

TRINIDAD AND TOBAGO
NATIONAL SUMMARY REPORT

I D N D R

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SECTION A: PROFILE

(This section contains relevant basic information about your country.
Please complete and check the information already included.)

1. Composition of National Committee (Focal Point):

(Please list the names of the institutions represented and indicate in the brackets the number of members for each group)

Ministries	Non-Governmental Organizations
- Ministry of Works	- Trinidad and Tobago Red Cross
- [1]	- [1]
Academic & Research Institutions	Media
- University of West Indies	-
- [1]	- []
Private Sector	Insurance
- Chamber of Commerce	- Maritime Life (Caribbean)
- [1]	- [1]
Public Services (e.g. meteorological, etc)	Others
- National Emergency Management Agency	-
- Bureau of Standards	-
- Trinidad & Tobago Electricity Commission	-
- Town & Country Planning	-
- [4]	- []

2. Internal organization of the National Committee

(Please describe hierarchy, responsibilities, coordination and cooperation mechanisms in natural disaster reduction activities.)

This year the IDNDR committee is commencing an examination of Critical Facilities in the country. The committee is chaired by the Director of NEMA. NEMA has been responsible for producing Hazard Maps of the country. Various agencies responsible for the Critical facilities have produced Maps showing layout of their facilities. A co-ordinated effort is now being made to identify vulnerable points in each facility, by correlating the hazard maps, and these facilities Layout Maps. Co-ordination and Co-operation with all the various agencies is carried out by means of monthly meetings and bi-lateral discussion between NEMA and the agencies.

3. Prevailing hazards

Type	Location	Affected Population
Storm	ISLAND WIDE	WHOLE POPULATION
Hurricane	ISLAND WIDE	WHOLE POPULATION
Flood	NW, CENTRAL, SW	APPROX. 300,000
Earthquake	SIPARIA, PENAL/DEBE	APPROX 433,000
Tsunami	DIEGO MARTIN, SAN-JUAN / LAVENTILLE	

(Please attach additional information if necessary)

4. Recent natural disasters

Type	Location	Affected Population	Losses
TROPICAL STORM	PENAL/DEBE	200	ESTIMATED 3M
FREAK STORM	PIARCO/SAN JUAN DIEGO/MARTIN	70	150,000
FIRE	JOHN JOHN	150	1.5 M
LEAD POISONING	WALLERFIELD	500	2 M

5. National socio-economic conditions

- Population: 1234388 - 1990 CENSUS
- Gross-National Product (GNP):
- Per-Capita Income:

6. Availability of assistance to other countries in the field of natural disaster reduction.

(Please list potential resources, scientific expertise, technology, etc.)

Expertise in Disaster preparedness and Reponse and in making plans.

- (a) KEITH J. MEADE - CO-ORDINATOR (RELIEF)
- (b) SELVA A. EDWARDS - CO-ORDINATOR (MITIGATION)
- (c) NEVILLE WARNER-PAUL - CO-ORDINATOR (OPERATIONS)
- (d) VOLUNTARY AGENCIES

7. International assistance required for natural disaster reduction

(Please indicate requirements for scientific expertise, technology, resources etc.)

- (a) Technical Expertise in the for Earthquakes Engineer to examine critical facilities for any retrofitting that may be necessary.
- (b) Financial resources to assist in preventing deforestation and in launching Reafforestation Programme to prevent erosion and thus reduce flooding hazard in the country.
- (c) Financial resources to desilt the rivers to mitigate flooding.
- (d) Financial resources to survey low cost housing and recommend measures to retrofit the houses against winds and earthquakes.

SECTION B: STRATEGIES AND ACTIVITIES

(This section deals with current or planned strategies and activities.)

1. Steps towards achieving the 3 main Decade targets

- (a) **Comprehensive national assessments of risks from natural hazards, with these assessments taken into account in development plans;**

Hazards and vulnerable areas have been identified. The University of the West Indies Department of Engineer NHA, T&TEC, WASA, Ministry of Works and MOH are now in the process of assessing the risks. The assessment when completed, will be sent to the Ministry of Planning for taking into account in Development Planning.

- (b) **Mitigation plans at national and/or local levels, involving long-term prevention and preparedness and community awareness; and**

Because of lack resources at local level mitigation plans have to be made at National level. Once the assessment of risks is completed, Mitigation plan for the country would be formulated.

- (c) **Ready access to global, regional, national and local warning systems and broad dissemination of warnings.**

Meteorological Department has ready access to Miami Hurricane Centre and NEMA to receive and disseminate warnings.

2. Present national plan for natural disaster reduction

- a) Time span covered: Six Years
- b) Agencies, institutions and organizations involved: NEMA
Forestry Division
Ministry of Works
Ministry of Energy
- c) Implementing agencies: NEMA
Forestry Division
Ministry of Works
Ministry of Energy
- d) Funds available for implementation:
NIL

3. Legislation introduced and enacted in relation to natural disaster reduction

Draft Regulations submitted to Ministry of National Security for review and enactment.

4. Disaster mitigation activities completed or underway:

a) *Identification of hazard zones: hazard assessment*

Title of project: Completing disaster response maps for all
Regional Corporations.

Status: 8 Maps completed, 6 under print

Participating institutions in the country and/or on the international level:

All Regional Corporations

University of the West Indies

Meteorological Office

Drainage Division, Ministry of Works

Forestry Division

Water and Sewerage Authority

Costs of project:

\$70,000.

Sources of funding:

National Budget

Implementing agencies:

NEMA

Mapping Division (lands and Surveys)

Address (telephone and fax-number) of the agency in charge:

809 - 623-1943

National Emergency Management Agency

Ministry of National Security

809 - 625-8926

NBS Radio Building (Ground Floor)
17, Abercromby Street

b) Monitoring, prediction and warning

Title of project:

Replacing Obsolete Radar

Status:

Awaiting Funds

Participating institutions in the country and/or on the international level:

Meteorological Office

Costs of project:

\$1.1 Million

Sources of funding:

None

Implementing agencies:

Meteorological Office

Address (telephone and fax-number) of the agency in charge:

Telephone: 664-5465 Meteorological Office
Main Terminal Building
Fax: 664-4009 Piarco
Arouca. Trinidad and Tobago

c) *Short-term Protective measures and preparedness*

Title of project:

Earmarking shelters for evacuation and preparing emergency plan and instructions for disaster situations.

Status:

Completed

Participating institutions in the country and/or on the international level:

NEMA, Deforce, Police, Fire Services, Ministry of Education Works, Energy, Health, Social Security, Red Cross Chamber of Commerce.

Costs of project:

Sources of funding:

National Budget

Implementing agencies:

NEMA

Government Printery

Address (telephone and fax-number) of the agency in charge:

809- 623-1943 National Emergency Management Agency
809- 625-8926 Ministry of National Security
NBS Radio Building (Ground Floor)
17, Abercromby Street
Port of Spain, Trinidad and Tobago.

e) *Land-use and risk management*

Title of project: National Development Plan.

Status: Completed

Participating institutions in the country and/or on the international level:

Ministry of Planning Town and Country Planning Division.

Costs of project:

Not known

Sources of funding:

Government

Implementing agencies:

Ministry of Planning

Address (telephone and fax-number) of the agency in charge:

Director

Town and Country Planning Division

Eric Williams Plaza

Telephone:

Fax:

d) Long-term preventive measures

Title of project:

Reforestation

Status:

700 hectare/year

Participating institutions in the country and/or on the international level:

Ministry of Planning and Development Environmental Division
I A D B.

Costs of project:

22 million/year

Sources of funding:

National Budget

I A D B for 1992 and 1993 only.

Implementing agencies:

Forestry Division

Trinidad and Tobago Regiment

Address (telephone and fax-number) of the agency in charge:

Conservator of Forestry

Forestry Division ,

Long Circular Road,

St. James, Trinidad

Telephone: 622-4521

622-3717

f) Public education and information

Title of project: Public Education

Status: Ongoing

Participating institutions in the country and/or on the international level:

NEMA

Local Print and Electronic Media

Costs of project: Nil

Sources of funding:

Implementing agencies:

NEMA

Local Print and Electronic Media

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	17 Abercromby Street
	Port of Spain, Trinidad and Tobago

5. Plans to fully achieve Decade targets by the end of 1999

(As in 4 above, for each area of activity [i.e., hazard zoning/assessment, monitoring, preparedness, etc] please indicate as applicable, the project title, the participating institutions in the country and/or on the international level, the costs of projects, the sources of funding and the implementing agencies.)

1. Mapping of Critical facilities of Trinidad and Tobago.
2. Participating Institutions: NEMA
T&TEC
WASA
NGC /
UWI
Association of Engineer
3. Cost: Institution absorbing the cost within their budgets.
Approximately: \$500.000
4. Source: National Budget
5. Implementing Agencies - NEMA
T&TEC
WASA
NGC
UWI
Association of Engineer

II Radar Replacement

III Reafforestation of 2500 Hectare

SECTION C: INTERACTIONS

(This section focuses on international involvement in the IDNDR.)

1. Publications on IDNDR-related subjects:

(E.g. manuals, brochures, bulletins and other publications of relevance to IDNDR. Please mention title, author/institution, place and year of publication)

Emergency Plans and Instructions for Disaster Situations - NEMA 1993

Developing Disasters Management in Trinidad and Tobago-Col. M. Mathur - Director
NEMA 1992.

More on Disaster Management in Trinidad and Tobago - Col. M. Mathur - Director
NEMA 1993

Disaster Management Model of Trinidad and Tobago- Col. M. Mathur- Director
NEMA 1993

2. IDNDR meetings and conferences held or planned:

(Please indicate, date, location, organizing agency, national and international participation.)

May 1992, Kingston Jamaica May 26-29 Participation Mr. Neville Warner-Paul
Operations Room NEMA.

27 Nov - 30 Nov 1992 IDNDR China Participation Col. M. Mathur
International Conference Director NEMA
1992 Japan.

3. Current or planned partnerships and cooperation related to IDNDR with other countries

(Please indicate Governments, National Committees, Institutions or Organizations involved.)

Colonel Mahendra Mathur visiting United Kingdom as visiting fellow from 4 October to 17 October 1993 to participate in United Kingdom's IDNDR day activities and deliver a paper on "Maps in Action for Disaster Management".

SECTION D: EVALUATION

(This section analyses national progress and outlines possible improvement.)

1. Overall evaluation of national disaster mitigation programmes including, but not limited to, those initiated after IDNDR and achievements up to now

(Please elaborate on whether the targets set by the National Committee, if any, the national disaster mitigation plans or other IDNDR activities have been met. If not, please indicate reasons.)

Targets of mapping national hazards, response facilities and critical facilities have been met.

Reafforestation programme is behind schedule due to shortage of funds.

2. Review of the IDNDR

(Critique of the Decade to date and suggestions for improvement/modifications in the second half.)

No funds have been forthcoming from International funds for Disaster Reduction Activities. Such as flood prevention, reafforestation and deputation of specialists (eg. earthquake engineers, Dam Inspectors for short periods).