

## ADB ETESP – Environmental Fact Sheet

**Name of Project:** Earthquake and Tsunami Emergency Support Project (ETESP)  
**Primary Partners:** BRR and various Provincial Departments  
**Main Project Goals:** To help rebuild tsunami and earthquake affected regions and support their economic revival to meet the Millennium Development Goals (MDGs). Its purpose is to (i) facilitate economic revival in the affected regions by restoring livelihoods; and (ii) alleviate constraints due to the lack of adequate public goods and facilities by restoring essential public services and rebuilding infrastructure.

**Budget:** ETESP is financed by a \$291 million grant from by the Asian Tsunami Fund<sup>1</sup> and a \$3.5 million grant from the Government of the Netherlands.

**Key Sectors:** To meet the critical rehabilitation and reconstruction needs in a flexible manner, ETESP is designed as a multisector project facility with 12 components under five principal sector groupings:

|                                 |  |
|---------------------------------|--|
| <b>Livelihoods</b>              | Agriculture<br>Fisheries<br>Livelihoods and Microfinance   |
| <b>Social Services</b>          | Health<br>Education  |
| <b>Community Infrastructure</b> | Rural Water Supply and Sanitation<br>Housing<br>Irrigation |
| <b>Physical Infrastructure</b>  | Roads<br>Power<br>Spatial Planning                         |
| <b>Fiduciary Oversight</b>      | Fiduciary Guidance   |

### Environmental Aspects:

**Mainstreaming** Environmental sustainability is mainstreamed into all sectors and subprojects. For example:

- Fisheries**
  - rehabilitation of “green zone”, mangrove planting
  - promotion of environmentally sustainable aquaculture and capture fisheries methods
  - improved management of fish landing sites and fuel depots
- Agriculture**
  - rehabilitation of tsunami affected agricultural land
- Housing**
  - houses equipped with double chamber septic tanks and leach fields to protect human health
  - composting facilities provided
  - use of timber minimized
- Road & Bridges**
  - road rehabilitation incorporates mitigation measures such as dust control and extensive landscaping and re-vegetation
- Rural WatSan** - locally implemented small scale facilities to serve poor communities with limited or no existing services

<sup>1</sup> This includes a \$1.0 million contribution from the Government of Luxemburg to the Asian Tsunami Fund for financing irrigation activities in Nias.

## **Spatial Planning**

The Spatial Planning and Environmental Management (SPEM) component of ETESP is undertaking spatial planning for a total of 63 Kecamatan (sub-districts) on Aceh's west coast and on Nias. The spatial frameworks and action plans focus on physical and social infrastructure needs and on environmental risks and constraints. Initially the work was focused on a narrow tsunami-affected coastal zone, but was subsequently expanded to include the entire Kecamatans with a greater emphasis on overall development. ETESP is also supporting the development of Kabupaten (district) spatial frameworks across the east coast of Aceh. This assistance works in tandem with BRR's Infrastructure Reconstruction Enabling Program (IREP) funded by the Multi Donor Fund (MDF) to strengthen institutional capacity and identify key infrastructure projects which can be considered for funding through the MDF Infrastructure Reconstruction Financing Facility (IRFF) and by the provincial and district governments using local funds.

At the village level ETESP has supported the preparation of spatial plans for 73 heavily damaged villages in Aceh. These plans facilitate the reconstruction of houses and village infrastructure. In addition, ETESP assisted in the preparation of a development plan for Labuy, a new urban settlement close to Banda Aceh.

In the area of natural resource management, ETESP is supporting a team of forestry and legal experts from UNSYIAH to develop a conservation Qanun consistent with Act No. 11, 2006 on the Government of Aceh (LOGA), and is also developing a Forest Information System (FIS) to support sustainable forest management and to outline forest zoning recommendations and alternatives in NAD.

## **Environmental Assessment**

The ADB and Gol are committed to implementing the reconstruction and rehabilitation process in an environmentally sustainable manner, and undertaking environmental assessments of proposed subprojects is one key mechanism to accomplish this. The ADB has its own internal environmental assessment procedures, and the *Aceh-Nias AMDAL Decree No. 308 (2005)* defines the Government's requirements, as managed in Aceh by BAPEDALDA NAD and in Nias by BAPEDALDA SUMUT.

Given its emergency response nature ETESP is generally only undertaking environmental Category B subprojects. A comparative analysis of the environmental assessment requirements of the ADB and of the Gol was undertaken which indicated that the requirements of a Category B IEE fully meets or exceeds the requirements of an Appendix II UKL/UPL (Table 1). Based on this agreements were signed between the ADB and BAPEDALDA's NAD and SUMUT for the joint review of Category B subprojects. Under these harmonization agreements a subproject IEE report, submitted simultaneously to both ADB and the relevant BAPEDALDA, forms the basis of the environmental review process, thereby avoiding time-consuming duplicate reporting processes and reducing approval delays.

As of August 2008 a total of 246 ETESP subprojects have undergone an assessment through 164 IEE reports and have received BAPEDALDA NAD/SUMUT and ADB approval (Table 2). The analysis indicates that most subprojects are expected to result in moderate to significant environmental benefits, and with the proper application of mitigation measures potential negative impacts which have been identified can be eliminated or minimized. Mitigation measures are presented in ETESP-wide Standard Environmental Clauses and in subproject-specific Environmental Management Plans (EMPs).

**Table 1:** Comparison of ADB and GOI Environmental Assessment Requirements

| ADB              |   |   | Aceh-Nias AMDAL Decree 308 |  |
|------------------|---|---|----------------------------|--|
| Project Category | Requirement                                 |   | Project Category           | Requirement  |
| A                | EIA   | ←generally equivalent to→               | Appendix I                 | ANDAL (EIA)  |
| B                | IEE (Initial Environmental Examination)     | ←generally equivalent to <sup>2</sup> → | Appendix II                | UKL and UPL (Env. Mang. Plan and Env. Monitoring Plan) |
| C                | Consideration given to environmental issues | ←generally equivalent to→               | NA                         | NA   |
| FI               | Environmental management system             | ←generally equivalent to→               | NA                         | NA   |

**Table 2:** Status of Approvals of IEEs by ETESP Sector, August 2008

| Sector                            | Initial Environmental Examinations (IEEs) |  |
|-----------------------------------|---|--|
|                                   | Number IEEs Approved                      | Number Subprojects covered by Approved IEEs <sup>3</sup> |
| Agriculture                       | 57  | 77   |
| Fisheries                         | 17  | 17   |
| Health                            | 5   | 5  |
| Education                         | 5   | 5  |
| Community Water Supply and Health | 7   | 7  |
| Housing                           | 30  | 30   |
| Irrigation                        | 30  | 92   |
| Roads and Bridges                 | 6   | 6  |
| Power                             | 7   | 7  |
| SPEM                              | NA  | NA   |
| Livelihoods and Microfinance      | NA  | NA   |
| Fiduciary                         | NA  | NA   |
| <b>Total Approved</b>             | <b>164</b>                                | <b>246</b>   |

<sup>2</sup> IEEs meet or exceed the requirements of an Appendix II UKL/UPL.

<sup>3</sup> In some sectors IEEs may cover one or more subprojects. Does not include subprojects with reviewed IEEs which were subsequently cancelled.

### **Environmental Monitoring**

The ETESP environmental safeguards process does not end with the approval of a subproject IEE. It is critical that during subproject implementation the environmental mitigation measures presented in the EMPs and in the ETESP Standard Environmental Clauses are appropriately adopted. Environmental monitoring is an effective tool to ensure that mitigations are being implemented effectively. This is a requirement of ADB as well BAPEDALDA NAD and BAPEDALDA SUMUT.

Environmental monitoring and reporting is ongoing in most ETESP Components under active implementation, the exceptions being those Components without physical works (SPEM, Fiduciary and Livelihoods and Microfinance) and the Power Component. For the Power Component human resource and financial constraints have limited the ability of the Satker and consultants to undertake monitoring to date. To address this deficiency, a Component wide environmental inspection mission and reporting will be undertaken in late 2008.

### **Environmental Capacity Building**

Although not a capacity building project *per se*, ETESP is providing on the job environmental training in environmental impact assessment in most of its sectors. In addition ETESP is providing a long term National AMDAL Advisor to BAPEDALDA NAD.

### **Environmental Tools**

ETESP is developing environmental planning tools such as: *Guide to ETESP Environmental Assessment Requirements*; various *Kecamatan Action Plans*; a *NAD Environmental Sensitivity Map*; and the *Westcoast Freshwater Ecosystem Survey*.

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Please also visit the environment section of the ETESP website:

<http://www.adb.org/Projects/ETESP/etesp-environment.asp>