

Table 4: Damage suffered in selected Asian and Pacific countries during 1980 from natural disasters: flood, drought and tropical storms

Type of natural disaster	Area affected (1,000 ha)	Population affected	Casualties		Houses or buildings		Agricultural crops, land damaged (\$US million) <sup>a/</sup>	Livestock lost (head)	Private property and public utilities damaged (\$US million)	Total estimated damage (\$US million)		Exchange rate per \$US 1.- (local currency units) <sup>b/</sup>
			Dead or missing	Injured	Destroyed	Damaged				Per type of disaster	Total	
Afghanistan <sup>c/</sup>	Floods	6.0	3 963		-----1 975-----		2.3		3.6 <sup>d/</sup>	5.9	5.9	44.5
Burma	Floods	241.0							0.7	0.7		
	Rainfall deficiency	875.9									2.1	<sup>e/</sup>
	Cyclones								1.4	1.4		
Hong Kong	Drought		300				[63 475 trees in plantations] [400 ha]					
	Hailstorms			6	59							
	Cyclones											
India	Floods	11 421.1	54 092 145	1 903	---2 530 936---		469.2 <sup>f/</sup>	59 401	594.5 <sup>g/</sup>	1 063.7	1 063.7	7.80
Japan	Typhoons	0.1		55	94	9 5 643						
	Heavy rainfall	6.6		33	55	81 33 560						
Malaysia	Floods	1 312	8 701	3	2					1.5	1.6	2.19
	Drought									0.1		
Philippines	Flood	1 422 428	128		6 860 42 927	112.2			53.3 <sup>h/</sup>	165.5	350.2	7.5805
	Cyclones	[3 200 families]	172	55	16 066 48 536	116.4			68.3 <sup>i/</sup>	184.7		
Thailand	Floods	927.9	831 368	61	7	2 394	47.6		9.3	75.1 <sup>j/</sup>	75.1	20.595
Trust Territory of the Pacific Islands	Typhoon				60 214					7.0	7.0	
Viet Nam	Cyclones, floods	1 564.2	10 000 000	496 384	933 339 103 934			tens of millions				

Sources: Official communications from the countries concerned. See country reports on the following pages for full reports.

Notes: The data in this table are drawn from the country reports in this Journal. Estimates of damage in monetary terms are given in current values.

<sup>a/</sup> In some cases, figures for agricultural damages are given in other than monetary terms (indicated in parentheses in such cases).

<sup>b/</sup> Exchange rates for United States dollars, published in *International Financial Statistics*, vol. xxxiv, No. 1 (January 1981), are utilized where estimates of damage in the country concerned were given to ESCAP in local currency units.

<sup>c/</sup> Estimates for Afghanistan apply to the Helmand River valley area only.

<sup>d/</sup> Official estimates of property damage in Afghanistan comprise estimated costs of rehabilitating damaged hydraulic structures and housing units, and replacing lost fertilizer.

<sup>e/</sup> Cost-equivalents of estimated damage were supplied in United States dollar figures by the Burmese Government.

<sup>f/</sup> Area of cropland damaged by floods in India was about 5.5 million ha.

<sup>g/</sup> Estimates of private property and public utilities damaged in India consist of official estimates of damage to houses and public utilities.

<sup>h/</sup> The flood damage estimate in this category in the Philippines derives from damages to public property, private property, roads, bridges and public works.

<sup>i/</sup> The cyclone damage estimate in this category in the Philippines derives from damages to roads, bridges, private and public buildings and properties, "infrastructure", public works and one instance of "crops", which was given as part of a lump sum for all damages inflicted by Typhoons Mitang and Osang (see country report).

<sup>j/</sup> The total reported damage from floods in Thailand includes items not covered in this table; hence the total reported is greater than the sum of the items mentioned in the table.