finalized an initial Plan of Activities for the coming year. These activities include:

- **PACEsetter fund:** Both Governments announced their intent to create a new "PACEsetter fund" to support the development of early-stage, innovative clean energy solutions for un-served and underserved populations in India. Both India and the United States have each committed to contribute approximately 25 crore rupees (\$4 million) to establish this Fund that will provide grant funding to develop and test innovative products, systems and business models.



- **Off-Grid Alliance:** The Governments intend to establish an alliance of businesses, not-for-profit organizations, and government to strengthen India's off-grid ecosystem, bring existing efforts to scale, and attract new businesses and commercial enterprises. This Off-Grid Alliance will deliver services in five areas: (a) access to finance, including by linking entrepreneurs to financial institutions and aggregating projects to reduce investment risks; (b) skills and training; (c) testing and certification of technology; (d) policy dialogue and advocacy; and (e) networking and exchange of lessons learned.
- **Quality Assurance Framework:** The Governments will work with stakeholders to develop a quality assurance framework, including control standards and performance benchmarks, that can serve consumers better in terms of safety, reliability, performance and cost comparison, and facilitate the delivery of high quality products to the market.
- **Smart Micro-grid Study:** The Governments intend to cooperate on a study to recommend the design of a smart micro-grid pilot to test and validate a business model for scaling up smart micro-grids commercially.
- **Stakeholder Workshops:** The Governments have agreed to convene two workshops in June of this year to advance the Off-Grid Alliance and the Quality Assurance Framework activities.

COORDINATION AND FOLLOW-UP

During the Energy Dialogue, the governments also announced their intent to create a joint implementation committee that will convene on a regular basis to monitor and advance progress. MNRE has requested the National Institute for Solar Energy to support the Ministry of New and Renewable Energy by facilitating coordination and follow-up. The implementation of PEACE will be under the New Technology and Renewable Energy (NTRE) Working Group of the U.S.-India Energy Dialogue.