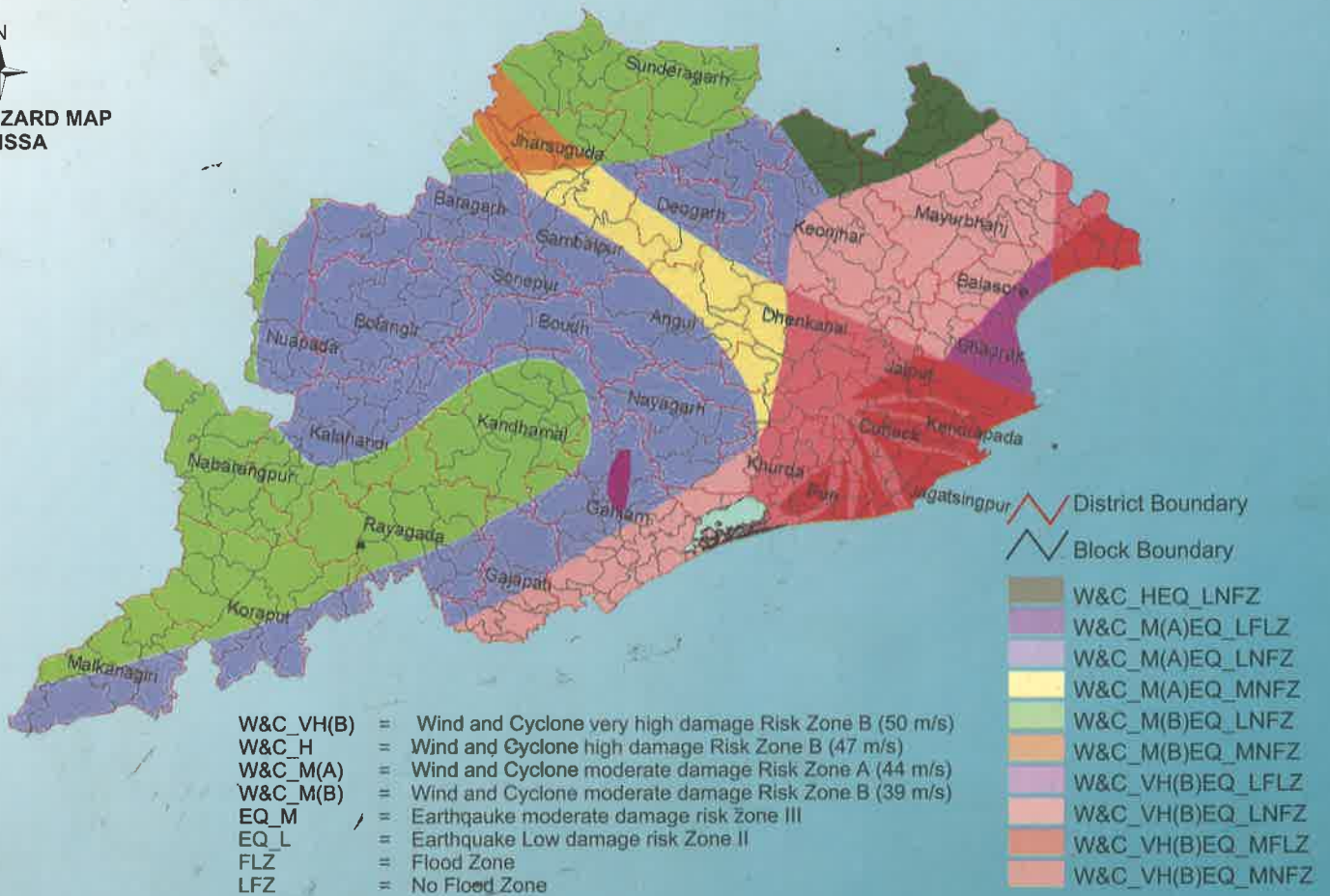


ANNUAL REPORT 2003-04



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**MULTI HAZARD MAP
 ORISSA**



ORISSA STATE DISASTER MITIGATION AUTHORITY
 (A GOVERNMENT OF ORISSA AGENCY)

Source: Vulnerability Atlas, BMP/IC, Govt. of India

ANNUAL REPORT
2003-04

OSDMA

ORISSA STATE DISASTER MITIGATION AUTHORITY
Rajiv Bhawan, Unit - V
Bhubaneswar - 751 001, Orissa

ANNUAL REPORT 2003 - 04

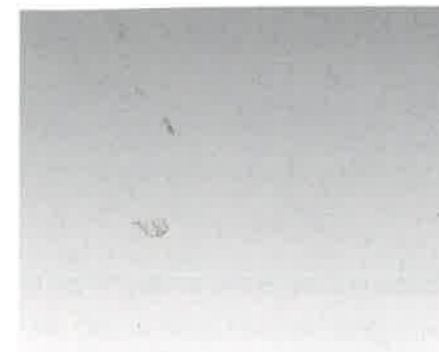
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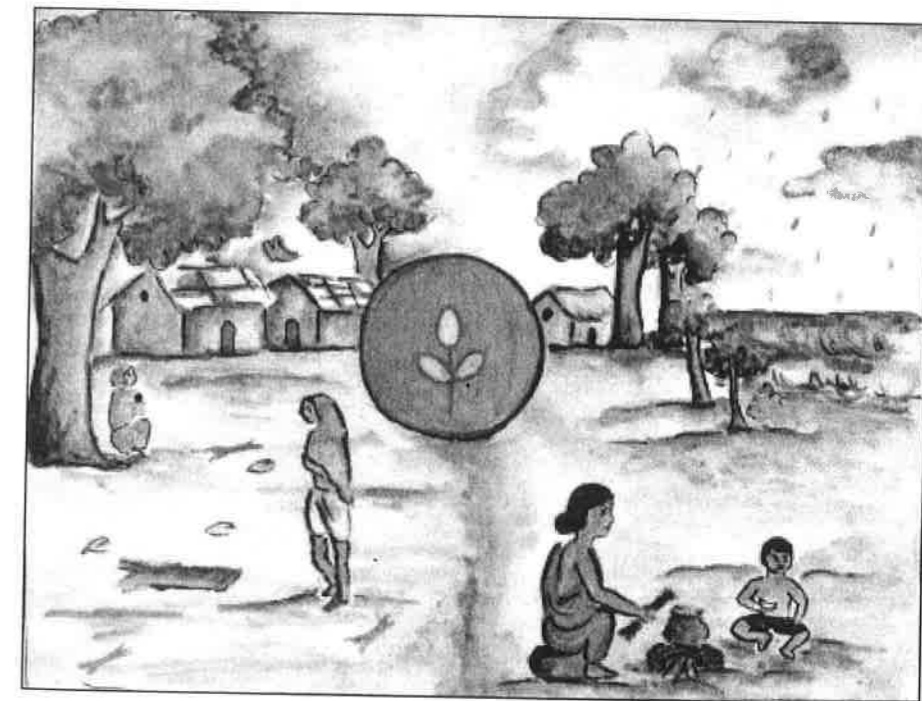
Introduction

Introduction

The report places on record the activities undertaken by the Orissa State Disaster Mitigation Authority (OSDMA) and the progress made in different fields during the year 2003-04.

OSDMA continued the unfinished work of the previous year; the post-super cyclone reconstruction work was pursued vigorously and several new initiatives were taken up to reduce the vulnerability of the people to natural calamities.

OSDMA worked under the overall supervision of the Revenue Department and in close collaboration with the other Departments, the Special Relief Organisation, the Ministry of Home Affairs (NDM Division), the UN agencies, bilateral and multi-lateral funding agencies and the civil society.



Painting by Sanghamitra Paikaray

PROJECTS WITH WORLD BANK ASSISTANCE

An agreement had been signed with the World Bank in December 2000 for executing projects to the tune of USD 50.60 million. The projects had the following objectives:

Rehabilitation of Public Infrastructure: Rebuilding and repairing damaged irrigation, drainage, rural and urban water and sewerage systems, roads, bridges and power systems, in the cyclone-affected areas.

Rehabilitation and Retrofitting of Social Infrastructure: (i) Repair and reconstruction of schools, health institutions and community shelters/centres; NGOs' services and training to enhance awareness of the need for cyclone resistant designs and construction methods; and (ii) procuring equipment for setting up Agro Service Centres for providing agro services to farmers affected by the cyclone.

Capacity Building for Natural Disaster Management: Preparation of plans for building prevention, mitigation and management skills of public sector agencies and conducting studies in such areas as vulnerability assessment, micro-zoning, land use mapping, hydrological / hydro-geological research, drainage and flood protection and preparation of new building codes for cyclone-resistant buildings and provision of equipment, and NGOs' services and training.

Social Capital Restoration: Strengthening social cohesiveness through community-based initiatives for restoring livelihoods and environment and enhancing disaster preparedness and other related activities.



River Training Work, Musadihi

ORGANISATION

Orissa State Disaster Mitigation Authority (OSDMA) was set up as an autonomous organisation; vide Finance Department Resolution No. IF(C)-74/99. 51779/F dated the 28th December 1999. It was registered under Societies Registration Act, 1860 on 29.12.1999 as a non-profit making institution for the interest of the people of Orissa, with its headquarters at Bhubaneswar and jurisdiction over the whole State. The Department of Revenue is the administrative department of OSDMA (Revenue Department Resolution No. 39373/R dated the 26th August 2000).

Project Management : The projects were managed with a view to reducing the vulnerability of the state by making provision of equipment and the operation and maintenance of such equipment by engaging staff and consultants and by utilizing the services through the provision of volunteers and other stakeholders.

The implementation of the project part was left to Works, Rural Development, Water Resources and Housing and Urban Development Departments of Government of Orissa and the Agricultural Promotion and Investment Corporation of Orissa Ltd. (APICOL). OSDMA acted as a link between the World Bank and these departments. It monitored the execution of works laying particular emphasis on the adoption of the required quality standards as per World Bank norms.

The World Bank funds were accessed through reimbursement, which depended on the progress of work by the line department concerned and submission of reimbursement claims.

The World Bank-assisted projects are scheduled to be completed by the end of September 2004. The table in the next page shows the progress achieved.

Agro-Service Centres

In order to build the capacity of farmers, particularly in cyclone affected areas, it was decided to set up 500 Agro Service Centres, through which agricultural machinery and equipment required for various operations would be made available to the farmers on hire basis. Accordingly, beneficiaries were selected through a transparent procedure, and their proposals were sent to financing institutions/banks for sanction of loans. Procurement in all 500 cases has been completed amounting to Rs. 10 crore. Financial assistance amounting to 40% of the project cost subject to an upper limit of Rs.2, 00,000/- was made available in favour of each Agro Service Centre after completion of the project. The programme was implemented by APICOL through Krishi Sahayak Kendras. A well-defined procedure was evolved for smooth execution of the project and to avoid delay in the process of disbursement of financial assistance. These ASCs will enable farmers to improve productivity, reduce the cost of production and carry out timely agricultural operations.



Compaction

LOCATION

The office of Orissa State Disaster Mitigation Authority is located on two floors -- the 2nd and the 9th-- of Rajiv Bhawan, to the south-west of the Orissa Secretariat building. The office was originally housed on the 9th floor; with its expansion, a few sections were shifted to the second floor in September 2001.

STATUS OF THE WORLD BANK ASSISTED PROJECTS AS ON MARCH 31, 2004

Sl. No.	Projects	Packages programmed	Value (Rs. Cr.)	Packages completed	Packages in progress	Total value of work done (Rs. Cr.)	Cumulative amount paid (Rs. Cr.)
1	Roads (R.D)	60	59.92	28	27	47.78	43.51
2	Roads (Works)	48	35.71	26	17	27.73	26.44
3	Roads (H&UD)	48	16.36	32	16	15.32	12.85
4	Irrig. Infra. (DoWR)	321	64.07	246	39	59.53	53.32
5	Irrig. Infra. (Phase-II)	74	49.96	3	63	25.07	20.66
6	RWSS	64	2.79	52	12	2.61	2.16
7	Urban Water Supply	20	7.33	14	4	3.68	2.72
8	Cyclone Shelters (37 Shelters)	34	18.33	6/7	27/29	8.83	5.58
9	Agro Service Centre (500 ASCs)	1	10.00	1/500	0	10.00	9.96
	Total	670	264.47	408	205	200.54	177.19
10	Miscellaneous					12.39	12.39
	Grand Total					212.93	189.58

NB : 54 packages rescinded / dropped / closed; work to commence in 03 packages.

Social Capital Restoration Programme

Social Capital Restoration Programme (SCRP) is a sub-component of the World Bank - assisted OWRCP-Part-H project, which was implemented in cyclone affected areas by OSDMA through partner organisations. The selection process involved computerised screening, appraisal and consultation with applicants. Out of 351 applicants, only 114 were screened in; out of which 50 were invited for interview after a process of appraisal based on formats cleared by the World Bank. Finally, 31 were selected for award of the project on the basis of interview. However, 30 organisations signed Agreements with OSDMA to implement the project. The Committee on SCRCP consisting of representatives from government, civil society and UN agencies took active part in monitoring the process of screening, appraisal and final selection of the partners. The project period for implementing SCRCP activities is from 1st March to 30th September 2004. SCRCP aims at enhancing "social cohesiveness for strengthening disaster preparedness and development" through community level initiatives. SCRCP focuses on capacity building, networking, community work camps, and other innovative activities such as action research, training material development, etc. The table below provides information on SCRCP activities being implemented by the partner organisations.

Sl. No.	Partner Organisation	Programme Area	Activities
1	Action Aid	Jagatsinghpur District	Development of 3 Handbooks/ Training Manuals on Disaster Mental Health and pilot training programmes
2	VHAI-Aparajita	5 GPs of Kujang Block, Jagatsinghpur District	CBDP, work camps for extending 2 artisans' worksheds; supporting artisans, SHG training, PRI training. Bamboo plantation, Handbook on Emergency Health
3	CYSD	72 villages in Balikuda Block, Jagatsinghpur District	CBDP, ToTs in Disaster Management; Orientation on Social Capital Building, setting up Agro-service centre, floriculture units for farmers, poultry units for SHGs.
4	CPSW	5 villages in Balikuda Block, Jagatsinghpur District	CBDP-training, early warning equipment support, IEC; workshops on Social Capital and environment management; Work Camps for land up-gradation for Alternative Crops; CBO strengthening; setting up 5 community centres, vocational training (tailoring), work camps for flood protection measures
5	COPHEE	20 villages in Jajpur Block in Jajpur District	CBDP-street plays, EIC material; ToT, mason training; Orientation on CBO Management and Social Capital building, Street plays on Social Capital, Vocational Training (food processing); bamboo craft training-cum-production centre, 2 community Cereal Processing Units; 2 Grain/Seed Banks;

Sl. No.	Partner Organisation	Programme Area	Activities
6	Tagore Society for Rural Development	6 villages in Barang and Baliana Blocks in Khordha and Cuttack Districts.	CBDP; capacity building of SHGs and CBOs, setting up of 1 adult education centre, work camps for a) renovation of community ponds, and b) restoration of village communication links; Livelihood- tailoring training, Goatary support to SHGs, pisciculture, fruit plantation, kitchen garden.
7	Orissa Red Cross Society	Kendrapara District	Strengthening 20 cyclone shelter management committees, CBDP Task Force training in 20 cyclone shelter villages, CBDP tool kits, training manual on shelter management, district level consultation on SCRPs and CBDP.
8	Bharat Gyan Vigyan Samiti (BGVS)	Bhadrak District	Strengthening 20 cyclone shelter management committees, CBDP Task Force training in 20 cyclone shelter villages, CBDP tool kits, training manual on shelter management, district level consultation on SCRPs and CBDP
9	Committee for Legal Aid to Poor (CLAP)	Cyclone affected coastal districts	Development of Handbook on legal issues and peoples' entitlements relating to disaster management, strengthening of network of NGOs providing legal aid (VASUDEVA), formation of district level legal aid committees; workshops for and development of database on VASUDEVA members
10	Orissa Institute of Medical Research and Health Services	Kendrapara, Puri, Cuttack, Ganjam, Jagatsinghpur Districts	Development of Handbook and Training tools on Emergency Health Care (EMC) for paramedical staff, Contingency Planning and TOT on EMC at District level
11	Orissa Voluntary Health Association	Kendrapara, Puri, Cuttack, Ganjam, Jagatsinghpur Districts	Strengthening of NGO network for EMC, Setting up of block and district level EMC network centres, EMC Training and Contingency Planning at Block levels, Web-based Data Base on EMC Network, state level workshop on EMC network.
12	School for Women Studies, Utkal University	Jagatsinghpur District	Action Research Study on "Role of Women in Disaster Management"; Development of Training Manual for strengthening womens' role in CBDP, pilot training programme
13	Lok Bikash	Kaimatia G.P., Badachana Block, Jajpur District	CBDP; Training of women SHGs, farmers' groups, Forest Management Committees, PRI members; Work Camps for (a) renovation of 3 ponds, (b) completion of 3 unfinished village council centres, (c) land levelling (100 Acres); 2 Grain Banks
14	SOLAR	26 villages in Banakhandi & Mahalpada GPs, Gop Block, Puri District	CBDP; Livelihood- Banana nursery, bamboo plantation; Work Camps for a) renovation of 10 community ponds, b) setting up 4 seed banks, c) incense stick training-cum-production centre for women SHGs; Community Orientation on social capital;
15	Society for Weaker Community	10 villages in Tihidi Block, Bhadrak District	CBDP training; Community level social capital building, Livelihood- Irrigation management training and supply of equipment to farmers; setting up of 3 food processing training-cum- production centres and kitchen garden for SHGs; resource and training support for 200 women of BPL families;
16	Pallishree	20 villages of 5 GPs in Dharmasala Block, Jajpur District	CBDP; Village level social capital building; Livelihood-goatary support to 60 BPL families; setting up women milk cooperative society with resource support for 30 women from BPL families; irrigation facility support/ training to 3 water user groups
17	Darbar Sahitya Sanshad	25 villages in Balipatna Block, Khordha District	Village level social capital building; Golden grass craft training to 40 women artisans; coir craft training to 40 women artisans; setting up of 2 community craft centres through work camps; Booklet and orientation on disaster linked insurance; State -level exhibition/workshop on handicrafts for marketing linkage
18	Orissa Multi-purpose Development Centre	8 villages in Garadpur Block, Kendrapara District	Training and Irrigation Equipment support to farmers' groups; Setting up and handing over 10 LI Points to water user groups, goatary support to 100 destitute women, Village level social capital building;

Sl. No.	Partner Organisation	Programme Area	Activities
19	Breakthrough Appropriate Technology Transfer Network (BATNET)	12 villages in Brahmanasahi G.P, Rajnagar Block, Kendrapara District	Training - CBDP, Alternative IGP; training on SHG and PRI in CBDP; Demonstration of alternative cropping and IGP models with irrigation support; off rainy season crop through LI from creeks, energy/ mangrove plantation.
20	Institute of Social Sciences (ISS)	Cyclone affected coastal districts	Documentation on entitlement issues in disaster management within Panchayatiraj framework, Preparation of a Handbook and Training Manual for strengthening on role of PRIs in disaster management; Publication, Workshop, and Circulation of Handbook and Training Manuals, ToT at state level
21	Unnayan	21 villages in Balikuda (Jagatsinghpur); Kakatpur (Puri), Garadpur & Marsha-ghai (Kendrapara) and Rasgobindpur (Mayurbhanj)	CBDP; Orientation on social capital for PRI members, Handbook on alternative cash crops; Technical Support and Marketing Linkage for farmers' groups, Demonstration of Cash Crops; Promotion of crop insurance and irrigation insurance; Work Camps for setting up of pump houses and water tanks for existing 21 community LI Points, Community Grain Banks.
22	Voluntary Association for Rural Reconstruction and Appropriate Technology	30 villages in 7 G.Ps of Mahakalapada Block, Kendrapara District	CBDP reorientation in 30 villages; Village level social capital orientation; sensitisation camp for 50 SHGs; workshop on women in disaster management, Community Fund for disaster management, Work Camps for (a) raising gheri bonds, (b) 2 community flood mounds, (c) completion of multipurpose community centre and d) community nursery for plantation.
23	AKSS	25 villages in Kanas Bock, Puri community	CBDP; reorientation on social capital; Agricultural support (seeds and fertiliser) to 500 farmers; Kitchen Garden support to 1000 families; Work Camps for setting up a) community craft training -cum- production centre through work camps, b) 1 agro service-cum-training centre, Training of farmers/SHGs
24	Ankuran	25 villages in Raghunathpur Block, Jagatsinghpur District	Work Camps for setting up a) 20 L.I. Points for marginal farmers' groups, b) 1 agro service -cum-training centre; Workshops for PRI members, water users associations and forums, SHGs and CBOs.
25	Jana Jagarāna Kendra (JJK)	Khajurikata and Pohali of Hindol and Odapada Block of Dhenkanal District	Orientation on social capital; Work camps for setting up 2 training-cum-production centres for craftsmen through; Skill training for fresh artisans and design up-gradation training for artisans in Dhokra casting; Tool kit support for artisans; Data base on NGOs working with artisans; networking, building up artisans guilds, demonstration workshop for market linkage.
26	Nature's Club	5 villages in Gupti GP in Rajnagar Block, Kendrapara District	Community orientation on social capital; Livelihood- (goatary, duckery, fishery) support to 100 BPL families; Work Camps for renovation of 6 community ponds; resource assistance to 6 groups for pisciculture, Community level Training on agriculture, livestock, RCH, first-aid, Nursery for plantation;
27	Utkal Bikash Parishad (UBP)	5 villages in Tangi-Choudwar Block, Cuttack District	Community sanitation: production and distribution of 334 sanitary latrines, community awareness, pond renovation, sanitation committees
28	Utkal Sevak Samaj (USS)	Sofa GP in Tangi-Choudwar Block, Cuttack District	Community orientation on social capital, women rights, sanitation, drinking water; Work camps for setting up a) 1 multi-purpose community centre, b) 1 agro-service cum training centre, c) renovation of 7 ponds; 1 seed-cum-grain bank; IGP support to 75 women headed families; leaf-plate making production units for SHGs; community nursery
29	LIPICA	Patrapur Block, Ganjam District	CBDP; Awareness raising; Work camps for a) renovation of 5 ponds b) 1 Agro-service centre, c) 5 community grain banks; Agricultural support to 500 farmers; IGP- livestock (goat/bull calf) support to 100 women SHG members;
30	Bhodol Milk Producers' Coop Society (BMPCS)	30 villages in Kantapada Block, Cuttack District	CBDP (kits + mock drills); Orientation on social capital; SHG Training on IGP; Training cum Production Shed for SHGs; Low Cost Housing Demonstration and Mason Training cum Exposure; Livelihood Training and Demonstration;

CALAMITY RELIEF FUND WORKS

By March 2004, a total of 11 packages (4 urban roads for Rs. 71.51 lakh, 3 roads under Works Deptt for Rs. 714.00 lakh & 4 Irrigation infrastructure works for Rs. 97.33 lakh) were taken up out of CRF funding. 9 package for Rs. 304.61 lakh was completed. The remaining 2 packages were in different stages of progress.

Emergency Equipment

As on March 31, 2004, a total of 20 types of emergency equipment were procured and an amount of Rs. 298.60 lakh was spent for the purpose. One maintenance manual for these as well as for any other equipment to be procured in future has been prepared to facilitate their periodic maintenance, breakdown maintenance and idle maintenance. This also prescribes the guidelines to give the equipments on hire during normal time.



Road Work

DFID'S ASSISTANCE

Primary School Reconstruction Project

Based on the afore mentioned survey report, the UK Secretary of State for International Development approved up to £ 33.2 million for the reconstruction of the damaged school buildings under the project "Orissa Post Cyclone: Reconstruction of Primary Schools" in March 2001. Orissa Primary Education Programme Authority (OPEPA) executes this project under the overall supervision of Orissa State Disaster Mitigation Authority (OSDMA).

By the end of March 2004, construction work started in respect of 1245 schools, out of which work has been completed in respect of 172 schools.



Chahalima UG UP School

OBJECTIVES

The main objectives of OSDMA are to: (a) act as the nodal agency for disaster reconstruction works; (b) co-ordinate with the line departments involved in reconstruction; (c) co-ordinate with bi-lateral and multi-lateral aid agencies; (d) co-ordinate with UN Agencies, International, National and State-level NGOs; (e) promote disaster preparedness at all levels in the State; (f) network with similar and relevant organisations for disaster management.

Rehabilitation of Lift Irrigation Points

The rehabilitation of cyclone damaged lift irrigation points of Orissa was taken up with financial assistance from DFID. The project was implemented through Orissa Lift Irrigation Corporation with the active involvement of Pani Panchayats. OSDMA controlled the procurement of quality materials and flow of funds. Adam Smith Institute was the facilitator of the project, which was to be closed by July 2002. However, the period of implementation was extended in November 2002 and DFID appointed Xavier Institute of



Lift Irrigation Point

Management the new facilitator to the project. An amount of Rs 27.89 cr. was received in by the end of March 2004. Work has been completed in respect of 2545 LIPs, out of which 2437 were handed over to Pani Panchayats.

QUALITY CONTROL

OSDMA strove to ensure that works are executed as per specified quality standards. One handbook on Quality Control has been prepared and distributed among field engineers for ready reference on the site. Quality control experts made regular visits to the sites and tests were conducted at all the construction sites.

PAYMENT OF WORK BILLS

The payment of work bills was done in accordance with a well-defined procedure contained in the Operations Manual: preparation of bills in the first week of the month, sending it to OSDMA by 15th of the month and clearance by OSDMA within 7 days of the receipt, if the required documents are in order. In order to facilitate quick payment, field engineers and even contractors were advised through different workshops and field visits of OSDMA's engineers to ensure that the bills are accompanied by the following documents:

- (a) Connected Measure Book (MB), Level Book (LB), certificate stating that Cross Sections have been duly checked by field level functionaries and duly acknowledged by the contractor;
- (b) K-forms issued by Tahasildars as tokens of royalty-payment;
- (c) Report on quality control tests;
- (d) Report on compaction tests;
- (e) Approved extension of time;
- (f) Approved deviation statements.

All the payments were made through cheques.



Quality Control : Mobile Laboratory

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CHIEF MINISTER'S RELIEF FUND

Cyclone Shelters

During the super cyclone in 1999, more than 40 thousand people took shelter in 23 cyclone shelters constructed by the Indian Red Cross Society on behalf of German Red Cross KFW. Government of Orissa decided to build more cyclone shelters in the coastal zone. IIT, Kharagpur recommended 489 new locations in Orissa coast for this purpose. In addition to the 37 cyclone shelters being built with World Bank assistance, construction of 60 shelters was undertaken with support from Chief Minister's Relief Fund. The perceptions and needs of the local community were taken into account while selecting the locations of the shelters. By March 2004, 54 shelters were set up and the construction of the remaining 6 were under different stages of progress.

Community Management of Multi-purpose Cyclone Shelters

The experiences of Bangladesh and Andhra Pradesh have shown that cyclone shelters, which were not used or maintained with the full participation of the local community, rapidly fell into disuse. To avoid this pitfall, the shelters need to be used and maintained by the local community throughout the year. When not used as cyclone shelters, these buildings can be used as schools; the local community can also use the buildings for social and cultural purposes. The nomenclature "multi-purpose" has been prefixed to these cyclone shelters with a view to widening their scope of use as community assets. OSDMA has formulated a set of guidelines for the maintenance and management of these shelters by the local community. Cyclone Shelter Management and Maintenance Committees were constituted in respect of 89 shelters, 53 Multipurpose Cyclone Shelters- 46 constructed out of CMRF and 7 out of World Bank assistance - have been handed over to the respective Management and Maintenance Committees.



Multipurpose Cyclone Shelter

Health Infrastructure

An amount of Rs 12.80 crore was sanctioned from CMRF for infrastructure improvement of health institutions in all the cyclone-affected blocks. The improvement included construction of additional rooms for the PHCs, staff quarters, drinking water supply schemes, etc. The new infrastructure will enable health institutions to serve the rural population better.

Additional infrastructure is being provided to 217 health institutions in 125 blocks in 14 cyclone affected districts. The project is being implemented through Zilla Swasthya Samiti's. Work has been completed in 194 institutions by the end of March 2004.



Sankhachila Primary Health Centre, Jajpur district

School Buildings

By the end of March 2004, construction of all 128-school buildings in Phase-I and 124 buildings in Phase-II was completed. OSDMA co-ordinated with district administration, executing agencies, and other stakeholders to ensure that the works are executed in a time bound manner in conformity with specified quality standards. The engineers of OSDMA have been inspecting these buildings at different stages of construction. Timely payment of the bills raised by the executing agency was ensured.



S.B. High School, Sorada built with CMRF, Phase II

Moreover, construction of 38 school buildings and 1 college building has been taken up with a total budget of Rs. 2.73 crores donated by Lucknow Oriya Samaj to Chief Minister's Relief Fund. All the buildings were double storeyed; 29 of these followed one model, each costing Rs. 5 lakhs and the remaining 10 followed another model, each at a cost of Rs. 6.24 lakh. These buildings are being constructed by the committees constituted at the school level under the supervision of Lucknow Oriya Samaj. 34 buildings have been completed by the end of March 2004.

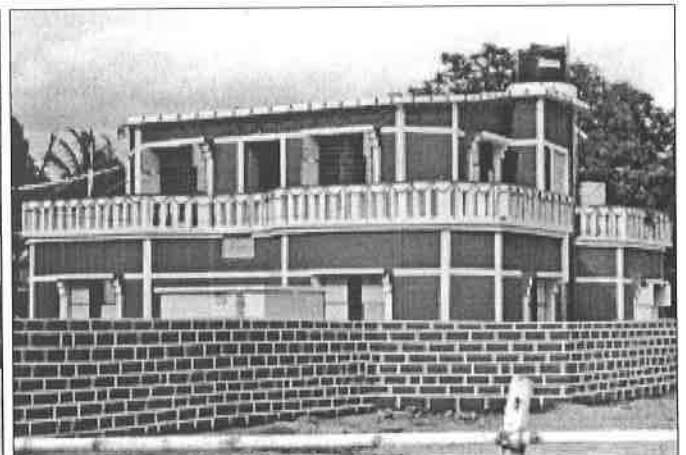
Apart from the school buildings constructed out of CMRF and MPLADS Funds. School buildings have also been constructed by other agencies. OSDMA monitored the progress and facilitated the process whenever necessary the statues of progress is an follows.

MPS LOCAL AREAS DEVELOPMENT SCHEME

By the end of March 2004, 77 Members of Parliament (Lok Sabha) contributed Rs 10 lakh each from their local areas development fund for construction of cyclone shelters-cum-school buildings in cyclone-affected areas. By the end of March 2004, 81 school buildings were constructed with the MPLAD Fund (Lok Sabha), and 2 other buildings were under construction. IDCO, OCC, TRC & HUDCO executed the construction work. OSDMA monitored and supervised the construction work.



NAC High School, Hinjlicut built with MPLADS (Lok Sabha) Funds



K.B. Academy, Nirakarpur built with MPLADS (Rajya Sabha) Funds

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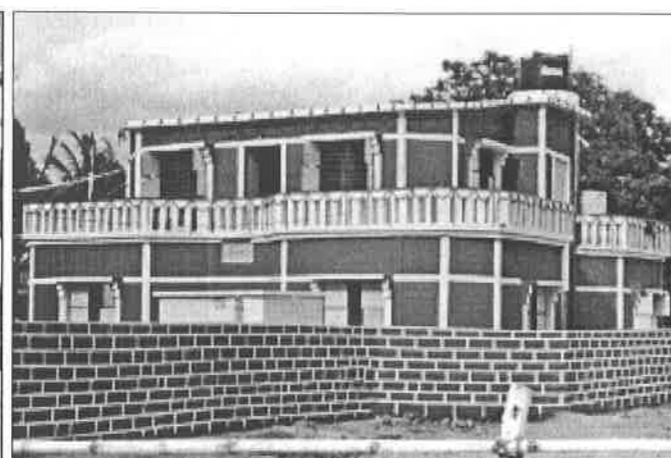
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78 Members of Parliament (Rajya Sabha) also contributed funds to build school-cum-shelters in Orissa. So far 69 school buildings have been constructed and 8 other buildings were in different stages of construction. HUDCO undertook the construction work.

Primary Schools Completed by Different Organisations		High School Building Completed by other Organisations	
OBB	- 4407	PMNRF	- 247
PMNRF	- 852	NFCR	- 128
NFCR	- 15	CMRF	- 252
Other State Govts, NGOs, Donors & Others	- 371	MPLADS(LS)	- 81
		MPLADS (RS)	- 69
		Maharastra, MP, Gujarat & Karnataka Govts., NGOs & Donors	- 269
Total	- 5630	Total	- 1046



Kalakala High School, Salapada built with funds donated by LOS to CMRF

OPERATIONS MANUAL

The norms and rules of business including financial and accounting procedures have been laid down in the Operations Manual. It also contains guidelines and procedures for preparation of the annual budget, maintenance of accounts, tender call notices, award of works, payment of bills and audit of accounts. The 12-page manual consists of five chapters including the preamble.

REDUCING VOLUNERABILITY :

CBDP & DRM PROGRAMMES

In order to reduce the vulnerability of people to natural calamities, community based disaster prepared programme (CBDP) was implemented in 10 pilot blocks. However, the programme was later modified and Disaster Risk Management (DRM) programme was implemented.

Community Based Disaster Preparedness Programme

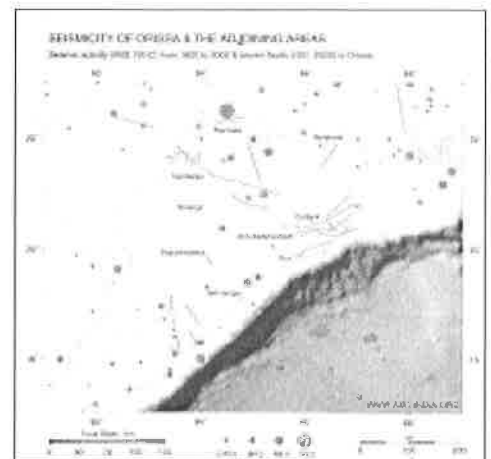
A Pilot Project in 10 Blocks

Project Highlights

- ❖ 10 Block Disaster Management Committees formed
- ❖ 332 Block Disaster Management Committees members trained.
- ❖ 10 Multi-hazard Block Disaster Management Plans Prepared.
- ❖ 205 Gram Panchayats Disaster Management Committees formed.
- ❖ 205 Gram Panchayats Disaster Management Plans formed.
- ❖ 3,041 PRLs trained on Disaster Management
- ❖ 1,603 Community Contingency Plans Developed
- ❖ 377 Village Contingency Fund generated
- ❖ 2,055 Volunteers Trained on CCP Developments
- ❖ 2,474 Task Force Members trained on first aid
- ❖ 2,511 Task Force Members trained on rescue evacuation
- ❖ 2,327 Task Force Members trained on water and sanitation
- ❖ 2,313 Task Force Members trained on shelter management
- ❖ 2,313 Task Force Members trained on carcass disposal
- ❖ 10 Block Disaster Management Information Centres strengthened
- ❖ 10 GP Disaster Management Information Centres strengthened
- ❖ 9 Earthen Mounds constructed in the low-lying areas to be used as safe place during flood season.
- ❖ 693 Volunteers Trained in operation of HAM equipments
- ❖ 106 Mock-Drills in 10 blocks with all task force members.

Disaster Risk Management Programme

In order to reduce the vulnerability of communities to natural hazards, Government of India and United Nations Development Programme signed an agreement in August 2002 to implement Disaster Risk Management



Seismicity of Orissa

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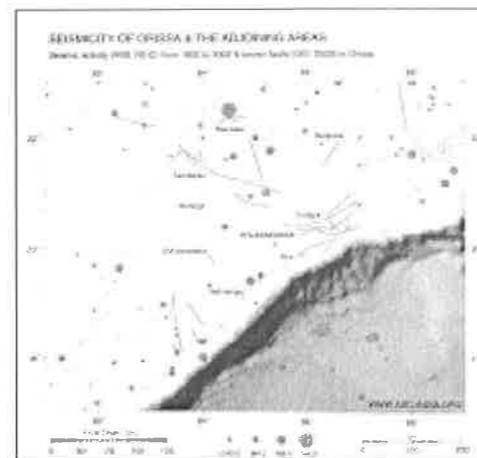
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Seismicity of Orissa

Programme in identified multi-hazard prone areas. Its objectives are: (i) national capacity building support to the Ministry of Home Affairs; (ii) environment building, education, awareness programmes and strengthening the capacity at all levels in natural disaster risk management and sustainable recovery; (iii) multi-hazard preparedness, response and mitigation plans for the programme at state, district, block, grampanchayat and village/ ward levels in select programme states and districts; and (iv) networking knowledge on effective approaches, methods and tools for natural disaster risk management, developing and promoting policy frameworks.

The programme is being implemented in two phases: the states Bihar, Gujarat and Orissa are covered in the Phase I (2002-2004); Phase II (2003-2007) covers Assam, Sikkim, Uttaranchal, Delhi, Tamil Nadu, Meghalaya, West Bengal, Uttar Pradesh and Maharashtra. Special focus is given on the 38 earthquake prone cities and 5 north-eastern states.

The disaster risk management plan starts at the village level and is consolidated through similar planning at the panchayat, block, district and urban local body levels in selected districts. Plans at the village level are prepared by a cadre of volunteers and those at other levels by the concerned Disaster Management Teams. The plans focus on disaster risk prevention and recovery through community based preparedness and response plans; skill development for construction of hazard-resistant housing and enhanced access to information as per the need of the community.

Awareness Campaign Strategy

An effective disaster risk management campaign strategy is to be developed by the State nodal agency through rallies, mass meetings, essay, debate and painting competitions among school and college students, wall paintings and posters.

Training/ Capacity Building

Training of trainers at the state, district and block levels to enhance the capacity of the DMC.

Specialized training to Disaster Management Teams.

Exposure visit of Government officials, PRIs and DMTs.

Studies, research and workshops to be conducted at the national and state levels.

Training manuals, standard operating procedures and documentation on best practices.

DRM Plan

Multi-hazard risk management plans are prepared by trained volunteers at the village, grampanchayat, block, district and state levels. Mock drills are carried out to ascertain the feasibility of the plan.

DRM Programme in Orissa

In Orissa, the Community-based Disaster Management programme was implemented in ten blocks of seven coastal districts on pilot basis. This has been scaled up under Disaster Risk Management (DRM) programme and is being implemented in disaster prone blocks of eleven districts. This programme was



Rescue technique



Rescue technique

launched in Orissa in October 2002. Collectors and Project Directors, DRDAs are the nodal officers at the district level; BDOs look after the implementation of the programme at the block level with the help of PRIs, local NGOs and CBOs.

The implementation has already started in Balasore, Bhadrak, Cuttack, Ganjam, Jagatsinghpur, Jajpur, Kendrapada, Khurda, Puri and Rayagada districts and will soon start in Angul district. By the end of March 2004, 23,234 villages under 3,005 grampanchayats in 145 blocks have been covered. District Disaster Management Plans have been drafted in respect of 8 districts. Block Disaster Management Committees have been formed 120 blocks where the programme has started; 2,316 persons have participated in the training programmes undertaken in 104 blocks. 90 blocks have prepared draft preparedness plans. Gram Panchayat Disaster Management Committees have been formed in 1,561 grampanchayats and 23,336 persons have participated in the training programmes. 5,696 Village Disaster management Committees have been formed with the approval of Palli Sabhas.

Activity	Progress
Blocks programmed	145
GPs programmed	3005
Villages programmed	23234
Training of DDMC-no of participants	375
BDMC formed-no. of blocks	120
BDMC training-no of blocks	104
BDMC training-participants	2316
Draft preparedness plan-no of blocks	90
PRIs training -nos	5103
No of blocks where volunteers trained	95
No of Volunteers trained (CCP)	3697
No of Volunteers trained (first aid)	542
No of Volunteers trained (search & rescue)	535
GPDMC constituted and training-No of GPs	1561
No of GP DMC training participants	23336
GPDM plan prepared & approved	512
VDMC approved by palli sabha-nos	5696
Community fund generated-no of vills	1014

Strengthening District Control Rooms

District Control Rooms (DCRs) play a vital role in coordinating responses at the district level during emergencies. DCRs work as a crucial link between the State Control Room and the emergency response process at the district, block and community levels. An important hub of activities during disasters, DCR is a part of the district collector's office. OSDMA had taken steps to strengthen the existing DCRs of 11 vulnerable districts in collaboration with UNDP. All the selected control rooms have been equipped with computers, fax, internet connection, display boards, emergency equipment and other items to ensure effective emergency warning dissemination and response. To undertake these tasks, 11 junior research officers were deputed to the districts.

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STATE DISASTER MANAGEMENT PLAN

Orissa State Disaster Mitigation Authority prepared the Disaster Management Framework, which gives an overview of the areas that need urgent attention. The three thrust areas are (1) policy and administrative changes; (2) strengthening of infrastructure and; (3) training, awareness and capacity building. On the basis of the Framework, OSDMA drafted a Disaster Management Policy and a Disaster Management Plan for the State. The reports, based on inputs from sub-groups constituted to prepare a multi-hazard-disaster management plan, was placed before OSDMA's Governing Body. The report was the outcome of a year-long exercise undertaken jointly by the State Government departments concerned, semi-government agencies, and leading non-governmental organisations. OSDMA co-ordinated this exercise, which took into consideration the best disaster management practices in India and abroad. It may be mentioned here that, for the first time, such a multi-agency and multi-hazard approach has been adopted in the State. Some of the major suggestions made are (1) relief activities should be programmed to address the issue of vulnerability and ensure sustainable livelihood opportunities while the preparedness activities should be geared towards prevention and mitigation; (2) community should



VHF Tower

be involved in disaster management planning and more decentralisation of planning and execution of disaster management activities should be decentralised through Panchayati Raj Institutions; (3) participation of NGOs, CBOs and Civil Society institutions should be encouraged; (4) disaster management aspects should be incorporated in the educational syllabi from the primary school level onwards and other IEC initiatives for enhancing community awareness should be adopted; (5) an effective and comprehensive insurance coverage should be promoted by utilising the services of NGOs, CBOs, PRIs and other agencies. The other aspects, which the policy document highlights, are: the need for strengthening capacities of the state-level institutions such as GAA, SIRD, OSDMA, etc. for training and other support, special focus on vulnerable groups and communities, and protection of the eco-system and environmental activities. A State Disaster Management Act has been attempted.

COMMUNICATION NETWORK

One of the important lessons learnt from super cyclone 99 was the need for bringing communication facilities to a fail-safe level. Accordingly, OSDMA has taken a number of initiatives to strengthen the network. A communication advisory committee has been constituted. Initially, VHF systems will be installed at 230 selected locations. This connectivity will cover all the 314 blocks in future. Besides, 20 INMARSAT-Mini-M Terminals have been procured. These SAT phones proved very helpful during emergencies. OSDMA has also acquired WLL (Wireless Local Loop) telephone sets.

Lists of equipment required for rescue operation, restoration of communication have been finalised and the process of procurement is in progress.

GIS DATA BASE

Geographic Information System (GIS) is very useful in disaster planning, response, mitigation and recovery. OSDMA in collaboration with Orissa Remote Sensing Application Centre (ORSAC), Bhubaneswar has developed district-wise database in respect of 14 coastal districts; preparation of database in respect of the other districts of the State is in progress. Mapping of the multi-purpose cyclone shelters and school-cum-cyclone shelters has been completed.

TRAININGS, SEMINARS, CONSULTATIONS & CAPACITY BUILDING WORKSHOPS

During 2003-2004, OSDMA organised a number of workshops, training programmes, consultations for capacity building of officials at state / district / block level, Panchayati Raj Institutions and volunteers of NGOs on several aspects of disaster management. A few workshops were organised to promote quality control awareness among field engineers and executing agencies. These programmes were conducted either independently by OSDMA or in collaboration with other agencies like UNDP, OXFAM, CARE, CYSD, GAA, IMD, SIRD, State Fire Training Institute, Special Relief Organisation, etc. Moreover, a number of dignitaries also paid visit to OSDMA during the year.

1. Sri M. K. Barooah, Secretary, Revenue, Government of Assam, interacted with the officers of OSDMA on April 10, 2003.
2. Mr. Steve Hollingsworth, Country Director, Care visited OSDMA on April 19, 2003.
3. 240 block and district-level master trainers were trained on DRM at SIRD, Bhubaneswar in five batches from May 2 to 17, 2003. OSDMA organized the training programme in collaboration with the State Institute of Rural Development (SIRD), Bhubaneswar.
4. The World Bank Mission visited OSDMA from May 8 to 9, 2003.
5. The State-level NGO Coordination meeting was held on May 15, 2003 at Rajiv Bhawan Conference Hall in view of the cyclone alert. INGOs, national and State-level NGOs participated in the meeting.
6. UN Resident Coordinator and UNDP Resident Representative, Dr Brenda Gael Mc Sweeney visited OSDMA on May 15, 2003.
7. On June 4, OSDMA organized a meeting of the representatives of industrial houses and public sector undertakings to discuss updating of the resource inventory as a measure of disaster preparedness in the State.
8. 525 volunteers of 105 blocks in 10 districts were trained in First Aid under DRM programme in June 2003.
9. OSDMA and NSS Bureau, Utkal University organized an orientation programme of Programme Officers of NSS units of different colleges at Utkal University, Bhubaneswar from June 12 to 14, 2003.
10. OSDMA in collaboration with Oxfam GB organized a one-day division-level workshop on Effective Disaster Management at the DRTC Conference Hall, Bhubaneswar on July 19, 2003. District-level officers of the Central Division and representatives of NGOs participated in the workshop.
11. OSDMA collaborated with Hindi Vigyan Sahitya Parishad, Bhaba Atomic Research Centre (BARC), Mumbai, Utkal University, Institute of Physics and Regional Research Laboratory in conducting a workshop on the role of Science and Technology in Disaster Management on July 30-31, 2003.



Training of Trainers : May 2, 2003

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12. A Technical Seminar on the Application of Modern Technology in Buildings and Other Structures was held in Rajiv Bhawan Conference Hall on August 23, 2003. It was followed by a live demonstration of Bosch Power Tools and Fischer Fixing Systems.
13. His Excellency the Governor, Sri M. M. Rajendran reviewed the support extended by NGOs to the flood-affected people in a meeting held at the Raj Bhawan on September 20, 2003.
14. OSDMA and the District Administration, Ganjam organized a meeting of the Cyclone Shelter Management and Maintenance Committees at Berhampur on September 24, 2003.
15. Professor A. S. Arya, former Professor, IIT, Roorkee and Sri M.P. Sajjani, Advisor, Ministry of Home Affairs, Government of India interacted with the officers of OSDMA engineers and representatives of UNDP on the construction of earthquake and cyclone resistant buildings and on disaster preparedness at the OSDMA conference hall on November 14, 2003.
16. OSDMA in collaboration with FAO, New Delhi and District Administration, Kendrapara organized a workshop on Pedal Pump Technology at Kendrapara on November 29, 2003. Sri N. Sanyal, Managing Director, OSDMA inaugurated the workshop, which was attended by officers and farmers. Ms Renuka Taimni, FAO and Fr.J. P. Chailil of W3W were present.
17. OSDMA organized a workshop on "Effective Shelter Management" at Kendrapara on November 29, 2003. Sri Himanshu Ranjan Patnaik, Deputy General Manager participated in the programme.
18. International Volunteers Day was observed on December 5, 2003. Rallies, meeting and workshops were organized jointly by OSDMA, UNDP and volunteer based organizations.
19. DRM Orientation programmes were organized at Koraput and Sambalpur on December 15 and 17, 2003 respectively. District-level officers, Tahasildars, BDOs and representatives of Panchayati Raj institutions participated in the programmes.
20. Sri S.C. Dua and Sri Ramesh Chandra of IMD, New Delhi visited Kolnara block of Rayagada district and Lakhanpur block of Jharsuguda district from December 18 to 24, 2003 for setting up two V-Sat based earthquake observatories.
21. A UNDP delegation from Vietnam visited Orissa on February 2-3, 2004 to get first hand experience of implementation of the DRM programme. They held discussions with the Managing Director and Executive Director at UN House II on February 3, 2004.
22. Professor A. S. Arya, Seismic Advisor, Ministry of Home Affairs addressed the engineers of OSDMA at Rajiv Bhawan Conference Hall on February 03, 2004.



DRM Orientation Programme at Koraput; Dec 15, 2003

23. OSDMA, in collaboration with Ministry of Home Affairs, Government of India and UNDP, organized a one-day workshop on 'Earthquake Mitigation Strategy in Orissa' at OSCB Conference Hall on February 04, 2004. The Chief Secretary, Sri P.K. Mohanty inaugurated the workshop, in which senior officers, engineers and town planners participated.



Workshop on Earthquake Mitigation Strategy in Orissa
Feb. 04, 2004.

24. Dr Alois Stadler, Head, W3W Switzerland visited OSDMA on February 13, 2004 and held discussions with the Managing Director on Disaster Management.

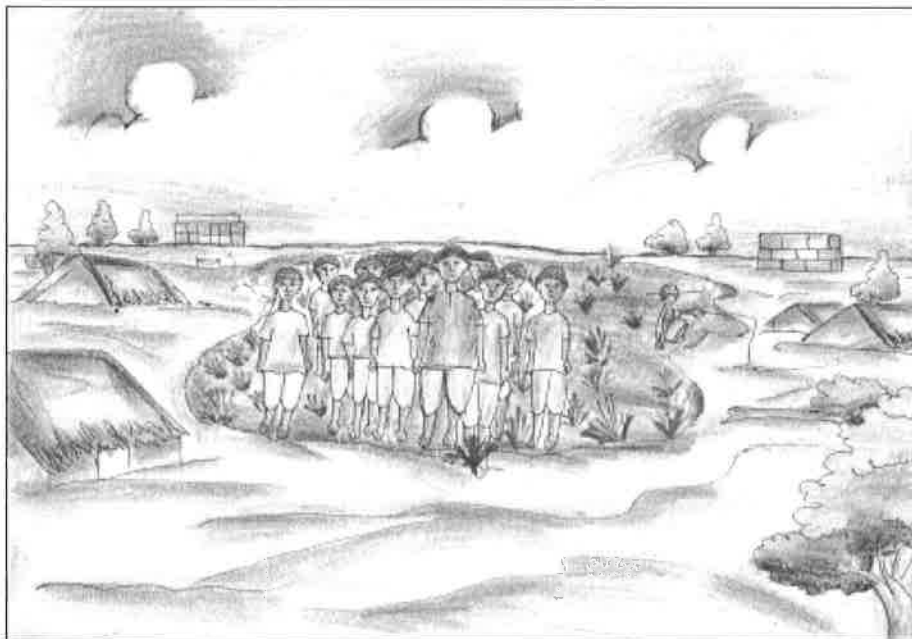
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26. A meeting of the State NGO Coordination Cell was held on March 15, 2004. Discussions were held on implementation of DRM programme, Social Capital Restoration Programme, disaster management initiatives undertaken by NGOs and measures taken to combat heat wave.

27. Officers of OSDMA imparted training on preparation of crisis plan to the staff of Nandan Kanan Zoological Park from March 22 to 24, 2004. Mock drills on derailing of toy trains and ropeway accidents were also conducted. 39 employees of the Park participated

28. The World Bank delegation visited OSDMA from March 22 to 28, 2004. They held discussions on the progress of the World Bank funded projects with the officers of OSDMA on March 24, 2004.

29. A meeting of the Disaster Management Review Committee was held at the OSDMA Conference Hall on March 25, 2004.



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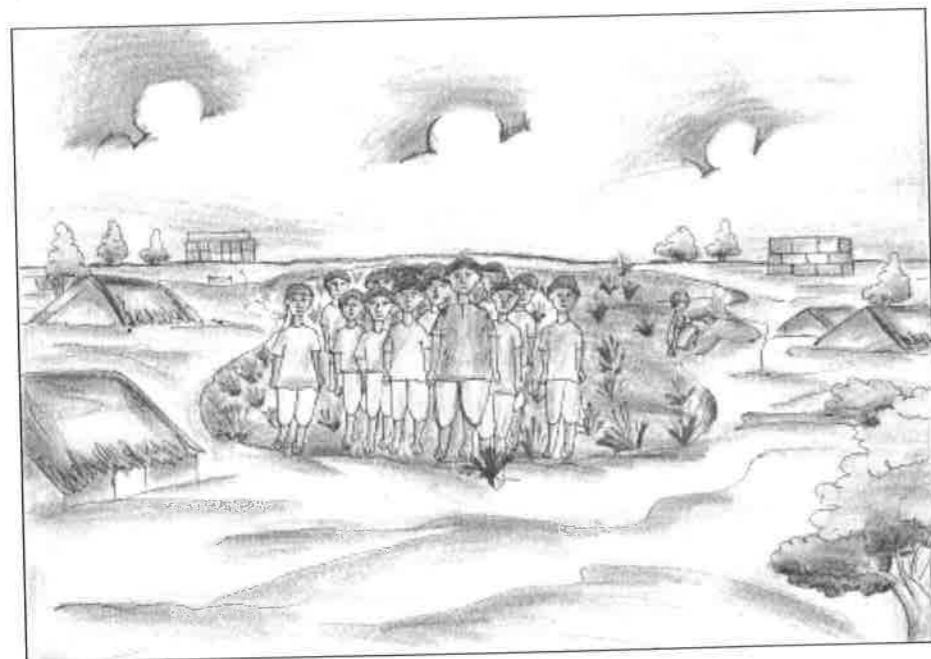
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Participation

1. Managing Director, OSDMA participated in the All India Conference of Training Institutions in Disaster Management organized by NCDM at New Delhi from April 7 to 8, 2003
2. Sri Ashok Dash, Manager, participated in the workshop on Combating Heat Wave organized by Gopabandhu Academy of Administration, Bhubaneswar from April 22 to 26, 2003.
3. Sri M.R. Kar, General Manager (Projects), Sri H.N. Pattanaik, DGM, Sri GR Das, DGM, Sri D Sahoo, Manager(Projects) and Sri Ashok Das, Manager attended a workshop on Technological Disasters for District Administration and Industries organized on April 28-29, 2003.
4. Managing Director, OSDMA, participated in the Wilton Park Conference on 'Preparing for Disasters: Improving the Response' held at Wiston House, West Sussex, England from April 28 to 30, 2003.
5. Sri Siddhanta Das, Executive Director prepared a draft document titled 'National Cyclone Mitigation Project' for the Ministry of Home Affairs, Govt. of India in New Delhi during May 8-14, 2003. On May 9, he participated in a consultation on need assessment for GIS based web-enabled system for disaster management. He also participated in a two-day workshop on the preparation of training curricula on Disaster Management for the All India Service probationers organized by NCDM on May 12 & 13, 2003.
6. Sri Hari Krushna .Padhy, General Manager, Projects and Sri Pravat Ranjan Mohapatra, Manager (Coordination) participated in the national seminar on 'Earthquake Resistivity of Buildings: Awareness, Preparedness and Mitigation' organized by Ministry of Home affairs, Government of India and Department of Relief and Rehabilitation, Government of Bihar at Patna from May 10 to 11, 2003
7. On June 2, Sri N. Sanyal joined OSDMA as its new Managing Director.
8. Sri Satya Mishra, Social Scientist participated in the Southern Consultation on 'Draft National Plan of Action on the Child' organized by Department of Women and Child Welfare, Ministry of Human Resource Development, Govt of India at Bangalore on June 16, 2003
9. Sri A.K.Biswal, Deputy General Manager (Projects) participated in the National Seminar on Disaster Management & Mitigation organized by the academy of Civil Engineering at Structural Engineering Research Centre, Chennai on June 20 & 21, 2003.
10. Sri H.N. Patnaik, Deputy General Manager attended a meeting addressed by Mr Sorensen, US Consulate General, Kolkata at Orissa State Cooperative Bank Conference Hall on June 27, 2003.
11. Sri Siddhanta Das, Executive Director attended the national level training of trainers as a resource person at NCDM, IIPA, New Delhi on July 29, 2003. Sri Gyana Ranjan Das, Deputy general Manager, participated in the programme from July 28 to August 1, 2003.
12. Sri H. N. Patnaik, Deputy General Manager, Sri D. Sahoo, Manager (Mechanical) and H. C. Jena, Assistant Commandant, OSAP, 6th Battalion visited Hyderabad and Ahmedabad from August 16 to 24, 2003 to gather first-hand experience of disaster management equipment procured by Andhra Pradesh and Gujarat.
13. ODMM organized a consultation workshop on Orissa Relief Code at Puri on August 25-26, 2003. Sri Gyana Ranjan Das, Deputy General Manager, participated in it.



Workshop on Management of Technological Disasters
April 28-29, 2003

14. Sri N. Sanyal, Managing Director inaugurated the one-day Orientation Programme on Safety Tips for Fishermen and Boatmen and Measures for Accident Related Disasters and Improvised Fishing at Fishery College, Rangeilunda on August 26, 2003.
15. Sri Gyana Ranjan Das, Deputy General Manager participated in the Training Programme for District Level Officers, PRI representatives and BDOs of Balasore district at Balasore and the training of members of the Block Disaster Management Committees of Bhadrak district at Bhadrak on September 23, 2003.
16. Sri N. Sanyal, Managing Director participated in the meeting of the Cyclone Monitoring and Mitigation Group in the Ministry of Home Affairs, New Delhi on September 24, 2003.
17. Sri H. N. Patnaik, Deputy General Manager participated in the DRM Training Programme organized for Primary and High School Teachers of Ganjam District on September 26, 2003.
18. Sri Siddhanta Das, Executive Director participated in the national Level training of trainers organized by the Ministry of Home Affairs and NIRD at Guwahati on September 28, 2003.
19. Sri Manas Ranjan Kar, General Manager (Projects) participated in the International Workshop on Post-Earthquake Reconstruction Experiences at Gandhidham, Gujarat on September 30, 2003.
20. Dr Arun Kumar Mohanty, General Manager (Documentation) and Sri Himanshu Narayan Patnaik, Deputy General Manager interviewed Ms Binodini Padhiary of Karabar village under Bhapur block in Nayagarh district on October 15, 2003, She demonstrated an act of extraordinary courage by saving the lives of four women during this year's floods.
21. On October 16, 2003, Dr Arun Kumar Mohanty, General Manager (Documentation) and Sri Pravat Ranjan Mohapatra, Manager (Coordination) interviewed Sri Debendra Behera of Tandikana village under Kantapara block in Cuttack district, who showed exemplary courage during this year's floods.
22. Sri Siddhanta Das, Executive Director attended the meeting of the Governing Body of the National Disaster Risk Management Programme in New Delhi on October 28, 2003. He made a presentation on the DRM Programme in Orissa.
23. On November 4, 2003, Sri Siddhanta Das, Executive Director participated in the discussion on National Cyclone Mitigation Project in New Delhi. The project was presented to the World Bank team from Washington for funding.
24. Sri H.N. Pattnaik, Deputy General Manager attended the orientation programme on DRM project organized by the Angul district administration at Angul .on November 11, 2003.
25. Sri N.Sanyal, Managing Director, Sri Siddhanta Das, Executive Director and Sri Gyana Ranjan Das, Deputy General Manager participated in the workshop on Rapid Environment Assessment organized jointly by Care International, Benfield Hazard Research Centre, University College, London and Sphere India at Mayfair Lagoon, Bhubaneswar from November 12 to 17, 2003.
26. Sri N.Sanyal, Managing Director, Sri Siddhanta Das, Executive Director, Sri B.K. Patnaik, Executive Director (Projects), Sri M.R. Kar, General Manager (Projects), Sri H. N. Patnaik, Deputy General Manager and Sri Pravat

ACTS OF EXEMPLARY COURAGE



Ms. Binodini Padhiari



Sri Debendra Behera

14. Sri N. Sanyal, Managing Director inaugurated the one-day Orientation Programme on Safety Tips for Fishermen and Boatmen and Measures for Accident Related Disasters and Improvised Fishing at Fishery College, Rangeilunda on August 26, 2003.
15. Sri Gyana Ranjan Das, Deputy General Manager participated in the Training Programme for District Level Officers, PRI representatives and BDOs of Balasore district at Balasore and the training of members of the Block Disaster Management Committees of Bhadrak district at Bhadrak on September 23, 2003.
16. Sri N. Sanyal, Managing Director participated in the meeting of the Cyclone Monitoring and Mitigation Group in the Ministry of Home Affairs, New Delhi on September 24, 2003.
17. Sri H. N. Patnaik, Deputy General Manager participated in the DRM Training Programme organized for Primary and High School Teachers of Ganjam District on September 26, 2003.
18. Sri Siddhanta Das, Executive Director participated in the national Level training of trainers organized by the Ministry of Home Affairs and NIRD at Guwahati on September 28, 2003.
19. Sri Manas Ranjan Kar, General Manager (Projects) participated in the International Workshop on Post-Earthquake Reconstruction Experiences at Gandhidham, Gujarat on September 30, 2003.
20. Dr Arun Kumar Mohanty, General Manager (Documentation) and Sri Himanshu Narayan Patnaik, Deputy General Manager interviewed Ms Binodini Padhiary of Karabar village under Bhapur block in Nayagarh district on October 15, 2003, She demonstrated an act of extraordinary courage by saving the lives of four women during this year's floods.
21. On October 16, 2003, Dr Arun Kumar Mohanty, General Manager (Documentation) and Sri Pravat Ranjan Mohapatra, Manager (Coordination) interviewed Sri Debendra Behera of Tandikana village under Kantapara block in Cuttack district, who showed exemplary courage during this year's floods.
22. Sri Siddhanta Das, Executive Director attended the meeting of the Governing Body of the National Disaster Risk Management Programme in New Delhi on October 28, 2003. He made a presentation on the DRM Programme in Orissa.
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ACTS OF EXEMPLARY COURAGE



Ms. Binodini Padhiari



Sri Debendra Behera

- Ranjan Mohapatra, Manager(Coordination) attended the Eastern India zonal workshop on "Appropriate Disaster-Resistant Technologies towards Sustainable Built Environs" held at the OUAT conference hall from November 15 to 17, 2003.
27. Sri Gyana Ranjan Das, Deputy General Manager made a presentation on DRM programme at an international workshop on "Community Based Disaster Preparedness Programme" organized by Asia Zone Emergency and Environment Cooperation Network of Lutheran World Service held at Konark from December 9 to 13, 2003.
28. Sri Siddhanta Das, Executive Director, Dr Arun Kumar Mohanty, General Manager (Doc), Sri H. N. Patnaik and Sri G. R. Das, DGMs and Sri Pravat Ranjan Mohapatra, Manager (Coordination) participated in a teaching programme on disaster management held at DAV Public School, Chandrasekharpur from December 9 to 14, 2003.
29. Sri Siddhanta Das, Executive Director and Sri Gyana Ranjan Das, Deputy General Manager acted as resource persons in a training programme on Disaster Management organized by Gopabandhu Academy of Administration, Bhubaneswar from January 27 to 31, 2004.
30. Sri N. Sanyal, Managing Director, attended a workshop on "Earthquake Risk Reduction: the Gujarat Experience" at Ahmedabad from January 29 to 31, 2004.
31. Sri Siddhanta Das, Executive Director delivered a talk on Disaster Preparedness to the NSS volunteers at the Central Conference Hall of Utkal University on February 5, 2004. Sri Himanshu Narayan Pattnaik, Deputy General Manager and Sri Pravat Ranjan Mohapatra, Manager(Coordination) delivered talks on February 6, 2004.
32. Sri Satya N. Mishra, Social Scientist, participated as a resource person in the National Consultation on "Children in Emergencies" organized by Save the Children Fund, UK-India in partnership with GSDMA and UNDP at Ahmedabad on February 5-6, 2004.
33. Sri N. Sanyal, Managing Director participated in the World Congress on Natural Disaster Mitigation held in New Delhi from February 19 to 23, 2004. He made a presentation on the "Challenges of the Post Super Cyclone Reconstruction in Orissa." Besides, a delegation comprising Sri Gangadhar Sar, Sri Surya Narayan Behera, both General Managers (Project), Sri A.K. Biswal, Deputy General Manager (Project). Sri Himanshu Narayan Pattnaik and Sri Gyana Ranjan Das, both Deputy General Managers, also participated in the World Congress.
34. Sri H.N Pattnaik and Sri G.R Das, DGMs participated in a district-level orientation programme on Orissa Relief Code organized by Pallishree, Jajpur on March 12, 2004. Sixty representatives of PRIs and civil society institutions were sensitized in this programme.



The World Congress on Natural Disaster Mitigation :
Sri N. Sanyal, MD, OSDMA addressing the participants

AWARENESS BUILDING AND DOCUMENTATION

The success of any disaster management initiative depends on the sharing of information. Keeping this in view, OSDMA publishes a quarterly newsletter, one in English and the other in Oriya. During the period under report, 4 issues each of *The Response* in English and *Prastuti O Punahnirman* in Oriya have brought out. The newsletter carried write-ups on the activities undertaken by OSDMA; NGO initiatives in disaster-affected areas; strategies worked out by other countries for coping with disasters—both man-made and natural; reports on workshops and conferences, profiles of courage and book briefings. Copies of the newsletters were circulated among the stakeholders: State Government Departments, NGOs, INGOs, PRIs and educational institutions. These publications have generated awareness about the need for disaster preparedness and pooled valuable data on initiatives taken in Orissa and elsewhere.

During the year under report, OSDMA's website <<www.osdma.org>> played an important role in providing information on various activities of OSDMA and related subjects. IEC materials such as posters, pamphlets, booklets, etc were prepared and distributed among people in vulnerable areas to provide safety tips to them.



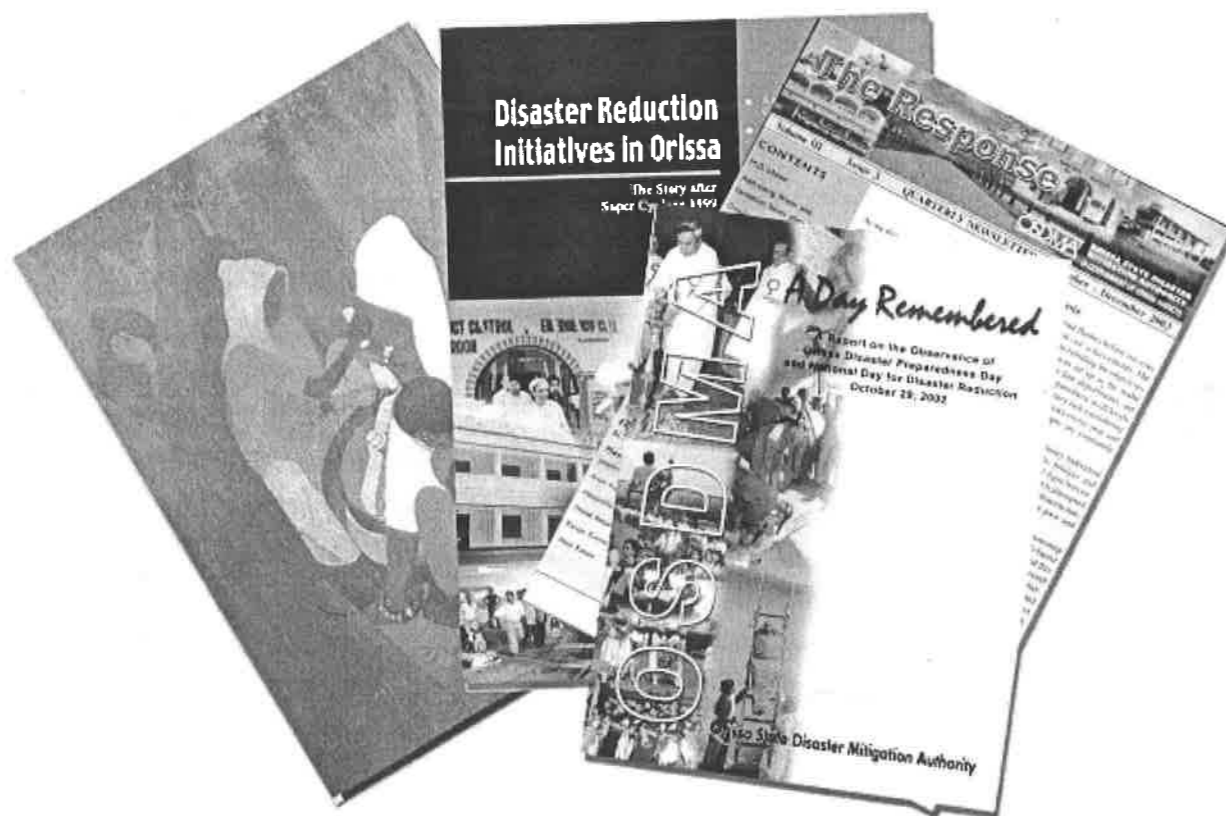
Document on Civil Society Response to the Super Cyclone

OSDMA in collaboration with Care India, Orissa office compiled and brought out a document titled *Rising to the Occasion: Civil Society Response to the 1999 Super Cyclone*. It contains useful information on the contribution of NGOs to the relief and rehabilitation efforts undertaken in the aftermath of the tragedy. The document was released on the occasion of the Orissa Disaster Preparedness Day.

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OBSERVANCE OF DISASTER PREPAREDNESS DAY

The Orissa Disaster Preparedness Day and the National Day for Disaster Reduction was observed on 29th October 2003 all over the State. The programme at the State capital started in the morning, with cycle rallies flagged off from Utkal University, KIIT, BJB College and OUAT, in which students and volunteers took part. The rallies converged at Jayadev Bhawan, where the State-level function was organized jointly by OSDMA, UN agencies and NGOs.

The theme for the observance of Disaster Preparedness Day this year was **Panchayati Raj Institutions in Disaster Preparedness and Response**. The Chief Minister, Sri Naveen Patnaik, Minister, Revenue and Law, Sri Biswabhusan Harichandan and Minister, Panchayati Raj, Culture and Information & Public Relations, Dr Damodar Rout graced the function as Chief Guest, Chief Speaker and Guest of Honour respectively. Senior officers including Development Commissioner, Agriculture Production Commissioner, Secretaries of several departments, representatives of UN bodies and the civil society, academicians, students, media persons and volunteers participated in the event. The Revenue Minister administered a collective pledge for strengthening disaster preparedness in the State.

In his address, the Chief Minister called upon all stakeholders to join hands to build a culture of preparedness. The Panchayati Raj Minister laid emphasis on community involvement by encouraging local representatives to play an active role in disaster management process. The Development Commissioner and the Agriculture Production Commissioner also addressed the participants. The Chief Secretary presided over the function.

Welcoming the guests and invitees, the Managing Director, Orissa State Disaster Mitigation Authority (OSDMA), Sri N. Sanyal said that quality control in civil works was necessary for risk reduction. He explained that disaster preparedness was everybody's responsibility and OSDMA was only one actor in the process. He said that the PRIs could play a significant role in disaster preparedness.

The dignitaries released several documents brought out on the occasion. The Chief Minister released a book titled **Rising to the Occasion: Civil Society Response to the Super Cyclone, 1999** brought out jointly by OSDMA and Care India, Orissa office. He also released the **Annual Report on Natural Calamities** prepared by Special Relief Organisation and published by OSDMA. A concept paper on the **Role of PRIs in Disaster Management**, training manuals and the latest issue of newsletter, **The Response** were also released. A film on post cyclone preparedness and mitigation initiatives titled **Mission Possible** was screened.

The Chief Minister conferred awards on Ms. Binodini Padhiary, Sri Debendra Behera, and Sri Gunadhara Sethi for their exemplary acts of courage. Prizes were given away to successful participants in the painting competitions conducted for school children at Bhubaneswar. Best Disaster Management Plans prepared at village, GP, Block and District levels were also awarded prizes. At the end, the Executive Director, Sri Siddhanta Das proposed a vote of thanks.

Volunteers trained by the Civil Defence Organisation demonstrated rescue techniques at the venue. An exhibition on disaster preparedness was also organized on the occasion.

The day was also observed in the districts and blocks. Rallies, competitions and meetings marked the observance.



Orissa Disaster Preparedness Day, 2003 : State-level Function

Grievance Redressal Mechanism: OSDMA has instituted a Grievance Redressal Mechanism to promote transparency and accountability in the post-disaster emergency reconstruction process. A Grievance Redressal Committee comprising representatives from government, academia, and civil society has been formed to deal with people's grievances regarding emergency reconstruction activities.



Cycle Rally on Disaster Preparedness Day, Raygada

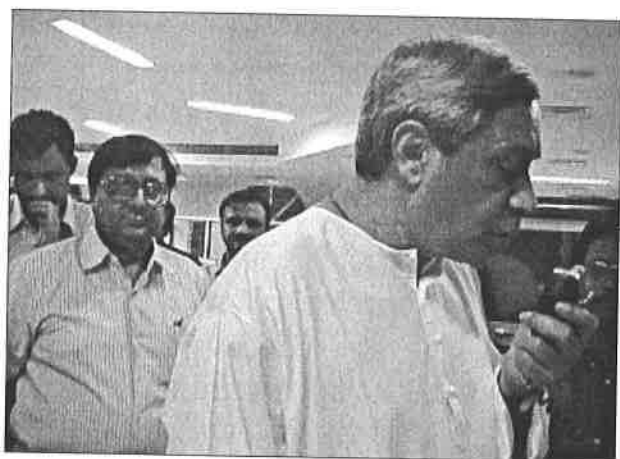
STRENGTHENING COLLABORATION

OSDMA believes in doing things together and attaches great value to participation of key stakeholders in disaster management initiatives in the State. It encourages involvement of CBOs, NGOs, UN Agencies, and other actors in the process of preparedness, response, and recovery. The NGO Coordination Cell is working towards strengthening collaboration with NGOs for more co-ordinated disaster management. GO-NGO Consultative Committees have been formed at State and District levels for regular discussion and coordination of various activities. In addition to holding



Livelihood Support

regular meetings with NGOs, OSDMA convened special consultations for solving specific problems. Through such consultation, OSDMA has formed a special working group comprising UN agencies and NGOs on 'Food Security in Drought prone Areas' of the State. OSDMA's close collaboration with NGOs facilitated better coordination of emergency response activities during the floods in July 2001.



Hon'ble Chief Minister at OSDMA Flood Control Cell

FLOOD RESPONSE 2003

During Floods 2003, a Control Cell functioned at OSDMA round the clock. Regular updates on rainfall, reservoir positions, water level of rivers at different locations, weather forecasts and deployment of ODRAF personnel were monitored. OSDMA initiated emergency NGO coordination to facilitate participation of civil society organizations in flood relief activities. International and local NGOs formed alliances and visited flood affected areas to study the situation and assess people's needs in the affected areas. Daily meetings were held at OSDMA to take stock of the situation and chalk out strategy of interventions.

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Hon'ble Chief Minister at OSDMA Flood Control Cell

Relief Provisions by UN Agencies/ NGOs

- Relief Kits: 29,000
- Flattened Rice: 3484 qtls
- Jaggery/Sugar: 521 qtls
- Cereal Powder: 45.55 qtls
- Rice: 5259 qtls
- Dal: 2396 qtls
- HighCal.Biscuits: 20.4 qtls
- Biscuit packets: 127600
- Child support kits: 4000
- Halogen tabs: 1.50 crore
- ORS sachets: 7.79 lakh
- Bleaching powder: 2046 qtls
- Tarpaulin/Polythene: 75,616 sheets
- Water containers: 27000
- Free Kitchens: 150
- Over 67 medical teams deployed
- Over 48,000 patients treated

NGOs participated in emergency health response activities and organised health camps in the most affected and needy areas in coordination with the office of the Special Relief Commissioner, the Collectors and CDMOs of the districts concerned.

GOVERNING BODY MEETINGS

The Governing Body of OSDMA met four times during the year, ie on 19th May, 18th October, 11th December 2003 and 15th March 2004.

FINANCIAL STATEMENT

The task of post-cyclone rehabilitation and reconstruction activities funded by the World Bank was assigned to OSDMA shortly after it was set up. The organization had to mobilize its resources, both men and materials, to take up this challenging task. It formulated its own Operations Manual, in which State Government principles and the directives and guidelines of the World Bank were fused. The Governing Body regulates its performance and guides its steps.

The uniqueness of the institution lies in its role as a coordinator, facilitator and organizer. The funds provided by the Government and other agencies are spent by OSDMA in getting programmes implemented, and at the same time, it also ensures maintenance of quality standards in construction through the line departments of Government.

The accounts of OSDMA are audited at regular intervals by various audit agencies. There is a provision for internal audit, which takes up audit on a continuous basis. The statutory audit takes up the audit of accounts on a half-yearly basis. Apart from these two audits, there is provision for audit by the World Bank and other external agencies in respect of their funds. Above all, the audit by the Accountant General, Orissa is undertaken every year. Thus, the expenditure incurred is subject to scrutiny by various audit organizations to ensure economy, efficiency and transparency.

During the year 2003-04, OSDMA received an amount of Rs 890,229,768.00 from various sources. The opening balance of the year was Rs 174,114,757.86. The total available amount was Rs 1,064,344,525.86. The total amount utilised/dispensed during the year was Rs 1,166,151,545.50 leaving a net negative balance of Rs 101,807,019.64. Moreover, an amount of Rs 555,967,000.00 was received from DFID for the construction of primary schools. The opening balance was Rs 84,478,374.20. The total amount available for these purposes was Rs 640,445,374.20. The amount utilised/ dispensed was Rs 197,327,865.75 leaving a balance of Rs 443,117,508.45. Besides, the Department of Elementary Education had placed an amount of Rs 40,178,387.00 as Custodian Fund in the previous year, out of which an amount of Rs 22,413,321.00 was utilised/dispensed, leaving a balance of Rs 17,765,066.00. The statement showing receipt and utilization of funds up to March 31, 2004 is given at the next page.

DETAILS OF RECEIPTS OF FUNDS AND UTILISATION / DISBURSEMENT THEREOF FROM 01-04-03 TO 31-03-04

Government & Other Related Grants	Purpose	Opening Balance as on 01.04.2003	Received during the Year	Total	Utilised/ Disbursed	Work done but not yet paid	Appropriated to Income & Expen. A/c.	Total Utilised/ disbursed	Balance as on 31.03.2004
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Government of Orissa & Reimbursement from World Bank	Matching grant for reconstruction works in cyclone affected areas	12,214,649.86	689,546,000.00	701,760,649.86	784,077,574.00	138,157,960.00	74,569,456.50	996,804,990.50	(295,044,340.64)
MPLAD Funds	Reconstruction of high school buildings	25,084,291.00	-	25,084,291.00	15,183,183.00	4,459,051.00	-	19,642,234.00	5,442,057.00
Chief Minister's Relief Fund, Orissa	Construction of 128 High School Buildings @ Rs.10 Lakhs each ,Infrastructure Development of 128 medical Institutions @ Rs10 Lakhs each, Construction of 60 Cyclone Shelters @ Rs 30 lakhs each and Construction of 27 Schools Building through Lucknow Oriya Samaj	36,152,873.00	99,650,318.00	135,803,191.00	91,828,446.00	7,567,915.00	154,000.00	99,550,361.00	36,252,830.00
Chief Minister's Relief Fund, Orissa	Donation from Godrej Group and SCAG for Innovative Projects	3,470,500.00	-	3,470,500.00	3,370,000.00	-	-	3,370,000.00	100,500.00
Board Of Revenue- Special Relief Branch Orissa-NFCR	Reconstruction work in Cyclone affected areas excluded from World Bank Finance	11,261,428.00	27,250,000.00	38,511,428.00	11,019,522.00	7,831,012.00	-	18,850,534.00	19,660,894.00
Board Of Revenue- Special Relief Branch Orissa-NFCR	Purchase Of Emergency Equipments and Inmaring Training for Disaster Management	43,014,933.00	-	43,014,933.00	6,352,371.00	-	-	6,352,371.00	36,662,562.00
Board Of Revenue- Special Relief Branch Orissa-NFCR	Grants For School Projects	-	20,000,000.00	20,000,000.00	-	-	-	-	20,000,000.00
UNDP (UN House)	National Disaster Risk management Programme	24,078,000.00	11,983,450.00	36,061,450.00	429,530.00	-	132,000.00	561,530.00	35,499,920.00
UNDP (UN House)	Block Disaster Preparedness Programme	2,747,189.00	-	2,747,189.00	23,000.00	-	-	23,000.00	2,724,189.00
CARE INDIA	Prep. Of Documents of NGO's Response to super Cyclone 1999	32,419.00	300,000.00	332,419.00	199,500.00	-	47,419.00	246,919.00	85,500.00
Govt. Of Orissa	Grant for Budgetary Support	-	10,000,000.00	10,000,000.00	-	-	-	-	10,000,000.00
Board Of Revenue-11 th Finance Commission	Satellite Telephones & VHI/HF Radio Communication System in Cyclone affected Areas	16,058,475.00	31,500,000.00	47,558,475.00	19,437,610.00	1,311,996.00	-	20,749,606.00	26,808,869.00
TOTAL		174,114,757.86	890,229,768.00	1,064,344,525.86	931,920,736.00	159,327,934.00	74,902,875.50	1,116,151,545.50	(101,807,019.64)
Other Grants	Purpose	Opening Balance as on 01-04-03	Received During The Year	Total	Utilised/ Disbursed	Work Done but not yet paid		Total Utilised/ Disbursed	Balance as on 31-03-04
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
DFID	Cyclone Support-Health Project	42,486,037.00	-	42,486,037.00	42,486,037.00	-	-	42,486,037.00	-
DFID	Study Of Damaged Schools Building	1,061,305.00	-	1,061,305.00	-	-	-	-	1,061,305.00
DFID	LIP Rehabilitation Projects	40,991,032.20	121,727,000.00	162,658,032.20	154,742,162.75	-	154,742,162.75	7,915,869.45	-
DFID	Constructions of Primary Schools Projects	-	434,240,000.00	434,240,000.00	99,666.00	-	-	99,666.00	434,140,334.00
Custodian Funds:	TOTAL	84,478,374.20	555,967,000.00	640,445,374.20	197,327,865.75	-	-	197,327,865.75	443,117,508.45
Dept. Of Elementary Education	Teaching & Learning Equipments for 12633 nos. Primary Schools	40,178,387.00	-	40,178,387.00	22,413,321.00	-	-	22,413,321.00	17,765,066.00
TOTAL		40,178,387.00	-	40,178,387.00	22,413,321.00	-	-	22,413,321.00	17,765,066.00

Note : Total Utilisation under World Bank Grant is higher than the sources of the same segment during the period dur to Accrual Accounting such as (a) Booking of Gross Expenses including Security Deposits and Retention Money, (b) Booking of Unpaid Expenditure, etc.

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Other Grants	Purpose	Opening Balance as on 01-04-03	Received During The Year	Total	Utilised/ Disbursed	Work Done but not yet paid		Total Utilised/ Disbursed	Balance as on 31-03-04
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DFID	LIP Rehabilitation Projects	40,931,032.20	121,727,000.00	162,658,032.20	154,742,162.75	-	154,742,162.75	7,915,869.45	-
DFID	Constructions of Primary Schools Projects	-	434,240,000.00	434,240,000.00	99,666.00	-	-	99,666.00	434,140,334.00
Custodian Funds:	TOTAL	84,478,374.20	555,967,000.00	640,445,374.20	197,327,865.75	-	-	197,327,865.75	443,117,508.45
Dept. Of Elementary Education	Teaching & Learning Equipments for 12633 nos. Primary Schools	40,178,387.00	-	40,178,387.00	22,413,321.00	-	-	22,413,321.00	17,765,066.00
TOTAL		40,178,387.00	-	40,178,387.00	22,413,321.00	-	-	22,413,321.00	17,765,066.00

Note : Total Utilisation under World Bank Grant is higher than the sources of the same segment during the period due to Accrual Accounting such as (a) Booking of Gross Expenses including Security Deposits and Retention Money, (b) Booking of Unpaid Expenditure, etc.

Governing Body

Governing Body

Chairman

Chief Secretary
Government of Orissa

Members

- Development Commissioner, Orissa
- Agriculture Production Commissioner, Orissa
- Secretary, Revenue Department
- Secretary, Finance Department
- Secretary, Housing and Urban Development Department
- Secretary, Works Department
- Secretary, Department of Water Resources
- Secretary, Home Department
- Secretary, Science and Technology Department
- Secretary, Rural Development Department
- Secretary, Panchayati Raj Department
- Speical Relief Commissioner, Orissa
- Representative of U.N. System
- Representative of Ministry of Agriculture, Government of India
- Professor Adawait Mohanty, Department of Economics, Utkal University
- Professor G.C. Mitra, IIT, Kharagpur
- Mr. Joe Madiath, Executive Director, Gram Vikas, Mahuda, Ganjam

Member Secretary

Managing Director, OSDMA

OSDMA Team

OSDMA Team

O S D M A has evolved as an organisation, drawing its human resources from the Government as well as from outside. The following executives/consultants were in position during the year 2003-04

Sri Aurobindo Behera

A member of the Indian Administrative Service
Managing Director
till June 01, 2003

Sri N. Sanyal

Managing Director :
A member of the Indian Administrative Service:
on deputation from GA Dept.
from June 02, 2003

Sri Siddhanta Das

Executive Director :
A member of Indian Forest Service;
on deputation from Forest & Environment Department

Sri Braja Kishore Pattnaik

Executive Director (Projects):
A Chief Engineer (W.R); on deputation from
Water Resources Department

Sri R.K. Pattnaik

Project Director
Lift Irrigation Points - (Rehabilitation Project):
Retired Chief Engineer; Department of Water Resources
till July 31, 2003.

Sri Raj Kishore Mishra

till August 21, 2003 AN and from January 31, 2004
Chief General Manager (Finance and Accounts) :
A member of Orissa Finance Service; on deputation from Finance
Department

Sri Rabindra Prasad Das

from August 21, 2003 AN
till January 30, 2004 AN

Sri Ratikanta Rath

Chief General Manager (Projects):
Superintending Engineer; on deputation from
Department of Water Resources.

Sri Harihar Sahoo

General Manager (Personnel and Administration):
A member of Orissa Administrative Service;
on deputation from GA Department

Dr. Arun Kumar Mohanty

General Manager (Documentation):
A member of Orissa Education Service (College Branch); on deputation
from Higher Education Department

Sri Nihar Ranjan Rout, till June 2, 2003 AN

Sri Basanta Kumar Mishra

Sri Saroj Kumar Das

Sri Manas Ranjan Kar

Sri Hari Krishna Padhi, till May 24, 2003 AN

Sri Gangadhar Sar, from October 10, 2003

Sri Surya Narayan Behera, from September 05, 2003

General Managers (Projects):
Executive Engineers; on deputation from Works, Water Resources
and Housing & Urban Development Departments.

Sri Himanshu Narayan Pattnaik

Sri Gyana Ranjan Das

Dr. Kamal Lochan Mishra, from February 26, 2004

Deputy General Managers:

Members of Orissa Administrative Service; on deputation from
Revenue Department

Sri Aswini Kumar Biswal

Deputy General Manager (Projects):

Assistant Executive Engineer; on deputation from Works Department

Sri Pravat Ranjan Mohapatra

Sri Ashok Das till November 15, 2003 FN

Managers:

Members of Orissa Administrative Service; on deputation from
Revenue Department

Sri Pradeep Kumar Mohanty

Sri A. Sudaṛsan Rao

Managers (Projects):

Assistant Engineers; on deputation from the
Department of Water Resources

Sri Dhaneswar Sahoo

Manager (Mechanical):

Assistant Engineer; on deputation from the
Department of Water Resources

Sri Harihar Dash, till June 16, 2003

Senior Divisional Accounts Officer

Sri K.B. Nayak, from September 24, 2003

DAO Grade-I

Accounts Officer; on deputation from the office of the Deputy
Accountant General (Works Accounts), Puri.

Sri Prafulla Kumar Mishra

Chief Engineer, Department of W.R. (Retd.)
Engineering Consultant

Sri Sanat Kumar Chatterjee

Chief Engineer, Works Department (Retd.)
Engineering Consultant

Sri P.K. Quanungo

EIC-cum-Secretary, Works (Retd.)

Technical Consultant (DFID), Primary School Reconstruction
Programme, from February 09, 2004

Sri Arabinda Ray

Systems Expert : A Computer Professional

Sri Satya Narayan Mishra

Social Scientist : An expert in Social Sciences

Sri Ranjan Kumar Singh

GIS Expert : A Professional in Geographical Information System

Sri M.R. Mohanty

Legal Retainer :

A lawyer; former member of the Orissa Judicial Service



OSDMA ORISSA STATE DISASTER
MITIGATION AUTHORITY
(A Government of Orissa Agency)

Rajiv Bhawan, Unit-V, Bhubaneswar - 751 001, Orissa, India
Tel : 91-674-2401769/773, E-mail : osdma@osdma.org

www.osdma.org