

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

**Subject: Impact of Earthquake in Indonesia , A &N Islands and other coastal States –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. 96 aftershocks of intensities between 5.0 to 7.0 on Richter scale have been reported so far. The death toll is now at 9493. This is likely to go up once confirmation regarding 5809 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. Rs. 250 crore to Tamil Nadu, Rs. 100 crore each to AP and Kerala have been provided from NCCF. Separately Rs. 35 crore to Pondicherry and Rs. 100 crore to A&N Islands has been given. An Integrated Relief Command (IRC) for the Andaman & Nicobar Groups of Islands has become operational. Three Central Teams under overall supervision of Secretary (BM), Ministry of Home Affairs are leaving between 4<sup>th</sup> to 6<sup>th</sup> January 2005 to visit Tamil Nadu, AP and Kerala for assessment.

3. The massive relief and rescue operations mounted by the Government of India in association with States/UTs are continuing. Focus is on establishing communication network, drinking water, restoration of power supply, prevention of outbreak of epidemics and relief & rescue operations in the affected areas of Nicobar Group of Islands where 31 Telephone exchanges have been made operational, 22 satellite phones are functional, most of the affected islands have been connected with Police Wireless which has enhanced the communication facilities. 40% of the normal power supply has been restored in Port Blair. 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.

4. The situation in various islands in Andaman district is stabilizing rapidly and life is returning to normalcy except little Andaman, which was worst affected in Andaman District. Situation is improving in other islands. Water supply has been restored at Katchal and Kamorta islands.

5. Relief materials (211.41 MT food items, 197.18 MT drinking water, 58.83 MT medicines/disinfectant, 7798 tents, 22563 torches, 688 Gen. Sets/Pump sets) have been delivered so far. The status of relief materials movement is in [Annexure-III](#)

6. 1362 personnel of Central Para Military Forces (additional 58 BSF personnel on way) including specialists Search and Rescue Teams; 80 Doctors and 20 nurses of Central Institutions are deployed in various Islands besides the efforts of Armed Forces.

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).

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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- 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>	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		
	<b>Total</b>	<b>832</b>	<b>5801*</b>	<b>9607</b>	<b>25/ 15232</b>
<b>Andhra Pradesh</b>	Krishna	35			
	Guntur	04			
	Nellore	20			
	Parkasham	36			
	West Godavari	08			
	East Godavari	03			
	Visakhapatnam	00			
	<b>Total</b>	<b>106</b>	<b>7</b>	<b>33,864</b>	<b>People gone back. All 65 Relief Camps closed</b>
<b>Kerala</b>	Kollam	130			
	Allappuzha	31			
	Ernakulam	5			
	<b>Total</b>	<b>166</b>	<b>2</b>	<b>39843@</b>	<b>48/ 39843</b>
<b>Tamil Nadu</b>	Chennai	206			
	Cuddalore	603			
	Kancheepuram	124			
	Kanyakumari	817			
	Nagapattinam	5925			
	Pudukottai	15			
	Ramanathapuram	6			
	Tiruneveli	4			
	Thoothukudi	3			
	Thiruvallur	28			
	Thanjavur	24			
	Tiruvarur	12			
	Villupuram	47			
	<b>Total</b>	<b>7814</b>		<b>472515</b>	<b>402/ 307939</b>
Pondicherry	Karaikal	468			
	Pondicherry	107			
	<b>Total</b>	<b>575</b>	<b>106</b>	<b>70,000</b>	<b>48/ 8140</b>
	<b>Grand Total</b>	<b>9493</b>	<b>5924</b>	<b>625829@</b>	<b>523/371154**</b>

\*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

1800 hrs. 03.01.05

#### DETAILS OF IMPACT OF THE TSUNAMIS OF 26<sup>TH</sup> DECEMBER, 2004 - ON THE MAIN LAND 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	362	33	883
Population affected (in lakh)	2.11	24.70	6.91	0.43	34.15
Dwelling units	1557	11832	112748	10061	136198
Cattle lost	195	NR	5477	506	6178
Cropped area(Ha)	790	NR	2589	792	4171

NR = Not Reported.

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

### ANNEXURE-III

1800 hrs. 03.01.05

Ministry of Home Affairs  
NDM Division

#### Overall Lifting Position

Total stock lifted as on 02.01.2005 at0900 hrs.

724.71 MT ( 389.71 MT by Air and335.00 by Ship)

Total stock lifted as on 03.01.2005 at0900 hrs.

1008.54.71 MT

Stock planned to be lifted as on 03.01.2005

388 MT ( 128 MT by air and 260 MT by Ship)

#### Status of Relief Materials Mvment

Item	Total resources mobilized (in MT)	Already Delivered (in MT)	Delivery being done on 3 <sup>rd</sup> Jan. 2005	Planned for dispatch/deliveryMT

		-Upto 0800 hrs – 2nd Jan, 2005		
Food items	281.51	211.41	73.83	70.10
Water	240.18	197.18	99.75	43.00
Emergency medicines/disinfectants	91.13	58.83	12.70	32.30
Tentage	388.75	188.05	46.00	200.70
Clothing	147.84	86.84	15.80	61.00
Lighting material	18.76	18.75	1.25	0.01
Diesel Gen. Sets./pumps	124.98	90.98	30.80	34.00
House hold items	3.50	3.50	0.00	0.00
Equip. & Machinery	241.00	153.00	0.00	88.00
<b>Total</b>	<b>1537.65</b>	<b>1008.54</b>	<b>280.13</b>	<b>529.11</b>

#### Status of delivery of High Priority Items

Item	Quantity already delivered	Dispatched as on 02.01.05 at 0800hrs	Planned for 03.01.05
Water (MT)	197	61	58
Food Packets(MT)	6	00	02
Food Stuff (MT)	206	54	55
Small Tents (No.)	7157	730	1500
Large Tents (No.)	641	385	00
Torches	22563	1700	00
Generators/pump sets.	688	208	130

#### 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	1890	1704
Disaster Volunteers Teams	100	100
<b>Total</b>	<b>2138</b>	<b>1952</b>

#### No. of IA Transport Aircrafts made available as on:

(i) 02.01.2005	: 6 IL-76 & 2 AN-32
(ii) 03.01.05	: 5 IL-76 & 1 AN-32
(iii) One Bludart cargo aircraft with a capacity of 12 MT has been arranged for movement of relief materials.	

### 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

**Shipping:** One harbour at Port Blair is now fully functional and is receiving large ships.

**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 in Little Andaman. ISRO has established links and efforts are on to restore BSNL network in Little Andaman. Telephone links has been established in Great Nicobar. Video link is functional.

**Power :** Entire power supply in A & N Islands is through D.G. sets. 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. Two units of 10 MW and one unit of 1 MW has been made operational. The power supply has improved to 40%. Pending operationalization 100% power supply, alternative arrangements are being made by transferring one 15 MW set from Rangat to Port Blair. In addition, DG sets etc are also being arranged from different locations. It is expected that 70% of the normal supply will be obtained in two weeks and 80 % in three weeks. The power situation is normal in middle Andaman Island. In other Islands arrangements are being to restore the power supply.

**Relief and Rescue:** Relief measures by UT Administration are continuing. 11 Relief camps have been opened in Andaman district. Indian Naval Ship (Jyoti) deployed in eastern coast of Tamil Nadu has been diverted to A& N. There is sufficient drinking water supply in Port Blair and surplus 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 material. 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, evacuated 1330 persons has established 6 medical camps and provided medical relief to more than 2350 people. Ministry of Road Transport and Highways are provided Bulldozers (2), Power Sawa (6), Gensets (8), 20 HP Water Pump (1), GI Pipes (6000 Mtrs), Cement (100 MT), Steel Pipes (1000 Mtrs) etc. for relief and rescue 12 Km road have been cleared from Air Force Station to MUS Jetty. 30 DG sets are operational. 01 Drinking water well and 4 water point have been activated.

30 MT of food have been delivered at Carnic from Port Blair. 13 MT food have been delivered at Cambell Bay. Additional 23 MT relief materials has been delivered to Kamorta by ship. 7.7 MT of food, water and medicine have been airdropped by MI-18 helicopters at Katchal area in Carnic, 10 MT in Little Andaman, 15 MT in Kamorta Group and 10 MT in Campbell Bay. A total of 7256 people have been evacuated including 1577 Defence personnel. 23 MT relief materials supplied to Kamorta Group and 50 MT by naval ships to Little Andaman. 10 MT of food and water to Kamorta group.

## **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. The Navy is making arrangements to reach supplies to Car Nicobar through ferry by boats by Ship to the shore. Indian Coast Guards ships have reached Hut Bay and Cambel Bay with relief materials. Two Jetties are likely to be made functional in next 24hrs. Four Ships of Indian Coast Guard are deployed in relief and rescue operations and for evacuated 56 persons from East-South road, Gandhi Nagar.

**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:** The telephone lines and equipments completely washed away. 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 and INMARSAT are operational in Car Nicobar.

01 Satellite phone is working in Teressa and Katchal. Telephone exchange has started functioning in Kamorta. ISRO video link is also functioning in 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 Nicobar, Kamorda and Cambell Bay . DG sets have been dispatched and some of them have been made operational and it is expected that in a day or two, all these D.G sets will be operational.

**Health:** 32 medical officers and 20 nurses from National level are assisting the A&N Administration. Additional 10 paramedics are being deployed. Emergency medicines and sanitation items (3 MT) have been delivered till 2<sup>nd</sup> January. 120 bed hospital is being operated on INS Magar, Civil medical teams are operational in Kamorta, Teressa and Katchal. 400 Civilian inoculated.

**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. 1268 persons have been evacuated from Chowra. All dead bodies have been disposed off. A total of 14 relief camps are working in Nicobar district and more than 11000 persons are staying. To prevent the outbreak of epidemics supply of drinking water in the Nicobar Group of islands has been accorded priority. 22 Km. Road made motorable between Port and District Hqr.

Relief materials (food packets, Drinking water, emergency medicines, household kits, milk etc.) are being received and airdropped/dispatched to affected Islands . One Joint Secretary from MHA is camping at Nicobar / Andaman Islands and coordinating relief and rescue operations. 2 IAS, 5 DANICS and 4 DANIPS officers have reached for assisting A&N administration. 80 BSF personnel also reached on 3<sup>rd</sup> January 2005. 78.81 MT of relief materials from Karnataka are being dispatched on 3<sup>rd</sup> January by road to Chennai for onward shipment. It is reported that situation in Car Nicobar Group of Islands is expected to return to normalcy by 04.01.2005 except water and power supplies.

#### **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 ATT. A dedicated tanker (MT Harsha) with carrying 1400 KL ATF, 450 KL SKO and 5000 KL HSD has been detailed for supplies to Port Blair from Haldia, which is expected to reach Port Blair on 04.01.2005. There is sufficient stock to cover Petrol (30 days), Diesel (18 days), Kerosene (21 days), ATF (7 days at Andaman and 50 days at Car Nicobar) and LPG (14 days).

### **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 relief and rescue operation are being continued by the State Government. 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. Out of 2.07 lakh people staying in relief camps, about 1.5 lakh have returned to their homes.

**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.

The Government of Tamil Nadu has requested for 231 Water Treatment Plan (20 KL), 231 Gensets (15-1100 KVs), 1155 PVS Tanks (100 ltrs and above), 155 Soler Lanterns, 3-20 Tons Cranes and 36,000 No. of Tarpoline (75 Sq. feet). Arrangements are being made to mobilize and dispatch the above items.

**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. 9600 Sarees, 14,800 Bed Sheets, 15100 Dhotis/Lungies, 15000 Towels, 26200 Blankets and 3200 Slippers/Chappals are being sent by Karnataka to Karaikal by road for distribution to the victims.

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