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*Ref. No:*

*Date received:*

*Date approved:*

## Section 1: Key Project Details

### 1.1. Project details

Project name:	Tsunami Recovery Waste Management Programme (TRWMP)
Project proponent: A requestor <u>  x  </u> or a donor <u>      </u> (please insert "X" to the appropriate one)	Dinas Kebersihan Dan Pertamanan, Pemerintah Kota Banda Aceh, Dinas Kebersihan Dan Pertamanan, Kabupaten Aceh Barat, and Kabupaten Aceh Jaya, jointly with UNDP.
Contact person/title:	Simon Field
Contact information (phone/address):	UNDP Banda Aceh
Contact email and telephone:	HP: 0811 806 731
Proposed project start date:	As soon as possible
Proposed project duration (months)	12 months

### 1.2. Project Status

*Please fill in approvals needed for the project*

Existing approval: (from which party)	
Key stakeholders:	Dinas Kebersihan Dan Pertamanan, Pemerintah Kota Banda Aceh, Dinas Kebersihan Dan Pertamanan, Kabupaten Aceh Barat, and Kabupaten Aceh Jaya
Existing bottlenecks/remaining actions required, e.g. any outstanding approvals needed:	Endorsement of the proposal by MDTFANS Steering Committee (SC), acceptance of appraisal, and subsequent "no objection" by the SC

### 1.3 Project Location

*Please fill in information on location where the project has major activities*

Village:	Various
Kecamatan:	Various
Kabupaten*:	Kota Banda Aceh Kabupaten Aceh Barat Kabupaten Aceh Jaya

### 1.4. Project sectors

Please insert "X" next to all relevant sub-sectors:

Infrastructure	
Sea transportation	
Air transportation	
Land transportation	
Power & electricity	
Postal & telecommunication	
Housing	
Drinking water & sanitation	
Water resources	
Other infrastructure	X
Spatial planning	
Province spatial planning	
City spatial planning	
Shore and islands spatial planning	

Economy & manpower	
Fisheries	
Agriculture & food	
Industry	
Trade	
Manpower	X
SME & cooperatives	
Tourism	
Environment & natural resources	
Forestry	
Agriculture	
Fisheries & oceanic	
Environment	X
Energy & mineral	
Social services	
Health	
Education & training	
Religion	
Social	
Culture	
Citizen matter & family	
Youth & sport	

Gender & special communities	
Empowerment of women	
Child protection	
Marginalized communities	
Institutional development	
Provincial level	
Kabupaten/kota level	X
Kecamatan and lower levels	
Legislatures	
Legal and judiciary	
Electoral	
Security	
Civil society empowerment	
Private sector strengthening	
Other	

### 1.5. Project Objectives and Descriptions

Complete the following section

<p>Project objectives:</p> <ul style="list-style-type: none"> <li>Describe how the project is aligned with Master Plan</li> </ul>	<p>The Master Plan for Rehabilitation and Reconstruction of Aceh and Nias notes the environmental impact of the tsunami and earthquake disasters, in particular the waste generated by the disasters and the need for appropriate handling and clean up of this waste and rubble. In addition, much of the waste is recoverable and recyclable for use in rehabilitation and reconstruction. Reuse of recycled timber, concrete and bricks will reduce the need to fell trees for virgin timber and quarry rock for use in concrete, drainage, roads and fill.</p> <p>Pilot programs are already operating in Kota Banda Aceh and Aceh Barat, via Letters of Agreement between the municipal/district governments and UNDP. The project supports the government with the provision of technical assistance, leased heavy equipment and labour for the collection/disposal of municipal waste, clearing of residual tsunami waste and recovery of materials that can be used in livelihood restoration, shelter and rehabilitation/ reconstruction of infrastructure.</p>
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<p>Concept and Main Activities:</p>	<p>The Tsunami Recovery Waste Management Programme (TRWMP) aims to build capacity in government for waste management, to create employment and longer-term livelihoods in waste management whilst benefiting the environment through collection, recovery and recycling of waste materials for use in rehabilitation and reconstruction.</p> <p><u>Description of Main Activities:</u></p> <ul style="list-style-type: none"><li>• Following a request from the local government, the current pilot TWRf in Kota Banda Aceh will be expanded to cater for clearance of over 300,000m<sup>3</sup> of tsunami generated waste in temporary dumps on 21 hectares of sawah (padi), tambak (fishpond) or private property using some 1,000-1,500 laborers, 60 dump trucks and associated heavy equipment over a one year period.</li><li>• Expansion of pilot TWRf in Aceh Barat to cater for clearance of over 85,000m<sup>3</sup> of tsunami waste in temporary dumps on 8 hectares of private property and benefiting some 900 labourers on a cash for work basis;</li><li>• Initiation of a TWRf and landfill in Calang, Aceh Jaya, benefiting some 900 labourers on a cash for work basis; and,</li><li>• Rehabilitation of Gampong Jawa Dumpsite, Kota Banda Aceh to serve as an of interim sanitary landfill for Kota Banda Aceh for 2-3 years until a permanent replacement can be provided, via:<ul style="list-style-type: none"><li>○ Construction of 1.0 hectare Phase I Interim Landfill;</li><li>○ Construction of 4.5 hectare Phase II Interim Landfill;</li><li>○ Construction of a maintenance workshop and equipping the workshop with needed equipment and tools to maintain Dinas Kebersihan vehicles and equipment</li><li>○ Construction of supporting facilities for the workshop: a garage for vehicles, canteen and housing for overnight workers, offices, security fence;</li><li>○ Repair and reconstruction of the access road to the interim landfill and workshop area, and internal roads at the interim landfill site (about 1.2 km) as well as provision of electric power to the landfill and workshop site.</li></ul></li></ul>
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	<p>Downstream livelihood generation projects to utilize the materials recovered at the TWRFs will be supported, including:</p> <ul style="list-style-type: none"> <li>• Composting projects to make organic fertilizer for paddy and parks rehabilitation;</li> <li>• Plastic processing facilities to make plastic chips for sale to recyclers;</li> <li>• Provision of restored tsunami wood to furniture manufacturers;</li> <li>• Tsunami wood-fired brick kiln rehabilitation projects to make red bricks using tsunami wood;</li> <li>• Tsunami wood-fired limestone kiln rehabilitation projects to make lime using tsunami wood;</li> <li>• Charcoal manufacture from tsunami timber; and</li> <li>• Provision of stone crushers to make secondary aggregate for use in brick (breeze block) projects, concrete preparation and/ or road base/ sea defences.</li> </ul>
<p>Delivery Mechanism:</p>	<p>The project will be implemented in partnership between the Pemerintah Kota Banda Aceh (Dinas Kebersihan Dan Pertamanan), Kabupaten Aceh Barat, Kabupaten Aceh Jaya and UNDP. The district Governments will oversee and manage activities. Contracting with heavy equipment suppliers will be undertaken by UNDP.</p>
<p>Key needs (technical requirements):</p>	<p>Technical inputs on waste management. Technical monitoring and oversight.</p>

**Section 2: Impact Assessment**

*Please describe the following (details dependent on project size)*

<ul style="list-style-type: none"> <li>• <u>Economic multiplier:</u> <ul style="list-style-type: none"> <li>– What kind, if any, income earning activities or capital formation will be created in this project?</li> <li>– What kind, if any, job creation will be created in this project?</li> </ul> </li> </ul>	<p>The project will result in downstream livelihood generation activities through utilization of the materials recovered at the TWRFs.</p>
<ul style="list-style-type: none"> <li>• <u>Supply chain/resource impact:</u> <ul style="list-style-type: none"> <li>– What, if any, prospective shortages of supply/resources can be foreseen</li> <li>– What is the estimate for materials usage?</li> </ul> </li> </ul>	<p>No shortages are envisaged. The project will recover recyclable and reusable waste and introduce it for productive use in the reconstruction and recovery process.</p>

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– Where might these materials be sourced?	
<ul style="list-style-type: none"> <li>• <u>Environmental assessment:</u> <ul style="list-style-type: none"> <li>– What kind, if any, of potential negative impacts on the environment need to be foreseen in implementing this project?</li> </ul> </li> </ul>	<p>No negative environmental impacts are foreseen.</p> <p>The project is intended to address the overall environmental impact of waste caused by the tsunami and to prevent future environmental impacts of improper waste handling. The lack of proper waste collection and management systems is an issue that needs to be urgently addressed.</p>
<ul style="list-style-type: none"> <li>• <u>Social impact assessment:</u> <ul style="list-style-type: none"> <li>– What kinds, if any, of social issues/problems might be caused in implementing this project; e.g., involuntary resettlement, disruption to local culture or people/?</li> </ul> </li> </ul>	<p>No negative social impacts are envisaged.</p>
<ul style="list-style-type: none"> <li>• <u>Magnitude of impact:</u> <ul style="list-style-type: none"> <li>– How many people will be impacted by the project</li> </ul> </li> </ul>	<p>The project will directly benefit approximately 3,400 laborers through provision of employment. The project will also benefit the populations of Kota Banda Aceh, Meulaboh and Calang through improved environmental conditions.</p>

### Section 3: Project Cost and Funding

#### 3.1. Budget Estimate

Budget estimate and breakdown: (please specify currency)		US\$
	<i>TWRF Kabupaten Dinas Kebersihan</i>	
	<i>TWRF Kota Banda Aceh Extension</i>	
	Heavy Equipment and Fuel	5,657,246
	Cash for Workers	1,338,134
	Tools and Materials	125,543
	Technical Assistance to Dinas	33,668
	<b>Subtotal</b>	<b>7,154,591</b>
	<i>TWRF Kabupaten Aceh Barat Extension</i>	
	Heavy Equipment and Fuel	1,602,886
	Cash for Workers	379,138
	Tools and Materials	35,571
	Technical Assistance to Dinas	9,539
	<b>Subtotal</b>	<b>2,027,134</b>
	<i>TWRF Aceh Jaya</i>	
	Heavy Equipment and Fuel	1,602,886
	Cash for Workers	379,138
	Tools and Materials	35,571
	Technical Assistance to Dinas	9,539
	<b>Subtotal</b>	<b>2,027,134</b>
	<i>Interim Landfill Kota Banda Aceh</i>	
	Workshop	1,056,510

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	Interim Phase I	457,275
	Interim Phase II	1,112,475
	Roads/Power	267,540
	<i>Subtotal</i>	<b>2,893,800</b>
	<i>Livelihoods</i>	1,050,000
	<b>TOTAL</b>	<b>15,152,660</b>

### 3.2. Financial plan

Proposed/preferred funding source:	Multi-Donor Trust Fund for Aceh and North Sumatra (MDTFANS)
Proposed/preferred funding type (loan/grant):	Grant

### 3.3. Summary of any existing donor commitments

List proposed project activities that have already received funding or funding commitments from donors

US\$14.5 million is allocated for ongoing rubble clearance, TWRF pilots and cash for work programmes through the existing UNDP Emergency Response and Transitional Recovery (ERTR) Programme budget. The funds requested for this activity are supplemental to what is already available in the ERTR budget.

Donor name and department	Commitment amount (Specify currency)	Disbursement amount (Specify currency)
N/A (See Above)		

## Section 4: Other Relevant Agency(ies) Details

<ul style="list-style-type: none"> <li>Partner Agency (if on-budget) or Partner/ Executing Agency (if off-budget) [if funds to be sourced through MDTFANS]</li> </ul>	UNDP
<ul style="list-style-type: none"> <li>Executing agency(ies) [if on-budget]:                             <ul style="list-style-type: none"> <li>– Name:</li> <li>– Contact details (contact person, phone, email, address):</li> </ul> </li> </ul>	N/A
<ul style="list-style-type: none"> <li>Relevant government contacts (e.g., line ministries/Dinas):                             <ul style="list-style-type: none"> <li>– Relevant line ministries/Dinas/Biro or local civil society partner/s</li> <li>– What form of support from relevant government agency, if relevant, exists?</li> </ul> </li> </ul>	Dinas Kebersihan Dan Pertamanan, Pemerintah Kota Banda Aceh, Dinas Kebersihan Dan Pertamanan, Kabupaten Aceh Barat, and Kabupaten Aceh Jaya.  GOI funding staff salaries, regular operational costs, etc.

## Section 5: Local Community Support

Please describe the following:

<ul style="list-style-type: none"> <li>• How, if at all, has the local community/ies been involved in developing this project?</li> <li>• What kind, if any, of local resources will be employed under this project?</li> <li>• What kind, if any, of knowledge/skills will be transferred to the local community/ies?</li> </ul>	<p>Pilot activities are ongoing, and consultations have been undertaken with communities in target areas. Local labour will be used in implementing the labour components of the project.</p>
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## Section 6: Monitoring Process

Please describe the following:

<ul style="list-style-type: none"> <li>• Monitoring arrangements (includes “corruption free” mechanisms):             <ul style="list-style-type: none"> <li>– Financial:                 <ul style="list-style-type: none"> <li>▪ Fund disbursement process</li> <li>▪ Financial reporting mechanism</li> <li>▪ Auditing</li> </ul> </li> <li>– Operational:                 <ul style="list-style-type: none"> <li>▪ Project reporting mechanism (e.g. key stage gates/milestones)</li> </ul> </li> </ul> </li> </ul>	<p>Financial management will be undertaken through UNDP's internal control framework, via partnership agreements with district government counterparts. Contractors will be procured through UNDP processes. Payments made directly by UNDP to government implementing partners and contractors based on benchmarks in agreements / contracts. Financial and substantive reporting will be undertaken as per UNDP procedures.</p> <p>A specialized technical monitoring team has been assembled for purposes of monitoring overall implementation of the project. Monitoring of contractors and implementing partners will be undertaken by the relevant Government partners together with UNDP, through regular and routine on-site inspections to review deliverables against agreed scheduled, review of records and documentation of implementing partners for equipment provision and cash for work beneficiaries, as well as expenditure tracking to ensure accountability and transparency in the use of programme resources.</p> <p>All UNDP-supported projects are subject to UNDP audit rules and regulations. Projects in response to the tsunami disaster are subject to internal and external audit, including periodic management reviews and reviews of internal control mechanisms, as well as annual external audits. Project activities by implementing partners are also subject to audit provisions, including UNDP reviews of financial reporting and supporting documentation, as well as external audit of implementing partner accounts for</p>
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**Thank you for your support for our effort in coordinatong Aceh-Nias' reconstruction.  
We hope together we can build Aceh and Nias.**