

No.32-5/2004-NDM-I
Government of India
Ministry of Home Affairs

Subject: Tsunami impact (26th December 2004) in A & N Islands, UT of Pondicherry and other coastal States of Tamil Nadu, Andhra Pradesh and Kerala –Relief, Rehabilitation and other follow up measures

The Tsunamis have caused extensive damage in Andaman & Nicobar Islands, the States of Andhra Pradesh, Kerala and Tamil Nadu and UT of Pondicherry. 104 aftershocks of intensities between 5.0 to 7.0 on Richter scale have been reported of which 10 are in the last 24 hours so far. The death toll is now at 9675. This is likely to go up after detailed from the Nicobar Group of Islands are received. The details of deaths, missing and relief camps are in [Annexure I](#). The details of damage to crops, dwelling units and population affected are in [Annexure-II](#).

2. The focus is on relief, rescue and rehabilitation in Andaman & Nicobar Islands. Disaster Management teams have been constituted and people evacuated to 8 Islands by the A & N administration where the relief efforts are now concentrated. The teams have representatives of the Department of Revenue, Agriculture, PWD, Police, Fishery, Animal Husbandry and Civil Supplies. There are no reports of any law and order problem in the context of relief operations in any of the Islands. Retrieval and burial/ cremation of the dead bodies is going side by side. 1737 Central Para Military Personnel are helping in this regard and for law & order duties. All the Islands have been surveyed and relief supplies have started reaching. The Islands with small population namely Bamboka, Chowra, Little Nicobar, Pilo Millow, Tilanchang and Trinket in Nicobar have been totally evacuated. The Diesel Gensets have been made available and have been distributed to different Islands. All the affected Islands are provided with satellite telephones and point-to-point communication established including police wireless system. Three Jetties; one each at Car Nicobar, Nancowry (Kamorta) and Nancowry (Champin) are fit for operations.

3. Relief materials (1189 MT food items, 368 MT drinking water, 83 MT medicines/disinfectant, 9975 tents, 36563 torches, 715 Gen. Sets, 82 Pump sets) have been delivered so far. The status of relief materials movement is in [Annexure-III](#).

4. The Ministry of Health is monitoring the situation round the clock. Medical teams, Paramedics, medicines have been dispatched and 10 trauma specialists have joined them.

5. The detailed situation report is in the [Annexure IV](#).

6. The situation report can also be viewed at Web www.ndmindia.nic.in.

(S.K. Swami)
Director (NDM.I)
Tel: 23092698/Fax 23093750
Mobile : 9811061089

ANNEXURE-I

**MINISTRY OF HOME AFFAIRS
NDM DIVISION**

Human lives lost in the wake of Tsunami/ Tide Wave in the Bay of Bengal- 26th December 2004

Name of States/ UT/	Districts/Islands	Human lives lost	Total Persons missing including fishermen	Persons moved to safer places	No. of Relief Camps/persons in the camps
A & N Islands	Bambooka	00	06		Evacuated
	Car Nicobar	336	494	4449	39/20000
	Chowara	39	110	09	Evacuated
	Great Nicobar/ Cambell Bay	102	16	1300	14/4678
	Kondul	38		200	Evacuated
	Kamorta	33	438	300	5/1180
	Katchal	96	4657	100	5/2000
	Little Andaman	37	12	3315	7/ 7000
	Little Nicobar	43			Evacuated
	Middle Andaman	03			
	Nancowry	01	01		19/ 550
	Pilmillow	163			Evacuated
	Trinket	03	224		Evacuated
	Terassa	01	52		8/1500
	South Andaman includes Port Blair	05		2095	13/3995
	Strait Island	00	00	29	
	Total	900	6010*	11797	110/ 40903
Andhra Pradesh	Krishna	27			
	Guntur	12			
	Nellore	20			
	Parkasham	35			
	West Godavari	08			
	East Godavari	03			
	Visakhapatnam	00			
	Total	105	11	34,264	People gone back. All 65 Relief Camps closed
Kerala	Kollam	130			
	Allappuzha	35			
	Ernakulam	5			
		Total	170		22474
Name of States/ UT/	Districts/Islands	Human lives Lost	Total Persons missing including fishermen	Persons moved to safer places	No. of Relief Camps/persons in the camps
Tamil	Chennai	206		30000	25/ 30000

Nadu					
	Cuddalore	606		61054	38/24204
	Kancheepuram	128		60000	44/ 28792
	Kanyakumari	817		46280	62/ 41250
	Nagapattinam	6023		196184	96/91036
	Pudukottai	15		4857	7/ 4857
	Ramanathapuram	6		8350	36/ 8350
	Tiruneveli	4		11170	20/11170
	Thoothukudi	3		13072	23/11625
	Thiruvallur	28		15600	13/4700
	Thanjavur	24		4600	13/ 4600
	Tiruvarur	14		11295	21/ 11295
	Villupuram	47		37500	14/37500
	Total	7921		499962	412/ 309379
Pondi cherry	Karaikal	472			
	Pondicherry	107			
	Total	579	86	70,000	48/ 6750
	Grand Total	9675	6107	638497	605/379506

*Information is based on the Survey being undertaken of inhabited Islands .

Annexure -II
Ministry of Home Affairs
NDM Division

DETAILS OF IMPACT OF THE TSUNAMIS OF 26TH DECEMBER, 2004 - ON THE MAIN LA STATES

Details	Andhra Pradesh	Kerala	Tamil Nadu	Pondicherry	Total
1	2	3	4	5	7
Coastal Length affected in Km	985	250	1000	25	2260
Penetration of water into main land in Km.	0.50-2.0	1-2	1-1.5	0.30-3.0	
Average height of the tidal wave	5 Mtrs.	3-5 Mtrs.	7-10 Mtrs.	10 Mtrs.	
No. of Villages affected	301	187	373	33	894
Population affected (in lakh)	2.11	24.70	8.90	0.43	36.14

Dwelling units	1557	17381	125090	10061	154089*
Cattle lost	195	NR	9367	506	10068
Cropped area (Ha)	790	NR	2666	792	4248

NR = Not Reported.

* There is increase due to increase in reported damage from Kerala and Tamil Nadu.

Note:- The Tsunamis have caused extensive damage in Nicobar Islands , which will require more or less rebuilt/ reconstruction.

ANNEXURE-III
Ministry of Home Affairs
NDM Division

Overall Lifting Position

Total stock lifted as on 04.01.2005 at 0900 hrs	1377.34 MT(668 MT by Air and 709 MT by Ship)
Total stock lifted as on 05.01.2005 at 0900 hrs.	3063.89 MT(755.00 MT by Air and 1187.83 by ship, 1121.20 MT by Train)
Stock planned to be lifted as on 05.01.2005	380 MT (60 MT by Air and 120 MT by Ship, 200 MT by Train)

Status of Relief Materials Movement

Item	Total resources mobilized (in MT)	Already Delivered (in MT)	Lifted/ Delivered on 4 th Jan. 2005	Planned for dispatch/delivery MT
Food items	1245.92	1189.82	962.45	56.10
Water	411.48	368.48	119.50	43.00
Emergency medicines/disinfectants	115.98	83.78	22.15	32.20
Tentage	462.15	281.45	92.50	180.70
Clothing	252.79	201.34	50.50	51.45
Lighting material	30.46	30.45	11.70	0.01
Diesel Gen. Sets./pumps	142.00	108.00	2.40	34.00
House hold items	61.40	61.40	55.90	0.00
Equip. & Machinery	827.18	739.18	369.59	88.00
Total	3549.35	3063.89	1686.69	485.46

Status of delivery of High Priority Items

Item	Quantity already delivered	Dispatched/ delivered as on 04.01.05 at 0800hrs	Planned for dispatch 05.01.05
Water (MT)	368	119	80

Food Packets(MT)	57	38	20
Food Stuff (MT)	1132	925	100
Small Tents (No.)	8534	2260	1000
Large Tents (No.)	1441	800	100
Torches	36563	10000	0
Generators	715	80	20
Pump Sets	82	0	10

Status of deployment of Medical Teams/Disaster Response Teams and Volunteers

Type (number of persons)	Mobilized	Deployed
Specialized Medical Intervention Teams	148	148
Disaster Response Teams	2222	2156
Disaster Volunteers Teams	100	100
Total	2470	2404

No. of Transport Aircrafts made available as on:

(i) 04.01.2005	: 4 IL-76, 1 AN-32, 1 Blue Dart Aircraft, 1 Alliance aircraft (MHA)
(ii) 05.01.05	: 3 IL-76, 8 AN 32 1 Blue Dart Aircraft, 1 Alliance aircraft (MHA) 2 AVRO, 5 MI 8/MI 17

**ANNEXURE- IV
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Detailed situation report on the impact of Earthquake/Tsunami in Indonesia , A & N Islands and other coastal States- Relief, rehabilitation and other follow-up measures

ANDAMAN & NICOBAR ISLANDS

ANDAMAN ISLANDS

Health: There are 11 civil medical teams at Port Blair, In Andaman & Nicobar Islands DGHS and other senior officers of DGHS and ICMR are camping at Port Blair to review the medical relief activities and assist the State Government doctors to provide medical relief. Emergency medicines and disinfectants are being delivered on priority. 120 bed hospital is being operated on INS Magar. Medical relief is under continuous surveillance by MoH. No report of outbreak of epidemics has been received so far. 10 Trauma Specialists are deputed by Ministry of Health and Family Welfare.

Water Supply: 80% pipeline water supply has been restored in Port Blair, 2 fresh water sources have been located in Little Andaman. Quarry Lake (2.5 Km) from Jetty have been connected by motorable road and Fire Tender is being used for supply.

Shipping: Harbour at Port Blair is now fully functional and is receiving large ships. There are 49 Nos. of Jetties in A&N Islands . Of these almost half of them have suffered substantial damage. 25 Nos. are now operational, in which 11 Jetties in Andaman district. A team from Ministry of Shipping is being deputed on 05.1.05 for making assessment of repairs.

Civil Aviation: Port Blair airport which was damaged is now functional. The total air lift capacity from mainland to Car Nicobar and Port Blair has been augmented to 100 MT (Approx) and 20 MT by Civil Aircrafts.

Telecom: 38 telephone exchanges in the North group, middle group and south group of Andaman Islands are now functional. The telephone facilities which were temporarily disrupted are functional. Police wireless has started working and ISRO has established satellite links and efforts are on to restore BSNL network in Little Andaman.

Power : 20 MW capacity in Port Blair is severely affected and as per the assessment of NTPC and CEA, repair could be completed in four weeks time. The power supply has improved to 40%. Pending operationalization of normal power supply, alternative arrangements are being made by deployment of DG sets etc.

Relief and Rescue: Relief measures by UT Administration are continuing. All people from Chowra and Bambooka Islands have been evacuated. 20 Relief camps have been opened in Andaman district and more than 10000 people are staying in these camps.. There is sufficient drinking water supply in Port Blair and water is being air dropped in other Islands . 11 more ships of Ministry of Shipping, Road Transport & Highways are scheduled from Chennai, Visakhapatnam and Kolkatta carrying the passengers and relief materials. Road clearance is being undertaken by CPMFs/ Defence personnel. A team of Ministry of Road Transport & Highway is deputing teams assessments and reconstruction requirements. The situation in various islands is stabilizing gradually. 22 MT of relief materials is planned to be airlifted on 5th January 2005 .

Deployment of CPMFs (Relief Teams)

Name of Islands .	CRPF	CISF	BSF	ITBP	Total
Car Nicobar	--	63	--	51	114
Katchal			254		254
Campbell Bay	150	--	--	--	150
Port Blair	699	16	123	237	1075
Hut Bay		144			144
Grand Total	849	223	377	288	1737

NICOBAR ISLANDS

Shipping: All small harbours and jetties have been damaged and not possible to park any vessels. Efforts on to restore the facilities. Pending restoration of shipping facilities, the supplies are being airlifted. Indian Coast Guards ships have reached Hut Bay and Cambel Bay with relief materials. Three Jetties; one each at Car Nicobar, Nancowry (Kamorta) and Nancowry (Champin) are fit for operations. A team from Ministry of Shipping is being deputed on 05.1.05 for making assessment of repairs Four Ships of Indian Coast Guard are deployed in relief and rescue operations.

Civil Aviation: The airport is functional for Air Force flights for both An-32 and IL-76 flights. The link has been established on the small airstrip at Camp Bell Bay and the Dornier aircraft is operating. Helipad at Katchal is also operational.

Telecommunications: Of the 3 telephone exchanges in Great Nicobar Island, 01 at Campbell Bay is operational, 03 in Car Nicobar Island, 01 at Car Nicobar is functional and 04 at Nicobar group of Islands, 01 at Kamorta is working. 02 others at Katchal, Nancowry and Tereasa are not working. Communication has however been established through satellite Phones in all main Islands where relief measures have been undertaken. BSNL has deputed 6 teams of 18 people along with the equipments to establish point-to- point communication in these Group of Islands. Communication has also been established in all affected islands through Police Wireless.

Power: There are 27 medium and small DG sets of which 20 had been washed away. The remaining 7 are operational and supply power to Car Nicobar, Kamorda and Cambell Bay . DG sets have been dispatched and are operational. 30 DG sets operating in Car Nicobar. Restoration of power at Katchal and Teressa will take some time as complete set up has been washed away.

Road: Efforts for making road clearance between Little Andaman and Hut Bay is under progress. 22 Kms. road has been severely damaged and 2 bridges are damaged. Tractor Detour is being opened. 20 Kms. road opened from Air Field to Muse Jetty. Balance stretch needs major repairs and a team of Ministry of Surface Transport has reached and making assessment for restoration. Ministry of Road Transport and Highways have provided equipment, materials etc. for restoration.

Health: The district hospital at Car Nicobar has been operationalized. The health teams consisting of 04 doctors each have been deployed at Hut Bay , Nancowry and Campbell Bay , specialists are working at Car Nicobar. In addition, 12 doctors from Maharashtra and 03 specialists from Andaman are also placed at Car Nicobar. 05 doctors and 02 staff nurses are deployed at Katchal, 5 nurses at Hut Bay , 11 Nurses at GP Pant and 5 at Campbell Bay . Civil medical teams are operational in Kamorta, Teressa and Katchal. 20 staff nurses have been deployed in worst affected Islands from Central Government Hospitals. Additional 20 Paramedics have been deputed to assist the central medical teams. Medical camps, 3 at Hut Bay , 3 at Car Nicobar and 01 each at Nancowry group, Katchal and Campbell Bay are functioning. Defence personnel have also opened 02 medical camps at Car Nicobar and 01 each at Campbell bay and Hut Bay .

Water: . 01 Drinking water well and 4 water point have been activated with DG sets in Car Nicobar. Temporary water supply through one army and one civil well has been resumed. Restoration work for regular supply is under progress in Katchal. In other islands water is available through wells/ springs and efforts are being made to restore piped water. Air dropping of drinking water is continuing in remote areas.

Rescue and Relief: Of the 38 inhabited islands, 30 islands are affected. Survey of all islands have been completed. The Islands with small population namely Bamboka, Chowra, Little Nicobar, Pilo Millow, Tilanchang and Trinket in Nicobar have been totally evacuated. 14 Ships of Navy and Coast Guards and 16 Aircrafts fixed wings/Helicopters have been pressed in to service for relief and rescue work. Air dropping of (food packets, Drinking water, emergency medicines, household kits, milk etc.) to affected Islands is continuing. A total of 90 relief camps have been opened at 6 Islands in Nicobar districts where about 30,000 people are staying.

01 Relief Commissioner, 04 Special Relief Commissioner and 03 Special Officers have been deputed by the A & N administrations for coordinating relief and rescue operation. 2 IAS, 5 DANICS and 4 DANIPS officers have been assisting A&N administration.

Supply of Petroleum Products (POL)

Full demand of POL products is being met. LPG stocks are being replenished on priority and additional 500 KL Kerosene has been released. ATF at Car Nicobar at Car Nicobar has been tested and found that products meet the specification. 6 ATF re-fuellers are available for dispensing. A dedicated tanker (MT Harsha) carrying 1400 KL ATF, 450 KL SKO and 5000 KL HSD reached Port Blair in the morning of 4th January 2005 from Haldia,. There is sufficient stock to cover Petrol (30 days), Diesel (17 days), Kerosene (21 days), ATF (5 days at Andaman and 38 days at Car Nicobar) and LPG (11 days). LPG tanker is expected to reach Port Blair on 11.1.2005 with sufficient stock to last 75 days. A team of IOC is camping at Port Blair to monitor the stocks & supplies.

MAINLAND (ANDHRA PRADESH, KERALA, TAMILNADU, PONDICHERRY)

Shipping: All seaports harbors are now fully functional including for export consignments.

Civil Aviation: All Airports are functional.

National highway: All national Highway are functional. The Ministry of Surface Transport have constituted and deployed Field level teams in all affected States/UTs for assessment of damage and repairs.

Telecommunications: There was temporary disruption in telecom facilities in the coastal areas. The telecommunication facilities have since been restored.

Supply of Petroleum Products (POL): Full demand of POL products is being met including LPG in the affected areas on priority. Additional Kerosene 10,000 KL each to Tamil Nadu and Andhra Pradesh, 7,000 KL to Kerala and 400 KL to Pondicherry has been released by the Ministry of Petroleum and Natural Gas.

Relief and Rescue:

Andhra Pradesh: the State Government is continuing the relief and rescue operation. 4 Coast Guards ships and 5 Naval ships helped in search and rescue. 101 Stationery medical Teams, 72 mobile medical teams and 568 para medical teams have been deployed to provide medical aid to the victims. The situation has improved considerably and people have since returned to their homes from the relief camps.

Kerala: Relief operations are continuing and Army, Navy and Coast Guards have been assisting the local administration. The priority being accorded to supply of fumigation and disinfectant in affected areas to avoid outbreak of epidemics. Roads have been cleared and supply of drinking has been restored. Adequate medical arrangements have been made. State Government has deployed 224 doctors in the affected areas. The situation has improved considerably.

Tamil Nadu: Relief operations are continuing and Army, Navy and Coast Guards have been assisting the local administration. Two Chetak Helicopters, Two Dornier Aircrafts, Indian Naval ships and one Coast Guard helicopters were deployed at Nagipattnam. Union Health Minister is camping at Chennai and coordinating with the State authorities for providing medical relief and prevent outbreak of epidemics.

Pondicherry : Relief operations are continuing and Army and Navy have been assisting the local administration. One ship of Coast Guard is also engaged in relief and rescue operations in Karikal area.

RELIEF ASSISTANCE FROM STATES

All States/ UTs have responded overwhelmingly and have contributed in the relief funds as well as have sent relief materials and personnel for assisting the affected States/UTs. A brief of relief materials sent/being dispatched from these States to affected States /UTs is as under:

State	Relief Materials	Quantity
Karnataka	Food	54 MT
	Vegetable	10 MT
	Milk	3 MT
	Sugar	1 MT
	Water	55.28 MT
	Medicines/Disinfectants	1.37 MT
	Tents	500 Units
	DG sets	8 MT
	Clothing	0.94 MT
		Total: 133.59 MT
Maharashtra	Food	7.5MT
	Vegetable	11.2 MT
	Water	20.50 MT
	Medicine	4.0 MT
	Tent	8.0 MT
	Clothing	9.0 MT
	Torches	6.0 MT
	DG sets	12.0MT
	Hurricane Lamps	1.0MT
	Total: 79.2 MT	
Orissa	Food	28 MT
	Water	7.3 MT
	Medicine	4 MT

	Tent DG sets	10 MT 6.40 MT Total: 55.7 MT
West Bengal	Water Medicine Tent Blankets Clothes	62 MT 0.20 MT 8.0 MT 11 MT 30 MT Total: 111.20 MT
Delhi	Water Medicine Bleaching Powder Tents Blankets Torches DG sets	21.2 MT 10.50 MT 10 MT 10.40 MT 12 MT 9.0 MT 39.40 MT Total: 112.50 MT
MP	Food Medicine Tent Clothes	3.1 MT 2.0 MT 0.90 MT 1.0 MT Total: 7.0 MT
