

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 States of Tamil Namil 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. 97 aftershocks of intensities between 5.0 to 7.0 on Richter scale have been reported so far. The death toll is now at 9575. This is likely to go up once confirmation regarding 5801 missing persons/feared dead (as per preliminary survey) in the Nicobar Group of Islands is 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. An Integrated Relief Command (IRC) for the Andaman & Nicobar Groups of Islands has become operational and coordinating relief and rescue. Three Central Teams under overall supervision of Secretary (BM), Ministry of Home Affairs have left on 4th January 2005 to visit Tamil Nadu, AP and Kerala for assessment.

3. The focus is on relief, rescue and rehabilitation in Andaman & Nicobar Islands. Disaster Management teams have been constituted in 12 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. The Central Para Military Personnel are helping in this regard. All the Islands have been surveyed and relief supplies have started reaching. The Islands with small population namely Bamboka, Chowra, 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.

4. Relief materials (226 MT food items, 248 MT drinking water, 61 MT medicines/disinfectant, 7798 tents, 26563 torches, 635 Gen. Sets, 82 Pump sets) have been delivered so far. The status of relief materials movement is in [Annexure-III](#).

5. 1737 personnel of Central Para Military Forces including specialists Search and Rescue Teams have been made besides the efforts of Armed Forces. These personnel are engaged in evacuation of people to safer places, disposal of dead bodies, road clearance, relief distribution etc. 80 Doctors and 20 nurses of Central Institutions are deployed in various Islands.

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

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

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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	Neil	00	29		
	Car Nicobar	320	494	3637	8/NR
	Chowara	39	110	09	
	Great Nicobar/Cambell Bay	71	16	816	NR/3912
	Kondul	18		200	
	Kamorta	04	145	300	3/1500
	Katchal	96	4657	100	3/3759
	Little Andaman	37	12	2938	
	Little Nicobar	00			
	Nancowry	05	36		
	Pilmillow	230			
	Trinket	03	230		
	Terassa	01	52		NR/2068
	South Andaman	08	20	1578	11/3993
Strait Island	00	00	29		
	Total	832	5801*	9607	25/ 15232
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@	35/ 222474
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 Nadu	Chennai	206			
	Cuddalore	603			
	Kancheepuram	128			
	Kanyakumari	817			
	Nagapattinam	5995			
	Pudukottai	15			
	Ramanathapuram	6			
	Tirunelveli	4			
	Thoothukudi	3			
	Thiruvallur	28			
	Thanjavur	24			
	Tiruvarur	14			
	Villupuram	47			
	Total	7890		473962	412/ 307939
Pondicherry	Karaikal	471			
	Pondicherry	107			
	Total	578	106	70,000	48/ 6950
	Grand Total	9575	5918	610307 @	520/552595**

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

** The variation is because some people have left relief camps and more camps have been opened in A&N Islands but number of persons is not reported.

@ The reduction is because some people have left relief camps.

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	8.85	0.43	36.09
Dwelling units	1557	17381	124227	10061	153226*
Cattle lost	195	NR	5477	506	6178
Cropped area (Ha)	790	NR	2589	792	4171

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 03.01.2005 at 0900 hrs	1000.54 MT(620.54 MT by Air and 380 MT by Ship)
Total stock lifted as on 03.01.2005 at 0900 hrs.	1377.34 MT(668.00 MT by air and 709.34 by ship)
Stock planned to be lifted as on 04.01.2005	200 MT (80 MT by air and 120 MT by Ship)

Status of Relief Materials Movement

Item	Total resources mobilized (in MT)	Already Delivered (in MT) -Upto 0800 hrs -3 rd Jan, 2005	Lifted/ Delivered on 3 rd Jan. 2005	Planned for dispatch/deliveryMT
Food items	285.61	226.01	23.60	59.60
Water	291.98	248.98	51.80	43.00
Emergency	93.83	61.63	2.80	32.20

medicines/disinfectants				
Tentage	389.65	188.95	0.90	200.70
Clothing	210.84	150.84	64.00	60.00
Lighting material	18.76	18.75	0.00	0.01
Diesel Gen. Sets./pumps	139.60	105.60	14.62	34.00
House hold items	5.50	5.50	2.00	0.00
Equip. & Machinery	459.09	371.09	218.09	88.00
Total	1894.85	1377.34	377.81	517.51

Status of delivery of High Priority Items

Item	Quantity already delivered	Dispatched/ delivered as on 03.01.05 at 0800hrs	Planned for dispatch 04.01.05
Water (MT)	249	52	50
Food Packets(MT)	19	14	15
Food Stuff (MT)	206	10	90
Small Tents (No.)	7157	18	300
Large Tents (No.)	641	0	50
Torches	26563	0	00
Generators	635	29	100
Pump Sets	82	7	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	1944
Disaster Volunteers Teams	100	50
Total	2470	2142

No. of IA Transport Aircrafts made available as on:

(i) 03.01.2005	: 5 IL-76, 1 AN-32, 1 Blue Dart Aircraft, 1 Alliance aircraft (MHA)
(ii) 04.01.05	: 3 IL-76, 1 Blue Dart Aircraft, 1 Alliance aircraft (MHA)

ANNEXURE- IV
No.32-5/2004-NDM-I
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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: In Andaman & Nicobar Islands there are 2 District hospitals, 4 Community Health centers, 20 Primary Health Centres and 107 sub centers. There is a referral Hospital at Port Blair. DGHS and other senior officers of DGHS and ICMR are camping at Port Blair to review the medical relief activities. A team of 40 persons consisting

of doctors, health administrator, technical experts, public health specialists are deployed by the Central Government to assist the State Government doctors to provide medical relief. In the 8 worst affected Islands 3 doctors have been deployed in Car Nicobar, 2 in Little Andaman, 2 in Katchal, 2 in Nancowry, 1 in Chowra, 1 in Teresa. 10 teams of psychiatrists are being sent to A & N Islands to treat the affected victims.

There are 11 civil medical teams at Port Blair, 3 at Hut Bay , 3 at Car Nicobar and 01 each at Nancowry group, Katchal and Campbell Bay . Defence personnel have also opened medical camp 01 at Port Blair, 02 at Car Nicobar, 01 each at Campbell bay and 01 at Hut Bay . Emergency medicines and disinfectants are being delivered on priority. 120 bed hospital is being operated on INS Magar, Civilians are being inoculated and Medical relief is under continuous surveillance by MoH. Medical expert team led by DGHS has arrived in Port Blair for networking health efforts. No report of outbreak of epidemics has been received so far.

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, 14 are non operational and no information is available for 10 Jetties.

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: 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. 11 Relief camps have been opened in Andaman district. 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. The situation in various islands is stabilizing rapidly and life is returning to normalcy in Andaman district except little Andaman which was worst affected in Andaman District. 400 pieces of Poly Roll is being provided by West Bengal and dispatch is being lined up. Indian Coast Guard has deployed 19 Ships, provided 67.3 MT of relief materials and has established 6 medical camps and provided medical relief to more than 2350 people. 6 MT water, 3 MT milk powder and 1 MT sugar was dispatched by Blue Dart Aircraft on 03.1.2005 from Karnataka for A&N Islands .

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. 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.

Telecommunications: 31 Telephone exchanges have been made operational in A&N Islands . 22 satellite Phones are also operational. 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 been established in all affected islands through Police Wireless. 4 STD lines have been restored in Car Nicobar, Video link has been established by NIC. 01 Satellite phone is working in Teressa and Katchal. Telephone exchange has started functioning in Kamorta. ISRO video link is also functioning in Kamorta. Telephone links has been established in Great Nicobar. Restoration of landline and cell phone network is in progress. 30 channels connectivity restored in Great Nicobar, Campbell Bay and Kamorta.

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 Nichohar, 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 New Delhi. Additional 20 Paramedics have been deputed to assist the central medical teams. A Radiographer has been sent to Car Nicobar on the request of A&N Islands health authorities.

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 situation in Car Nicobar Groups of Islands is improving rapidly. 14 Ships of Navy and Coast Guards and 16 Aircrafts fixed wings/Helicopters have been pressed in to service for relief and rescue work. Mass cremation/burial of dead bodies is being undertaken on day-to-day basis. BSF Personnel have disposed off 150 dead bodies, moved 3000 persons to safer places and provided medical treatment to 210 persons in Katchal 1268 persons have been evacuated from Chowra. All dead bodies have been disposed off. Air dropping of (food packets, Drinking water, emergency medicines, household kits, milk etc.) to affected Islands is continuing. 3 relief camps in Kamorta, 8 in Car Nicobar, 01 in Teressa have been opened. 4 adhoc camps have also been opened at Campbell Bay . Relief materials are being distributed with the help of Defence personnel, CPMFs and volunteers including some NGOs.

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

reached for assisting A&N administration. 80 BSF personnel also reached on 3rd January 2005. 78.81 MT of relief materials from Karnataka are being dispatched on 3rd January by road to Chennai for onward shipment.

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, PONDICHERY)

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 Nagipattanam. 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. 4,95,000 food packets, 42,000 water bottles, 26,371 Blankets, 28,742 Sarees, 25,742 Dhotis, 25,742 Towels and 275.62 MT of rice have been distributed to the victims till 3rd January 2005.

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