

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. 97 aftershocks of intensities between 5.0 to 7.0 on Richter scale have been reported so far. The death toll is now at 9571. 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 massive relief and rescue operations mounted by the Government of India in association with States/UTs are continuing. Focus is on establishing communication network, supply of food and drinking water, restoration of power supply, prevention of outbreak of epidemics and relief & rescue operations in the affected areas of Nicobar Group of Islands . 80% pipeline water supply has been restored in Port Blair, three water points have been established with DG sets in Car Nicobar, and in other islands water is available through wells/ springs and efforts are being made to restore piped water. 31 Telephone exchanges have been made operational, 22 satellite phones are functional and most of the affected islands have been connected with Police Wireless which has enhanced the communication facilities. Power has been restored in Nancowry Group and Kamorta, Emergency power has been established in Port Blair & Great Nicobar, 30 DG sets operating in Car Nicobar. 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.

5. Relief materials (226 MT food items, 248 MT drinking water, 61 MT medicines/disinfectant, 7798 tents, 26563 torches, 635 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 including specialists Search and Rescue Teams have been made available to A&N Administration 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 .

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

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

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ANNEXURE-I

1000 hrs. 04.01.05

**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	35			
	Guntur	04			
	Nellore	20			
	Parkasham	36			
	West Godavari	08			
	East Godavari	03			
	Visakhapatnam	00			
		Total	106	7	33,864
Kerala	Kollam	130			
	Allappuzha	31			
	Ernakulam	5			
		Total	166		39686@
Tamil Nadu	Chennai	206			
	Cuddalore	603			
	Kancheepuram	128			
	Kanyakumari	817			
	Nagapattinam	5995			
	Pudukottai	15			
	Ramanathapuram	6			
	Tiruneveli	4			
	Thoothukudi	3			
	Thiruvallur	28			
	Thanjavur	24			
	Tiruvarur	14			
	Villupuram	47			
		Total	7890		473962
Pondicherry	Karaikal	470			
	Pondicherry	107			
		Total	577	106	70,000
	Grand Total	9571	5914	627119@	532/369807**

*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

1000 hrs. 04.01.05

DETAILS OF IMPACT OF THE TSUNAMIS OF 26TH 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	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

1000 hrs. 04.01.05

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 medicines/disinfectants	93.83	61.63	2.80	32.20
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

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 satellite links and efforts are on to restore BSNL network in Little Andaman.

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 normal 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 Islands. In other Islands DG sets are being deployed to restore the power supply.

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, evacuated 1330 persons has established 6 medical camps and provided medical relief to more than 2350 people. Ministry of Road Transport and Highways have provided Bulldozers (2), Power Saws (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.

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. Telephone links has been established in Great Nicobar. Video link is functional.

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. Emergency power has been established in Port Blair & Great Nicobar, 30 DG sets operating in Car Nicobar.

Water Supply

80% pipeline water supply has been restored in Port Blair, three water points have been established with DG sets in Car Nicobar, and in other islands water is available through wells/ springs and efforts are being made to restore piped water.

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 disinfectants are being delivered on priority. 120 bed hospital is being operated on INS Magar, Civil medical teams are operational in Kamorta, Teressa and Katchal. 400 Civilian were inoculated. 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.

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. 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 3rd January 2005. 78.81 MT of relief materials from Karnataka are being dispatched on 3rd 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. 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.

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. 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 by States 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(10KV)	8 MT
	Clothing(Nos.)	0.94 MT
Maharashtra	Food	7.5MT
	Vegetable	11.2 MT
	Water	20.50 MT
	Medicine	4.0 MT
	Tent	8.0 MT
	Clothing(Nos.)	9.0 MT
	Torches	6.0 MT
	DG sets	12.0MT
Hurricane Lamps	1.0MT	

Orissa	Food Water Medicine Tent (500 pcs.) DG sets	28 MT 7.3 MT 4 MT 10 MT 6.40 MT
West Bengal	Water Medicine Tent Blankets Clothes	62 MT 0.20 MT 8.0 MT 11 MT 30 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
MP	Food Medicine Tent Clothes	3.1 MT 2.0 MT 0.90 MT 1.0 MT