| | |
|---|---|
| **Project Number:** | |
| **Project Title:** | Telecommunications and the Environment |
| **Abbreviated Name of the Project:** | Green Telecommunications |
| **Estimated Duration:** | 30 months |
| **Estimated Start Date:** | 06/01/2012 |
| **Estimated End Date:** | 12/31/2014 |
| **Regional Cooperation Agencies:** | COMTELCA, Comisión Centroamericana de Ambiente y Desarrollo (CCAD), SICA |
| **Implementing Agency:** | ITU Area Office Tegucigalpa |
| **Beneficiary Countries:** | Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica, Panama |
| **ITU Project Manager:** | ITU Area Office Tegucigalpa |

**SUMMARY OF CONTRIBUTIONS (US$)**

| Description | Cash US$ | Adm. in kind US$ |
|---|---|---|
| Staff Costs | 187,000.00 | 56,100.00 |
| **SubTotal:** | **187,000.00** | **56,100.00** |
| **Grand Total:** | | **$243,100.00** |

**Description:**

The project seeks to establish collaboration between those responsible for the telecommunications/ICT policy with environmental policy makers to develop measures to enable the harmonious coexistence of services of telecommunications with the environment in the Central American region.

It is intended that collaboration is geared to promote the exchange of information, experiences, adoption of best practices among others, as well as coordinate activities in areas of mutual interest including the development of green ICT standards, training, cooperation and the realization of activities, projects and additional programs.

| For the | Signature | Date | Name/Title |
|---|---|---|---|
| ITU: | _____ | ___/___/_____ | |
| Partner(s): | _____ | ___/___/_____ | |
| | _____ | ___/___/_____ | |

# 1. BACKGROUND AND CONTEXT

## 1.1 JUSTIFICATION

It has drawn attention; the rapid proliferation of the electrical and electronic equipment (EEE) increases the negative effects arising from inadequate waste disposal and management. These wastes, which contain toxic substances, cause serious damage to the environment and human health. For this reason, it is important the collaboration between countries in order to implement measures to collect and recycle these hazardous materials, and introduce safeguards in the waste management. Also the problem of visual pollution due to the absence of appropriate regulations in the installation of telecommunications systems.

# 2. DESCRIPTION OF THE PROJECT

The project seeks to propose to countries members of COMTELCA, policies that allow the treatment or disposal of the waste of the telecommunication equipment, as well as the elaboration of regulations for the installation of systems for telecommunications in harmony with the environment.

For the above dialogues and meetings between decision-makers, will be promoted in order to encourage the exchange of information, practices and experiences that contribute to establishing strategies and activities in areas of mutual interest.

# 3. OBJECTIVES OF THE PROJECT

Make a proposal for implementation at the level of the countries of the region for the treatment or disposal of wastes of telecommunication equipment.

Propose regulations for the design, acquisition and installation of systems for telecommunications in harmony with the environment.

Encourage the use of renewable energy systems in telecommunications systems.

# 4. EXPECTED RESULTS

4.1 Policy proposal for the treatment and disposal of wastes of telecommunication equipment.

4.2 Draft regulations for the design, purchase and installation of telecommunications systems in harmony with the environment that includes at least:

- Recommendations for the purchase of telecommunications equipment in harmony with the environment (green procurement).
- Guidelines for the co-location of radiant systems and other telecommunications structures.
- Guidelines to reduce visual pollution caused by the various structures of telecommunications (mimicking).

4.3. Guide for the use of renewable electric power systems for the supply of telecommunication equipment.

## 5. INDICATORS

The following indicators will be used to measure the progress of the project.

| ACTIVITY | INDICATOR |
|---|---|
| Regional workshop of awareness on ICT and the environment. | Report from the workshop |
| Diagnosis and assessments by country. | Assessments Reports |
| Creation of inter-agency working groups. | Groups formed<br>Allocation of responsibilities. |
| National workshops for the presentation of results and proposals. | Workshops reports |
| Formation of working groups led by COMTELCA with other relevant regional entities to develop a policy draft and Regional regulations draft. | Draft policy and Regional regulations. |
| Process of adoption of draft policy and regional legislation by Board of Directors of COMTELCA and referral to the Summit of Presidents of SICA. | Resolution of Board of Directors of COMTELCA. |

The following indicators will be used to measure the success of the project.

| MEASUREMENT | INDICATOR |
|---|---|
| Policy and regional rules adopted by the Summit of Presidents of SICA | Declaration of the Summit of Presidents adopting the policy and regional regulations. |

## 6. MAIN ACTIVITIES

The implementation of the project will require the following activities:

| ACTIVITY | RESPONSIBLE FOR |
|---|---|
| Regional workshop of awareness on ICT and the environment. | CCAD/COMTELCA/ITU/consultant |
| Diagnosis and assessments by country. | Countries COMTELCA member/consultant |
| Formation of inter-agency working groups. | CCAD/COMTELCA/ITU/consultant |
| National workshops for the presentation of results and proposals. | Countries COMTELCA member/consultant |
| Formation of working groups led by COMTELCA with other relevant regional entities to develop a policy draft and Regional regulations draft. | CCAD/COMTELCA/ITU/consultant |
| Process of adoption of draft policy and regional legislation by Board of Directors of COMTELCA and referral to Presidency Pro-Tempore SICA. | Board of Directors of COMTELCA |
| Transfer of policy draft and regional rules draft to the Summit of Presidents of SICA | Presidency Pro-Tempore SICA |
| Adoption of policy and regional rules by the Summit of Presidents of SICA | Chancelleries/Presidents |

## 7. INPUTS

| | |
|---|---|
| CONTRIBUTION IN CASH | **$187,000** |
| CONTRIBUTION IN KIND | 1. Human resource<br>2. Support material<br>3. Office equipment<br>4. Miscellaneous<br>5. Logistical support<br>**Estimating a value of $56,100** |

## 8. RISKS

Projects in which several entities are involved can present major problems in the coordination of the same concerns. Close coordination can mitigate this risk.

Available financial resources can impact the development of this project that it is difficult to allocate resources for such projects, which is why the ITU, COMTELCA and administrations will have to overcome this inconvenience taking into account the objectives thereof.

## 9. MANAGEMENT

The roles and responsibilities of the different actors are set out in section 6.

## 10. MONITORING AND EVALUATION

The indicators set out in section 5 and the expected results described in section 4 will help ITU RO Brazil, ITU AO Honduras, Central American Commission on environment and development (CCAD) and COMTELCA monitor and evaluate the present project.

## 11. SUSTAINABILITY

This project by its nature is self-sustaining.

## 12. WORK PLAN

| Activities | 2012 | | | | 2013 | | | | 2014 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Regional workshop of awareness on ICT and the environment. | | | | | | | | | | | | |
| Diagnosis and assessments by country. | | | | | | | | | | | | |
| Formation of inter-agency working groups. | | | | | | | | | | | | |
| National workshops for the presentation of results and proposals. | | | | | | | | | | | | |
| Formation of working groups led by COMTELCA with other relevant regional entities to develop a policy draft and Regional regulations draft. | | | | | | | | | | | | |
| Process of adoption of draft policy and regional legislation by Board of Directors of COMTELCA and referral to Presidency Pro-Tempore SICA. | | | | | | | | | | | | |
| Transfer of policy draft and regional rules draft to the Summit of Presidents of SICA | | | | | | | | | | | | |
| Adoption of policy and regional rules by the Summit of Presidents of SICA | | | | | | | | | | | | |

## 13. BUDGET ESTIMATED

| SPONSOR CLASSES | DESCRIPTION | TOTAL |
|---|---|---|
| | | US $ |
| | STAFF COSTS | |
| 3004 | External - consulting services | $243,100.00 |
| | Sub-total: | $243,100.00 |
| | | |
| | TOTAL BUDGET | $243,100.00 |