



BC CONSTRUCTION INDUSTRY TSUNAMI INITIAIVE
April 2005

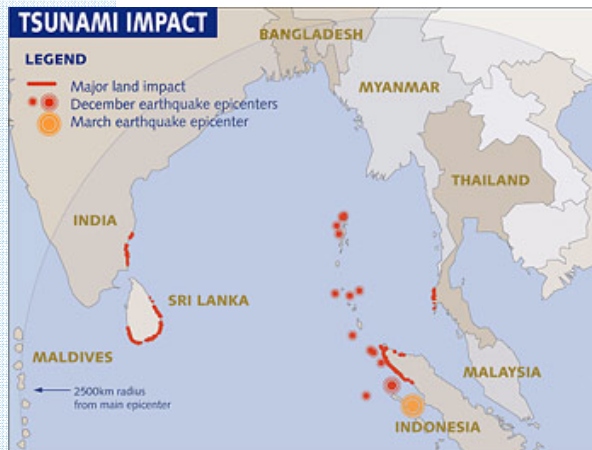
Builders Without Borders (BWB) is a non-profit, non-partisan, registered Canadian charity. BWB provides international non government organizations (NGO's) with Project Management expertise to effectively undertake their construction activity abroad.

BWB ensures that financial controls, systems and audits adhere to the highest standards on all of its projects, ensuring that funds and resources are used wisely and cost effectively.

BWB's projects provide an opportunity to teach local residents basic construction skills opening the door to livelihood opportunities in their communities.

Update: Industry Response

- Jan BC Construction Industry Associations and Builders Without Borders establish a partnership to aid southeast Asia reconstruction efforts
- Feb BWB Construction Consultant meets with Canadian Aid organizations in India and Sri Lanka
- March BC Construction Industry associations begin contact with their membership to announce the launch of the BC Construction Industry aid initiative
- April BWB has advanced 4 projects to the preconstruction stage in the Sri Lankan communities devastated by the southeast Asia tsunami of last December



May BWB and the five associations, are now appealing to member companies to support these projects by donating funds!

Please refer to the following pages for more details about these four projects



SOUTHEAST ASIA RECONSTRUCTION PROJECTS 2005

1. LOW COST HOUSING - TILT UP CONCRETE PANEL CONSTRUCTION

Plans have been approved to build 5,000 low cost homes in Sri Lanka. BWB is pleased to be partnering with Habitat for Humanity on this project to introduce a "tilt up panel" method of construction. BWB has re-engineered the tilt up method, widely used in BC, incorporating the housing requirements identified by local NGO's in Sri Lanka. The tilt up system construction process is simpler, faster and we anticipate more cost effective than the concrete block system currently being used. The tilt up panels are also safer to withstand the earthquake activity in southeast Asia.

BWB will be responsible for building the first five "prototype" homes, instructing local labour on this new panel and home construction process. This will ensure skills are gained within the community, providing more opportunities and independence for the local people.



Typical example of a Habitat for Humanity concrete block home. Tilt up home will be similar in size and finish.

BC Construction Industry and BWB Project Management & Training Budget

ACTIVITY	COST
A. Assessment Mission Budget	4,500.00
B. Construction Budget- 5 tilt up home prototypes @ \$4,000 USD each (400 sq ft with plumbing & power)	29,000.00
C. Purchase of 2 Ton Winch-Gasoline Powered Engine	3,000.00
D. Prototype Three Month Training Budget, Air & Travel	22,000.00
E. BWB Assessment Report & Project Management	5,000.00
Contingency	5,000.00
TOTAL	\$68,500.00

2. PORTABLE WELL DRILLING RIG



In partnership with Habitat for Humanity, Builders Without Borders will purchase a portable well drilling rig. It will be used to drill new and replacement wells contaminated by the Tsunami. A BC hydrologist experienced in well construction will teach local labour how to operate and maintain the equipment as well as the maintenance of completed wells. Habitat will initially own the equipment and then donate it to a community group for a well drilling enterprise.

The Pat Drill 201 portable drilling rig (see attached) is manufactured in Bangkok. It has a mud pump set, drill pipe for a 60 meter well at 100 – 200 mm diameter, and is powered by a 4HP gasoline engine.

Project Budget to BC Construction Industry & BWB

ACTIVITY	COST
A. Drilling Rig & Shipping	12,000.00
B. Hydrologist/Trainer Accommodation, & travel (2 months)	9,000.00
C. Business Plan & Equipment Manual	4,000.00
D. BWB Assessment Report & Project Management	3,000.00
TOTAL	\$28,000.00

3. COMMUNITY CENTRE, MORATUWA SRI LANKA

BWB is partnering with the International Centre for Sustainable Cities (Vancouver) and the non profit organization EMACE of Sri Lanka who are planning to build three 2,000 sq.ft. community centres in three separate villages. The centres will focus on poverty reducing programs, services for women and children as well as teaching new skills and small business opportunities to women. BWB is undertaking to build the community centre, in Moratuwa, a village 50km south of Colombo. Moratuwa was severely damaged in the Tsunami. During construction of the Moratuwa centre, BWB and EMACE will develop an apprentice program for women in basic carpentry and joinery skills. The construction period for the project is estimated to last over six months.

Project Budget to BC Construction Industry & BWB

ACTIVITY	COST
A. Construction	24,000.00
B. BWB 3 month Construction Trades Teaching Program	10,000.00
C. BWB Assessment report & management	6,000.00
TOTAL	\$40,000.00

4. 200 RENT TO OWN 4 STORY APARTMENT HOMES SRI LANKA

BWB is partnering with a Sri Lankan organization and the Christian Children’s Fund of Canada to supervise the construction of two hundred, two bedroom apartment units (420 Sq ft ea) in Moratuwa, south of Colombo. These homes are for those families living in the shacks along the shoreline, that were destroyed by the tsunami. The Government is not permitting reconstruction along the shoreline, but is offering ownership of these apartments to families following fifteen years of affordable rental payments.



Preliminary design has been completed by local architects and engineers for the 4-story buildings as shown in the sketch. The apartments are expected to cost approximately \$6,000 each to construct.

BWB is to provide a construction advisory role on the project and will be providing a project manager for 2 to 3 months to cover the start of the project. This is to ensure that there is an effective and accountable team on the ground to undertake this 1.5 million dollar project. The following costs reflect the BWB contribution.

Project Costs to BC Construction Industry & BWB

ACTIVITY	COST
A. Construction of 200 Apartments by others approximately \$1,500,000.00	
B. BWB Project Management—3 month Accommodations & Travel	10,000.00
C. BWB 3 month Construction Trade Training Program	3,000.00
D. BWB Assessment Report & Management	5,000.00
TOTAL	\$18,000.00



Get Involved!

There are many opportunities to get involved with Builders Without Borders

PLEDGE FUNDS

- To support a project
- To support a volunteer Project Manager
- To support our appeal

PLEDGE SUPPORT

There are many volunteer opportunities available, depending on the commitment you are able to make. Industry volunteers are essential to running our charity. Whether your commitment is short term or long term, one day, one hour, periodic or on a regular schedule, your industry experience can be put to good use.

If you are interested in supporting this unique construction industry initiative, here are some of the ways you can help

- Participate in a project abroad (project management)
- Connect us with recently retired project management professionals who are interested in volunteering their time locally or abroad
- Volunteer on an on-call basis to participate in periodic project planning sessions locally
- Volunteer your time to support our office infrastructure. Your expertise with computer networking, web site updates, newsletter design, communications, and fundraising on a volunteer basis is the backbone of our charity.

If you are interested in supporting us drop by or contact us at:

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