

附件 2:

合同编号: 09G02-1018

合同名称: 节能灯生产企业实验室能力建设和产品质量自我监管能力建设

合同期限: 18 个月

合同预算: 不高于 120,000 美元

合同目标:

- 帮助 2-3 家节能灯生产企业建立国家认可实验室，并对实验室人员进行检测技术培训和质量控制培训，提高其产品质量自我监管能力。

资质要求:

- 熟悉照明检测实验室体系，具有 ISO/IEC 17025 资质，有至少 2 名照明专业检测国家认可实验室评审员；
- 熟悉实验室建设流程及国家认可实验室申请程序，具有帮助至少 3 家照明企业成功建立国家认可实验室的经验；
- 具有照明行业背景，拥有高质量的技术专家团队，熟悉掌握高效照明产品检测设备、检测技术和检测方法。

主要任务:

1. 帮助节能灯生产企业建立国家认可实验室：
 - 调研我国节能灯生产企业实验室的技术水平等基本情况，提出具有建立国家认可实验室能力和意愿的企业短名单；
 - 从短名单中确定 2-3 家拟建立国家认可实验室的企业，并针对每家企业制定可实施的国家认可实验室建设及设备采购方案；
 - 协助 2-3 家企业实验室建设满足国家实验室认可要求的实验室设施环境，并帮助完成相应设备的采购；
 - 帮助 2-3 家企业实验室建立符合 ISO/IEC 17025 的实验室管理体系，并对管理人员开展管理体系培训，对检测技术人员开展检测技术培训和考核，使之满足国家认可实验室的要求；
 - 帮助 2-3 家企业向国家有关实验室认可主管部门申请认可。
2. 企业产品质量自我监管能力建设：
 - 分析评估节能灯生产企业产品质量控制能力现状；
 - 选择 2-3 家不同规模、不同质量水平的企业制定可行的提高产品质量和自控能力的实施方案；
 - 结合定期的国家质量监督抽查，召开 1-2 次质量分析会议，对主要的质量问题进行分析，提出整改建议和技术指导。
3. 按要求提供项目实施计划书、项目任务分解表、时间进度表、预算分解表、自我监测计划，以及中英文的项目季度报告、年度报告、中（终）期报告；
4. 完成国家实施机构交办的其他相关活动。

主要成果:

- 项目第一季度，完成节能灯生产企业实验室技术水平调研报告，并提供具有建立国家认可实验室能力和意愿的企业短名单；

- 项目第一季度，完成节能灯生产企业产品质量控制能力分析评估报告；
- 项目第二季度，提交 2-3 个国家认可实验室建设及设备采购方案，2-3 个提高企业产品质量控制能力实施方案；
- 项目中期，提交项目中期报告，包括企业实验室建设实施情况、提高企业产品质量自控能力实施情况、企业实验室管理体系培训和检测技术培训报告；
- 项目终期，提交项目终期报告，包括企业实验室建设实施情况、提高企业产品质量自控能力实施情况、质量分析会议相关报告，以及 2-3 家照明企业获得国家实验室认可的证明文件；
- 按要求提交项目执行自我监测报告、节能量测算报告、配套资金报告以及中英文的项目季度报告、年度报告。

Attachment 2

Subcontract No.: 09G02-1018

Subcontract Title: Improvement of ESL Manufactures' Product Quality Control and Management Capability & Construction of Lab's Testing Capability

Subcontract Duration: 18 months

Subcontract Budget: No more than US \$120,000

Objective:

- Help 2-3 ESLs manufactures to establish nationally accredited testing laboratories, and undertake trainings on testing capability and quality controlling, and thus improve the manufactures' quality self-monitoring capability of their own products.

Qualifications:

- Know well the laboratory quality management system and qualified with ISO/IEC 17025, and have at least 2 assessors of nationally accredited lighting laboratories;
- Familiar with the lighting laboratory establishment procedures and the national accreditation application procedures;
- Have experience of helping at least 3 manufactures establish nationally accredited laboratories;
- Have a better understanding of lighting industry, and at the same time the testing equipments, technologies and methods;
- Have highly qualified technical experts group.

Main tasks:

1. Help ESL manufactures to build nationally accredited laboratories

- Research the current status of ESL manufactures' laboratories and make a short name list of these who have the capability and willingness to establish nationally accredited laboratories;
- Basing on the short name list, define 2-3 manufactures and help them develop laboratory construction schemes and equipments procurement schemes;
- Assist the defined manufactures to build the laboratory environment as required and procure the equipments;
- Help the defined manufactures build the laboratory management system according to the requirements of ISO/IEC 17025, and undertake trainings on lab management system and testing capability, then make an assessment;
- Help the defined ESL manufactures submit the application of nationally accredited laboratories;

2. Improvement of ESL manufactures' product quality control and management capability

- Research and assess ESL manufactures' quality management and controlling capability;
 - Develop the feasible quality controlling and self-monitoring schemes for 2-3 ESL manufactures with different production scales and quality levels;
 - Hold 1-2 quality analysis workshops for manufactures based on findings/results of government quality supervision activities, figuring out the major quality problems and propose the rectification measures and technical guidance;
- 3.** Provide project implementation plan, project task breakdown sheet, schedule, budget breakdown table, self-monitoring plan, as well as project quarterly report, annual report, interim report and final report both in Chinese and in English;
- 4.** Assisting National Implementing Agency with the completion of other related activities.

Main Outputs

- By the 1st implementation quarter, complete the research report of the current status of ESL manufactures laboratories, and the short name list of these who have the capability and willingness to establish nationally accredited laboratories;
- By the 1st implementation quarter, complete the research and assessment report of ESL manufactures' quality management and controlling capability;
- By the 2nd implementation quarter, complete the nationally accredited laboratory construction schemes, as well as the equipments procurement schemes;
- By the 2nd implementation quarter, complete the product quality management and controlling schemes for the defined ESL manufactures;
- By the mid-term of the project, complete the interim report, including the laboratory construction progress, quality self-monitoring improvement, and training report on laboratory management system and testing capability improvement;
- By the final-term of the project, complete the final report, including the laboratory construction progress, quality self-monitoring improvement, and the quality analysis workshops records and documents;
- By the final-term of the project, provide the certificates verifying the national accreditation of the laboratories;
- The co-financing calculating report and energy conservation calculating report;
- Self-monitoring report of project implementation;
- Project quarterly report and annual report both in Chinese and in English.