

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

**Subject: Tsunami impact (26<sup>th</sup> 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 9682. This is likely to go up after details 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. As per the reports from Indian Mission, 7 Indian national have died and 12-15 are reported missing in Sri Lanka ; one in Maldives , 3 in Thailand and 2 in Indonesia .

3. A&N administration have evacuated the people from smaller Islands to 8 Islands; 6 in Nicobar and 2 in Andaman where the relief efforts are concentrated. 41227 persons are in 111 relief camps. All relief camps in Nicobar are being run by the administration. A few camps in Andaman (Port Blair) are being run by Nehru Yuva Kendra Sangathan, Rama Krishna Mission and Marwari Association. Islands from where the population have been completely evacuated are Bamboka, Chowra, Little Nicobar, Pilo Millow, Tilanchang and Trinket in Nicobar. No law and order problem in regard to distribution of relief materials in any of the Islands has been reported. The dead bodies are being retrieved and buried/cremated side by side. The CPMFs are rendering necessary help.

4. 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. Central Para Military and Defence personnel are helping in road clearance and other relief activities. The Ministry of Health is monitoring the situation round the clock and there are no reports of epidemic.

5. As per the field reports received by the Ministry of Shipping, Road Transport and Highways, 162 Km. of National Highways and 462 Km. of State/district highways, 7 bridges and 34 culverts have been damaged due to Tsunami in all mainland States/UTs. Team of officers have been dispatched on 05.1.05 for repair of Jetties and other structures.

6. 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](#).

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

8. The situation report can also be viewed at Web [www.ndmindia.nic.in](http://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- 26<sup>th</sup> 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
<b>A &amp; N Islands</b>	Bambooka	00	06		Evacuated
	Car Nicobar	336	494	4449	39/20000
	Chowara	40	14	09	Evacuated
	Great Nicobar/ Cambell Bay	102	16	1300	14/4678
	Kondul	38			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	14/4319
	Strait Island	00	00	29	
	<b>Total</b>	<b>901</b>	<b>5914*</b>	<b>11597</b>	<b>111/ 41227</b>
<b>Andhra Pradesh</b>	Krishna	27			
	Guntur	12			
	Nellore	20			
	Parkasham	35			
	West Godavari	08			
	East Godavari	03			
	Visakhapatnam	00			
	<b>Total</b>	<b>105</b>	<b>11</b>	<b>34,264</b>	<b>People gone back. All 65 Relief Camps closed</b>
<b>Kerala</b>	Kollam	130			

	Allappuzha	35			
	Ernakulam	5			
	<b>Total</b>	<b>170</b>		<b>22474</b>	<b>35/ 22474</b>
<b>Name of States/ UT/</b>	<b>Districts/Islands</b>	<b>Human lives Lost</b>	<b>Total Persons missing including fishermen</b>	<b>Persons moved to safer places</b>	<b>No. of Relief Camps/persons in the camps</b>
<b>Tamil Nadu</b>	Chennai	206		30000	25/ 30000
	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	16		11295	21/ 11295
	Villupuram	47		37500	14/37500
	<b>Total</b>	<b>7923</b>		<b>499962</b>	<b>412/ 309379</b>
<b>Pondi cherry</b>	Karaikal	476			
	Pondicherry	107			
	<b>Total</b>	<b>583</b>	<b>86</b>	<b>70,000</b>	<b>48/ 6750</b>
	<b>Grand Total</b>	<b>9682</b>	<b>6011</b>	<b>638297</b>	<b>606/379830</b>

\*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 26<sup>TH</sup> 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	0.50-2.0	1-2	1-1.5	0.30-3.0	

land in Km.					
Average height of the tidal wave	5 Mtrs.	3-5 Mtrs.	7-10 Mtrs.	10 Mtrs.	
No. of Villages affected	301	187	376	33	897
Population affected (in lakh)	2.11	24.70	8.90	0.43	36.14
Dwelling units	1557	17381	125194	10061	154193*
Cattle lost	195	NR	9367	506	10068
Cropped area (Ha)	790	NR	2669	792	4251

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 <sup>th</sup> 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.	142.00	108.00	2.40	34.00

Sets./pumps				
House hold items	61.40	61.40	55.90	0.00
Equip. & Machinery	827.18	739.18	369.59	88.00
<b>Total</b>	<b>3549.35</b>	<b>3063.89</b>	<b>1686.69</b>	<b>485.46</b>

#### 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
<b>Total</b>	<b>2470</b>	<b>2404</b>

#### 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, 5 MI 17, 4 Chetak, 1 Dornier

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

**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. Director General Health Services 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. 10 Trauma Specialists have also been deputed. 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, 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. 121 persons and 27 MT of relief materials was carried by India Airlines/Alliance Air on 4<sup>th</sup> January 2005 in 5 flight to Port Blair.

**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. 21 Relief camps have been opened in Andaman district and more than 11000 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. The situation in various islands is stabilizing gradually. 22 MT of relief materials is planned to be airlifted on 5<sup>th</sup> January 2005 .

#### Deployment of CPMFs (Relief Teams)

Name of Islands .	CRPF	CISF	BSF	ITBP	Total
Car Nicobar	--	63	--	51	<b>114</b>
Katchal			254	204	<b>254</b>
Campbell Bay	150	--	--	--	<b>150</b>
Port Blair	699	16	123	33	<b>1075</b>
Hut Bay		144			<b>144</b>
<b>Grand Total</b>	<b>849</b>	<b>223</b>	<b>377</b>	<b>288</b>	<b>1737</b>

The personnel are deployed in search and rescue operation, road clearance, disposal of dead bodies, sanitation activities like spraying bleaching powder, DDT, Phenyl in relief camps, distribution of relief materials, unloading and guarding of relief materials etc. 255 dead bodies have been cremated by BSF cremation party.

#### 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. Jetty at Car Nicobar, Nancowry, Kamorta are operational.

**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:** 2 MB, VSAT has been installed at Car Nicobar and testing of equipment is under progress. Commissioning of the equipment would augment STD lines. Necessary Satellite equipment and OFC equipment sent to Hut Bay for restoration. 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 Teresa 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:** 250 Gensets have been airlifted to Car Nicobar. 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, Kamorta and Cambel Bay. DG sets have been dispatched and are operational. 30 DG sets operating in Car Nicobar. Restoration of power at Katchal and Teresa will take some time as complete set up has been washed away. Power restored partially in Car Nicobar, Kamorta, Great Nicobar and Little Andaman.

**Road:** Efforts for making road clearance between Little Andaman and Hut Bay is under progress. Road clearance is being undertaken with assistance from CPMFs and Defence personnel and Tractor Detour is being opened at the sites of breaches. 20 Kms. road opened from Air Field to Muse Jetty. Balance stretch needs major repairs.

**Health:** The district hospital at Car Nicobar has been operationalized. 23 doctors at Car Nicobar, 5 at Teresa, 4 each at Katchal, Nancowry and Kamorta and 8 at Great Nicobar are deployed. 20 staff nurses have been deployed in worst affected Islands from Central Government Hospitals. Additional 40 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. Medical teams have also been airlifted from Bangalore to Kamorta and from Kolkata to Katchal.

**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. Water supply has been restored partially at Kamorta, Car Nicobar, Teresa, Nancowry and Little Andaman.

**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. 15 Ships of Navy and Coast Guards and 16 Aircrafts fixed wings/Helicopters have been pressed in to service for relief and rescue work. Coast Guard has deployed 20 ships, established 14 relief camps and 01 medical camp in Campbell area. 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. Defence forces have established 20 resettlement colonies and distributed 45 MT of rations in Car Nicobar. 14 Camps established by Navy at Katchal, Teresa, Kamorta and Nancowry. 129 MT of relief materials have been dispatched/delivered to Car Nicobar till 4<sup>th</sup> January 2005. Dog Squad and handlers have been airlifted to Car Nicobar for search operations.

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 4<sup>th</sup> 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. All fuel requirements are being met by IOC.

## **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 Highways 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. Indian Navy diving team is continuing operations in Vellar river in Chennai for clearance of fishing nets and location of dead bodes. Union Health Minister is camping at Chennai and coordinating with the State authorities for providing medical relief and prevent outbreak of epidemics. 16 ships, 09 helicopters and 02 fixed wing aircrafts of Indian Navy are deployed for relief operations.

**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 AS ON DATE:**

**Karnataka:** 302.83 MT of relief materials worth Rs. 14.50 crore .



**Maharashtra** : 792 MT of relief materials

**Orissa**: 171.7 MT of relief materials

**West Bengal** : 111.20 MT of relief materials

**Delhi** : 112.50 MT of relief materials

**MP**: 7.0 MT of relief materials

\*\*\*\*\*