



GOVERNMENT OF ORISSA

MEMORANDUM

ON

DAMAGES CAUSED BY THE SUPER CYCLONIC STORM

OF RAREST SEVERITY

IN THE STATE OF ORISSA

ON

29-30TH OCTOBER, 1999.

REVENUE DEPARTMENT

o/c

[illegible]

Government of Orissa
Revenue Department

No. _____ /R., Dt.

From

Sri J.K. Mohapatra, IAS
Commissioner-cum-Secretary to Govt.

To

The Central Relief Commissioner,
Ministry of Agriculture,
Government of India, New Delhi.

Sub. Additional memorandum on damages caused by the Severe Cyclone of
17th-18th October, 99 and the Super Cyclone of 29th-30th October, 99.

Sir,

In continuation of this Department letter No.58890 dt.1.12.99 in which the memorandum on damages caused by the super cyclonic storm was submitted, I am directed to enclose herewith an additional memorandum indicating the extent of agricultural land and cast, damages caused to betel vines alongwith requirement of funds for payment to the affected farmers.

Considering the plight of the cyclone victims, the State Government have taken a decision to exempt students of High Schools and Colleges in the affected areas from payment of tuition fees and examination fees. As a result of this the State is to bear an additional burden to conduct the examinations. The financial support needed for imparting education and conduct of examinations is also included in the additional memorandum.

These requirements which were not included in the original memorandum submitted earlier came up during discussions with the visiting Central Team on 23.12.99 wherein it was decided that the State Government should submit an additional memorandum for consideration of Government of India.

It is therefore requested that the requirements projected in the additional memorandum may also be taken up for consideration alongwith original memorandum for the purpose of sanction of financial assistance to the State Government to take up relief and rehabilitation measures in the cyclone affected areas.

Yours faithfully,

Sd/-

Commissioner-cum-Secretary to Govt.

Memo No. 1577 /R., dt. 11.1.2000 ✓

Copy with copy of enclosures forwarded to Spl. Relief Commissioner, Bhubaneswar for information and necessary action.

Commissioner-cum-Secretary to Govt.

ADDITIONAL MEMORANDUM ON DAMAGES CAUSED BY THE
SEVERE CYCLONE OF 17TH-18TH OCTOBER, 99 AND THE SUPER
CYCLONE OF 29TH-30TH OCTOBER, 99.

Extent of Agricultural Land Sand Cast:

In the unprecedented high flood that followed that torrential rains during the severe cyclone and the super cyclone of October, 99, large extent of agricultural land in the coastal districts were sand cast rendering them unfit for cultivation. As per the reports received from 12 coastal districts 17106.916 hectares of land have been sand cast, the thickness of sand lying from 6 inches to more than 5 feet at different places. These lands, belonging mostly to small and Marginal Farmers need immediate reclamation so as to make them fit for cultivation. As per provision of Orissa Relief Code reclamation assistance @ Rs.2500/- per hectare is to be paid to the farmers for which an amount of Rs.427.674 lakh would be required. The districtwise requirement is indicated in the Statement at Annexure-I.

b) Damage to the Betel Vines:

There were large number of betel vines in the coastal districts belonging mostly to small and Marginal Farmers and in quite a few cases this was the only source of income of the family. The 2 cyclones of October, 99 coming in quick succession have caused total destruction of the betel vines. The reports received from 12 coastal districts reveals that 30242 betel vine farmers have been affected. In order to provide assistance to the farmers as per Relief Code provisions which is quite meagre being Rs.500/- only per betel vine unit, the total amount of assistance works out of Rs.151.215 lakh. Districtwise details are given at Annexure-I.

c) Requirement of Funds on account of exemption of tuition fees and examination fees to the students of cyclone affected areas:

The severe cyclone and super cyclone of October, 1999 have left about 19 lakh people homeless. Their belongings have either been swept away or damaged beyond economical repair. When the people in the cyclone-affected areas are struggling to get two square meals a day, it would be too much to expect them to pay for the continuance of education of their children. Hence, apprehending a large number of dropouts, the State Government have decided to exempt students in cyclone affected areas from payment of tuition fees and examination fees. The State Government has to bear an additional burden of Rs.864.19 lakh on account of exemption of examination fees to the students appearing for the School and University examinations and another Rs.194.12 lakh on account of exemption of tuition fees of University students. The break-up of above requirement is indicated in Annexure-II & III.

Annexure-I

Statement showing extent of agricultural land sand cast and loss to the betel vines in cyclone/flood of October, 1999 along with requirement of funds towards payment of reclamation cost.

Sl. No.	Name of the District	Extent of Land Sand Cast (in Hectares)	Amount of reclamation grant payable as per relief code @ Rs. 2500/Hca) (Rs. in lakhs)	No. of Betel Vines damaged	Amount of compensation payable as per Relief Code provision @ Rs. 500/- Unit (Rs. in lakhs)
1.	Balasore	543.00	13.575	-	
2.	Bhadrak	Nil		625 No. Ac.62.50	3.125
3.	Cuttack	171.468	4.287	5256 Nos. Ac.793.30	26.28
4.	Dhenkanal	977.00	24.425	Nil	Nil
5.	Jagatsinghpur	8050.00	201.250	5600 Nos.	28.00
6.	Jajpur	3345.20	83.63	113 No Ac.36.00	0.565
7.	Kendrapara	Nil	-	25 Nos in 4 villages	0.125
8.	Keonjhar	1784.30	44.608	-	-
9.	Khurda	275.00	6.875	6622 persons Ac. 616.75	33.11
10.	Mayurbhanj	1159.948	28.999	-	-
11.	Nayagarh	45.00	1.125	Nil	-
12.	Puri	100.00	2.50	3720 Nos. Ac.177.25	18.60
13.	Ganjam	656.00	16.40	8281 Nos. Ac.1323.06	41.41
14.	Gajapati	-	-	-	-
Total		17,106.916	427.674	30242	151.215

**AMOUNT REQUIRED ON ACCOUNT OF EXEMPTION OF EXAMINATION FEES
WHICH WILL BE REIMBURSED TO UNIVERSITIES/CHSE./BSE.**

Annexure-I

HIGHER EDUCATION DEPARTMENT

<u>Name of the University/CHSE</u>	<u>Amount to be paid towards Examination fees.</u>
1. Utkal University	Rs. 2,00,00,000-00
2. Berhampur University	Rs. 1,19,000-00
3. Sambalpur University	Rs. 17,835-00
4. Sri Jagannath Sanskrit University	Rs. 30,00,000-00
5. Council of Higher Secondary Education	Rs. 1,63,00,000-00
6. C.A.M.S., Cuttack	Rs. 10,000-00

Total Rs. 3,94,46,835-00
Or
Rs. 3,94,47,000-00

SCHOOL & MASS EDUCATION DEPARTMENT

1. Primary Scholarship Examination	Rs. 8,50,000-00
2. ME Common Examination	Rs. 1,06,88,000-00
3. H.S.C. Examination	Rs. 3,54,34,000-00

Total Rs. 4,69,72,000-00

ANNEXURE-III

STATEMENT SHOWING REQUIREMENT OF FUNDS ON ACCOUNT OF EXEMPTION OF TUITION FEES.

<u>Name of the Organisation</u>	<u>Tuition fees</u>
1. Govt. and Non-Govt. Colleges (Students belonging to +2,+3, P.G. & M.Phil).	Rs.1,90,62,681-00
2. Sambalpur University	Rs. 35,976-00
3. Utkal University, NOU & F.M. University	Rs. 1,50,000-00
4. Berhampur University	Rs. 91,000-00
5. Sri Jagannath Sanskrit University	Rs. 50,000-00
6. College of Accountancy & Management Studies, Cuttack (Govt. Organisation).	Rs. 22,638-00
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Total	Rs.1,94,12,295-00
Or say Rs.1,94,12,000-00	

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MEMORANDUM
ON DAMAGES CAUSED BY THE SUPER CYCLONIC STORM OF
RAREST SEVERITY IN THE STATE OF ORISSA ON
29-30TH OCTOBER, 1999.

INTRODUCTION

A succession of severe natural disasters have wreaked havoc in the poverty ridden State of Orissa during the current year. First the State experienced a severe flood in August, 1999 affecting 7 coastal districts. Next came the severe cyclonic storm on 17-18th October, 1999 which hit the coastal districts in general and Ganjam district in particular causing wide spread and unprecedented damages to life and property mostly in the Ganjam District. Within a span of 10 days, the State was again hit by the most severe *Super Cyclonic Storm* on 29-30th October, 1999 which ravaged all the coastal districts in general and Jagatsinghpur, Kendrapara, Cuttack, Khurda and Puri in particular. The *Super Cyclonic Storm* was followed by torrential rains ranging from 447 mm to 955 mm rain fall from 29th October to 1st of November causing very high flood in Baitarani, Budhabalanga, and Salandi river basins, which severely affected and marooned vast areas of the districts of Jajpur, Bhadrak, Keonjhar, Balasore and Mayurbhanj. At landfall point near Paradeep coast on 29th October, 1999 the wind velocity is estimated to be 270 to 300 Kms. per hour. After hitting the Paradeep coast, the cyclonic storm with tidal wave of 5 to 7 meters height ravaged the coastal districts of Jagatsinghpur, Kendrapara, Puri, Khurda and Cuttack and affected Keonjhar, Dhenkanal, Nayagarh districts. The State capital Bhubaneswar and the commercial hub of the State, Cuttack were completely devastated. All surface communication systems, tele-communication, power supply and water supply were totally disrupted for more than 48 hours even in the State Capital. The country had not witnessed a calamity of such rare severity during the current century.

2. SEVERITY OF CYCLONE

A well-marked low-pressure area lay over North Andaman Sea and neighbourhood at 251200 UTC. It intensified rapidly into a cyclonic storm over North Andaman sea and lay centred at 260300 UTC within half a degree of Lat. 13.5 North Long. 95.0 degree East about 350 Kms North-East of Portblair. It moved North-eastwards and lay centred at 261200 UTC within half a degree of Lat. 14.5 degree North Long. 94.0 degree East. It moved North-west wards and intensified into a severe Cyclonic Storm over East central Bay and lay centred at 270300 UTC within half a degree of

Lat. 16.0 degree North Long. 92.0 degree East about 800 Kms South-East of Paradeep. It further moved North-Westerly wards and lay centred at 271200 UTC within half a degree of Lat. 17.0 degree North Long. 90.5 degree East about 600 Kms South-East of Paradeep. It remained practically stationary and intensified into a very severe Cyclonic Storm and lay centred at 271500 UTC within half a degree of Lat. 17.0 N. Long. 90.5 East. It intensified further and moved in a North-Westerly direction and lay centred at 280300 UTC within half a degree Lat. 18.0 North Long. 89.0 East about 350 Kms. South East of Paradeep over West central and adjoining North-west Bay. It moved North-westerly wards and lay centred at 281200 UTC within half a degree of Lat. 19.0 North Long. 87.5 East about 180 Kms Southeast of Paradeep. It intensified into a "Super Cyclonic Storm" and lay centred at 281800 UTC within half a degree of Lat. 19.3 N Long. 87.2 East about 130 Kms South-east of Paradeep. It moved North-westerly wards and lay centred at 290000 UTC within half a degree Lat. 19.6 North Long. 87.0 East about 75 Kms South-East of Paradeep. It moved north-westerly wards and lay centred at 290300 UTC within half a degree of Lat. 19.9 North Long. 86.7 East about 25 Kms Southeast of Paradeep. It crossed Orissa Coast near Paradeep and lay centred at 290430 UTC little north of Paradeep. It moved north-westerly wards and weakened into a very Severe Cyclonic Storm and lay centred at 290900 UTC close to Cuttack. The very severe cyclonic storm remained practically stationary close to Cuttack at 291200 UTC. It weakened into a Cyclonic storm remaining practically stationary close to Cuttack at 0300 UTC and 1200 UTC of 30.10.99. It weakened into a depression and lay centred at 0300 UTC of 31.10.99 close to Chandbali and further weakened into well marked low-pressure area at 12.00 UTC of 31.10.99 over coastal Orissa and adjoining North coastal Andhra Pradesh and North-Westerly Bay of Bengal. The map showing the movement of the cyclonic storm and the rainfall in different districts is given in Annexure-I-A and I-B.

3. DISSEMINATION OF CYCLONE WARNING AND EVACUATION :

As soon as the 1st cyclone warning was received on 26th afternoon, the Collectors of the districts likely to be affected were alerted by wireless, fax and through personal contact. Right from the beginning, instructions were issued to take preparatory measures to meet any eventuality and to mobilise district level officers and to alert local police, the telecom authorities and the police communication net work. The district Collectors were asked to make preparations for evacuation from the vulnerable coastal areas. Right through 27th and 28th of October 1999 the District

Collectors were personally kept posted about the movement of the storm and its likely ferocity. They were specifically directed to arrange evacuation of people from coastal areas upto 10 Kms. From 28th October, 1999 onwards. The Doordarsan and the AIR also arranged dissemination of special cyclone bulletins on hourly basis. Through these bulletins as well as through local announcements even people of inland and urban areas living in kuchha houses were advised to shift to public/community buildings. Nearly 1,50,000 people were evacuated in the coastal districts of Puri, Bhadrak, Jagatsinghpur, Kendrapara and Balasore through these measures. The State Cabinet held an emergency meeting in the evening of 28th October to review the disaster preparedness measures. Telecommunication links from the State Headquarters to almost all the districts were disrupted around 7.30 A.M on 29th October, 1999 and there after the situation could not be monitored.

4. AREAS AFFECTED :

About 13 million people in 97 Blocks, 28 Urban Local Bodies in 12 Districts have been severely affected by *Super Cyclonic Storm* including the State Capital and the oldest city of Cuttack. The agriculturally prosperous districts of Khurda, Puri, Cuttack, Jagatsinghpur, Kendrapara have been devastated due to *Super Cyclonic Storm* whereas the district like Jajpur, Bhadrak, Keonjhar, Balasore and Mayurbhanj were severely affected by the unprecedented flood. The district-wise Blocks, Urban Local Bodies, Gram Panchayats and population affected is given in *Annexure-I-C*

5. DAMAGE DUE TO SUPER CYCLONIC STORM:

The damages caused by *Super Cyclonic Storm* can be broadly classified under three categories. The first relates to loss of human life and loss of livestock. The second relates to devastation caused to public and private properties including private buildings, public buildings, power supply system, communication system, and water supply system. The third category relates to severe loss caused to agricultural and plantation crops, dislocation of agricultural operation, impact on the livelihood of farmers, agriculture labourers, village artisans, weavers and fishermen.

5.1 Loss of human and animal life :

According to the reports received from the districts till 28.11.99, the *Super Cyclonic Storm* has taken a toll of 9,885 human lives out of which 8,119 are from Jagatsinghpur district alone.

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5.2 As per report received from Director, Veterinary Services up to 27.11 causality of livestock is as follows:

Buffalo	-	13464
Bullock	-	52973
Cow	-	156424
Calf	-	90232
Sheep	-	103127
Goat	-	196212
Pig	-	8945
Poultry birds	-	1151245

5.3 Damages to houses:

As per preliminary reports received from Collectors, 15,79,582 katcha and pucca houses have been damaged due to the *Super Cyclonic Storm* and unprecedented flood. The figure may go up after detailed enumeration is completed.

5.4 Damage to Agriculture :

Due to *Super Cyclonic Storm* with wind speed of 270 to 300 Kms per hour followed by incessant rain of 400 mm to 867 mm for a continuous period of 4 days and saline inundation due to high tidal waves in the coastal districts, standing paddy crops have been severely damaged. The total estimated value of loss to crop would be about Rs.1733.00 crores.

6. DAMAGE OF PUBLIC PROPERTIES :

Economic, social and administrative infrastructure have suffered unprecedented devastation in the affected districts, the State capital Bhubaneswar and in the silver city of Cuttack. Surface communication (including Railways), telecommunication power supply, water supply and irrigation systems have sustained severe and unprecedented damages. As many as 39 towers along 220 KV and 130 KV transmission lines have either collapsed or have suffered irreparable damages. The National Highway No.5 was breached near Soro disrupting road communication between Bhubaneswar and Calcutta. Large number of Canal embankments, saline embankments, and river embankments, rural roads have been breached. Primary Secondary, High School, College buildings and University buildings in the affected districts have been badly damaged. Government buildings and private buildings in rural areas have also suffered severe damage. The Department-wise brief note on damages and amount required for repair and restoration is given in succeeding paragraphs.

6.1. AGRICULTURE DEPARTMENT :

Standing khariff paddy crops in 13.51 lakh hectares, 2.57 lakh hectares of non paddy crops and horticulture crops in 1.76 lakh hectares in the 12 affected districts

have been severely damaged due to *Super Cyclonic Storm* followed by heavy rain and saline inundation up to 25 Kms in the coastal belt. The total value of loss to the standing Khariff crops and horticulture crops would be about Rs.1733.00 crores. The twelve affected districts are expected to have crop loss up to 75% this year affecting about 15 lakh families. It is proposed to give seed at 50% subsidised rates to the affected farmers to raise a good Rabi crop to sustain their livelihood. It is also proposed to give vegetable seeds to the vegetable growers at subsidised rates. An amount of Rs.20.00 crores is required for providing rabi seed subsidy and horticulture seed subsidy in 2.82 lakh hectares under agriculture crops and 0.51 lakh hectares under vegetable in the affected districts. Similar assistance may be required for the next Kharif.

(a) Agricultural-inputs and mini kits etc.

It is proposed to give 3.00 lakh vegetable mini kits @ Rs.150 per kit, inputs to 1.00 lakh coconut growers @ Rs.500.00, per farmer, Mini kits to 2.30 lakh farmers for growing banana, papaya, guava and kagji- lime @ Rs. 150.00 per farmer, and inputs to 2000 betel vine farmers in the cyclone affected areas @ Rs. 1000/- each.. It is also proposed to give fertiliser, sprayers and diesel pumps at subsidised rates. An amount of Rs. 85.74 crores is required for the purpose. It is also proposed to give 750 tractors on hire scheme and agriculture implement at 75% subsidy through Orissa Agro Industries Corporation. An amount of Rs.8.00 crores is required for the purpose.

(b) Private L.I.Points & Agro Enterprises :

It is proposed to install 30,000 private L.I. points through OAIC at 50% subsidy to provide assured irrigation. It is also proposed to install 150 to 200 Agro Enterprises with capital investment subsidy as per norms of State Agriculture Policy, 1996, to provide employment opportunities to large numbers of skilled and unskilled personnel. An amount of 125.00 crores is required for private L.I. points and Agro Enterprises.

(c) Restoration of plantation, buildings and infrastructure :

An amount of Rs.43.61 crores is required for gap filling of cashew plantation and restoration of plantation infrastructure and the repair of buildings.

(d) Supply of Tractors and Power Tillers:

Most of the farmers in the cyclone affected districts have lost their bullocks. Even if subsidised seeds are supplied, they will not be in a position to cultivate their lands unless some assistance is given to purchase Tractors or Power Tillers. It is proposed

to supply 3,000 power tillers and 2,000 Tractors at 50% subsidy to farmers in the Cyclone affected districts. An amount of Rs.35.00 crores is required for the purpose.

(e) Cashew Development Corporation:

Cashew plantations in 188 patches covering 0.135 lakh hectares in the cyclone affected areas have been damaged. 3,47,808 nos. of cashew trees have been uprooted and 6,05,542 cashew trees have been partly damaged. An amount of Rs.28.00 crores is required for re-plantation of the damaged area.

(f) Damages to Orissa University of Agriculture and Technology.

The buildings of Orissa University of Agriculture and Technology, Bhubaneswar i.e. houses, pump house, processing plants, work-shop thrashing floors, godowns, electric and water supply system have been damaged. An amount of Rs.2.93 Crores is required for repair and restoration of the damaged properties of OAUT. In total Rs.272.35 crores is required under Agriculture sector. Details are given in Annexure-II.

6.2. COMMERCE AND TRANSPORT DEPARTMENT :

Due to *Super Cyclonic Storm* installations of the Paradeep Port and Dhamara Port have been severely damaged. Power boats of the Inland Water Transport Organisation have been badly damaged.

Eleven motor launches of Astaranga, Chandabali and Chilika sector have been damaged. An amount of Rs. 5.43 crores is required for repair and restoration of Port installation and Rs.14.75 crores is required for repair and restoration of Inland Water Transport Installation. In total of Rs.20.18 crores is required for repair and restoration of the port installation and I.W.T. installations.

6.3 CO-OPERATION DEPARTMENT:

(a) Conversion of short-term to medium-term loan:

The State share of 15% out of RS.128.00 crores short term loan to be converted into medium term loan by the Co-Operative Banks. An amount of RS.19.20 crores is required.

(b) Agricultural credit stabilisation fund:

This is used for meeting 25% of the loan to be converted i.e. 25% of RS.128.00 crores payable by the O.S.C.Bs. out of borrowing from A.C.S.F. An amount of Rs.32.00 crores is required.

(d) Crop Insurance :

The State share amounting to $\frac{1}{3}^{rd}$ of the total claim of Rs.105.00 crores as calculated in consultation with the G.I.C. on 25.11.99. An amount of Rs.35.00 crores is required.

(e) Damage to Government and CO-operative Office building, godowns, stocks etc.

An amount of Rs.16.00 crores is required for the purpose.

In total, an amount of RS. 102.20 crores is required for the above purpose.

(f) Relaxation of norms by NABARD.

NABARD has already been moved by co-operation Department for the following :

- (i) To allow conversion of short-term loan to medium term loan repayable in five annual instalments after two years moratorium.
- (ii) To relax conditions for refinance to 12 CCBs not complying provisions of Section 11 of the Banking Regulation Act, 1949.
- (iii) To introduce instant fresh finance scheme under which any person who repays old loan can be eligible for fresh loan irrespective of the ineligibility of the Banks.

6.4. EDUCATION DEPARTMENT :

(a) Higher Education :

Large number of buildings of the Government Colleges, Shree Jagannath Sanskrit University and Utkal University have been damaged due to *Super Cyclonic Storm*. An amount of Rs.46.84 crores is required for repair and restoration of Government College buildings and University buildings. Besides that 53 private College buildings have been damaged severely. An amount of Rs.19.40 crores is required for repair and restoration.

(i)	Utkal University	-	10.00 crores
(ii)	Sri Jagannath Sanskrit University	-	0.50 crores
(iii)	Government Colleges	-	36.34 crores
(iv)	Non-Government Colleges	-	<u>19.40 crores</u>
	TOTAL	-	66.24 crores

(b) School and Mass Education :

A very large number of Upper Primary and High School buildings have been damaged due to *Super Cyclonic Storm*. In total 3,425 High Schools and 14,901 number of Primary and Upper Primary Schools have been severely damaged. Most of the students in the cyclone affected districts have lost their books, reading and writing materials and school uniforms. An amount of Rs.1024.21 crores is required to provide text Books, school uniform, reading and writing materials to the students and for repair/restoration of school buildings in the cyclone affected areas. Details are given in *Annexure-III*.

6.5. ENERGY DEPARTMENT :

Power supply system in all the coastal districts, Bhubaneswar and Cuttack City have been disrupted due to Super Cyclonic Storm. 39 towers along 220 KV and 130 KV transmission lines have either collapsed or have suffered irreparable damages. An amount of Rs.130.00 crores required for repair and restoration of EHT lines and substations, Rs. 267.00 crores is required for repair and replacement of electric lines. So in total Rs. 400.00 crores is required for repair and restoration of power supply system in the Cyclone affected districts. Details are given in Annexure – IV.

6.6 FISHERIES AND ANIMAL RESOURCES DEPARTMENT :

(a) Fisheries Sector :

Balasore, Bhadrak, Kendrapara, Jagatsinghpur, Puri and Khurda districts were severely affected by the *super cyclone* on 29-30th October, 1999. The total number of fisherman families affected by the cyclone is 25,889.

153 Government buildings including staff quarters and two Fishing Harbors (one at Gopalpur and one at Astarang) and 19 jetties have been damaged by the cyclone. For repair and restoration of the Government building, staff quarters and jetties, the requirement of funds is approximately Rs.579.00 lakhs or say Rs.6.00 crores.

The total no. of boats of traditional fishermen relating to marine sector including Chilika fully or partially damaged by the cyclone is 9,085. It is proposed to give financial assistance of Rs. 3,500.00 for each damaged boat. The requirement of funds for this purpose would be of the tune of Rs.3.18 crores.

The total number of nets of poor traditional fishermen lost in the cyclone is 22,143. It is proposed to give financial assistance to the affected fishermen families @ Rs.1500 per net. The requirement of funds for this purpose would be Rs.3.32 crores.

Eight hundred fifty houses of poor fishermen have completely been damaged. The estimated loss of their dwelling houses has been reported to be of the tune of Rs. 2.97 crores.

Besides, O.P.D.C. and FISHFED, two Government of Orissa undertakings under this Department have also suffered loss. The loss of O.P.D.C. (Diesel outlets, Net Units, Ice Plants etc.) has been calculated at Rs .61.00 lakhs where as the loss of FISHFED has been assessed to be RS.1.63 crores which includes Ice Plants, Fish Farms and net sale centres.

(b) Animal Resources Development Sector :

The Livestock Sector has been among the few growth sectors in rural areas of coastal Orissa over the past five decades. Majority of the rural households depend on Livestock farming as the primary source of livelihood or as a major source of

supplementary income. One of the worst victims of the recent cyclone is the livestock sector which will have serious repercussions on the rural economy.

(c) Government property damaged :

Three Departmental Farms and 823 Departmental Institutions have been damaged in the cyclone for which requirement of funds is Rs. 17.48 crores.

(d) Cattle feed and Fodder :

Acute scarcity of cattle feed/fodder is being experienced in the affected areas. Cattle feed is to be supplied to about 7.5 lakh cattle for at least 7 days at the rate of 2 Kgs. per animal. A sum of Rs.6.3 crores is required to provide 10,500 MT cattle feed to the affected farmers.

One lakh Minikits with fertilisers for growing fodder in farmers plots are to be supplied. For this a sum of Rs.115.00 lakhs is required.

Medicines worth of Rs.20, 000/- per Veterinary Dispensary are to be supplied to 56 veterinary Dispensaries and medicines worth of Rs.5,000/- are to be supplied to each of the 386 Livestock Aid Centre's for vaccination of Livestock and poultry. Provisions have to be made for mobile veterinary aid and services to gear up the veterinary services in rural areas. To undertake all these activities the requirement of funds is Rs 0.60 crores

Besides the above, funds are also required for the following purposes.

S.N	Particulars	Amount (in lakh)
(1)	(2)	(3)
1	Compensation for loss of animals and birds	2420.48
2	Supply for chicks for immediate recovery program	322.50
3	Establishment of backyard poultry units for sustenance of poor families	938.00
4	Community Fodder Cultivation to overcome feed crisis and to generate employment	190.00
5	Growing of perennial trees for fodder and protection of environment	186.00
6	Development of fodder Nurseries to supply fodder plants.	13.80
7	Introduction of loan scheme for supply of milch animals, Bullocks, Bullock carts, sheep, goat and establishment of broiler units.	8676.30
8	Introduction of village revolving funds	542.50
9	Establishment of Private service centres	96.00
	TOTAL	13947.58 or 139.48 crores

The total requirement of funds for Fisheries and Animal Resources Development Department is Rs.179.39 crores.

(e) Loss of OMFED :

Assets of Orissa State Co-operative Milk Producers' Federation (OMFED), its district milk unions, primary societies and milk producer members have sustained extensive damages. As a result, activities of OMFED have suffered a serious setback. The Bhubaneswar Dairy, Cattle Feed Plant, Training Centre and the Corporate Office have been damaged besides the society buildings, equipment's, furniture & fixtures. The estimated loss comes to the tune of Rs.14.6 crores.

6.7 FOOD SUPPLY AND CONSUMER WELFARE DEPARTMENT:

The severe cyclone on 17-18 October, 1999 and *Super Cyclone* 29-30th October 1999 have brought the economic level of about 15 million people of the 14 coastal districts to uniform level. It is necessary to provide BPL rice at the rate of 20 Kgs per family per month for 5 months to all the families in the affected areas, irrespective of whether they belong to the BPL category or not as a measure of Food Security. Accordingly, 3,14,250 MTs of rice is required @ 62850 MT of rice per month for about 31.42 lakh families from November, 1999 to March, 2000. Out of this 2,17,540 MT has been received. Government of India may kindly allot the balance quantity of 96,710 of BPL rice.

6.8. FOREST AND ENVIRONMENT DEPARTMENT :

The super cyclone has caused extensive damage to the departmental buildings, forest roads, trees in the forest and plantation, animal enclosures in the Nandankanan Zoo, nurseries and Research Centres. An estimated 90 million trees from the coastal shelter belt plantations, reserve forest blocks, village woodlot plantations, roadside avenues, private and Government lands and village common lands, city plantations, research gardens and zoological parks and sanctuaries have been uprooted or damaged. About 95,750 hectares of forest area comprising sal, teak and bamboo forests, village woodlot plantations, mangrove forests and coastal wind-brake plantations have been affected, besides loss of tree cover from the cities and vast rural areas, including about 1500 Kms of roadsides. The entire affected belt is denuded of its green cover.

Besides, there has been damage to 621 departmental buildings, 576 Kms. of forest roads, 47 bridges on these roads, loss of 31 VHF installations and several boats, motor launches and vehicles. Eight silvicultural research centres and the Regional Plant Resources Centre, Bhubaneswar have also suffered extensive damage.

Unless extensive repair and restoration measures are taken immediately, there will be severe long-term impact on the ecology and environment of the region. A program of massive plantation and reforestation measure is also necessary to generate large scale wage-employment in the affected areas. It has been proposed to re-establish the coastal shelter belt over 18000 hectares and rehabilitate the mangrove forests and potential mangrove areas over 25000 hectares. A massive program of distribution of tree saplings through decentralised nurseries is also necessary, so that people may come forward to plant up their own lands and village commons. Green cover also needs to be restored to the urban areas and the roadsides. The Nandankanan Zoo and other zoos affected need to be rebuilt. The approximate cost of these restoration measures has been worked out to be Rs.283.70 crores, as per at Annexure-V.

6.9. GENERAL ADMINISTRATION DEPARTMENT :

(a) Non-residential building :

Due to the *Super Cyclonic Storm*, the State Secretariat building, Raj Bhawan, Heads of Departments buildings, Orissa Legislative Assembly building and market buildings under the control of General Administration Department, buildings of Orissa State Administration Department, Vigilance Department buildings, cuttack, buildings of Gopabandhu Academy of Administration have been severely damaged. The door and window shutters, compound walls, PH works, electrical installations, plantations have been severely damaged. An amount of RS.2.45 crores is required for repair and restoration of the damaged properties of the official buildings.

(b) Residential buildings:

About 8,000 residential buildings at Bhubaneswar and Cuttack have been severely damaged due to up-rooting of trees and severe cyclone. Door and window shutters, asbestos roofs, plantations have been severely damaged. An amount of Rs.5.00 crores is required for repair and restoration of the residential quarters.

(c) Roads, PH Works, Electrical works and parks :

About 500 Kms of the roads in the capital city of Bhubaneswar and the silver city of Cuttack has been damaged due to water logging and falling of trees. The water supply system and electrical installations and street lighting, parks maintained by

B.D.A. and General Administration Department have been substantially damaged. An amount of Rs.27.60 crores is required for repair and restoration of the damaged properties.

In total Rs. 35.05 crores is required for repair and restoration of non-residential and residential buildings, roads, water supply system, electrical installations and parks maintained by General Administration Department.

6.10. HANDLOOM AND TEXTILES DEPARTMENT:

Due to the severe *Cyclonic Storm*, 21,702 weavers belonging to 352 Weavers Co-operative Societies have been affected. Their looms, work sheds, dying sheds have been severely damaged. The total extent of damage is estimated to RS.31.72 crores. Besides, that buildings of OTM., SPINFED, Sericulture sector have also been damaged. An amount of Rs.65.94 crores is required for providing new looms to the weavers and repair and restoration of damaged properties of Textiles & Handloom sector as follows :

I)	TOTAL DAMAGES IN HANDLOOM SECTOR:		
(a)	Handloom weavers	-	Rs. 3172.43 lakh
(b)	OSHWCS	-	Rs. 396.80 lakh
			Rs. 3569.23 lakh
II)	TOTAL DAMAGES IN TEXTILE SECTOR:		
(a)	OTM	-	Rs. 2000.00 lakh
(b)	SPINFED	-	Rs. 989.00 lakh
			Rs. 2989.00 lakh
III)	TOTAL DAMAGES IN SERICULTURE SECTOR:		
			Rs. 35.30 lakh
	Grand Total (I + II + III)		Rs. 6593.73 lakh

6.11. HEALTH AND FAMILY WELFARE DEPARTMENT:

(a) Peripheral health institutions :

The devastating *super cyclone* of 17 and 29-30th October, 1999 has caused enormous damage to infrastructural facilities at all levels of the healthcare delivery system. Around 1485 number of peripheral health institutions were damaged, either partially or completely. Around 80% of the quarters of the medical and paramedical staff were damaged in this cyclone, causing demoralisation among the staff, and reluctance to face subsequent challenges. Electricity failure caused difficulties in

providing emergency medical services at health institutions. It also caused total breakdown of the cold chain system meant to preserve costly vaccines and life saving drugs. Lack of mobility due to inadequate availability of vehicles and roadblocks restricted the out reach of health services to people affected by the cyclone. Lack of residential accommodation at single doctor institutions caused difficulties even to doctors and paramedical staffs who were temporarily deployed. Non availability of funds for emergency contingencies also caused problem for the district authorities to meet the situation. In the aftermath of the cyclone the following actions are necessary.

- (i) Reconstruction and renovation of buildings with RCC roofs(cost Rs.99.35 crores approximate-statement attached)
- (ii) Repair and replacement of furniture, instruments and equipment (cost Rs.10.00 crores approximate)
- (iii) Facility of HAM for emergency communication at district and state level.
- (iv) Provision of gaslight and Kerosene stove at all sub-centres.
- (v) Provision of generators of 2 KV power at each of the PHCs (New) and CHCs (Cost : Rs.2.00 crores)
- (vi) Funds for contingencies @ Rs.10.00 lakhs per district through the ZSS to meet such situation.
- (vii) Independent underground water supply facility with overhead water storage facility up to sub-centre levels(cost not estimated)

No. of institutions	Activity to be carried out	Approximate cost (in lakh)
1485	Renovation and reconstruction of buildings	9935.00
1485	Repair and replacement of furniture	1000.00
364	Provision of generators at PHCs./CHCs	200.00
TOTAL		11135.00

(c) Medical Colleges and Hospitals :

Out of the three Medical College & Hospitals of the State the MKCG Medical College and Hospital has been severely affected in the cyclone of 17.10.99. Both residential and non-residential buildings were damaged and require immediate restoration and reconstruction. The subsequent cyclone of 29-30 October, 1999 caused damage to the buildings and equipment of the SCB Medical College & Hospital, Cuttack, SVP OGIP, Cuttack and A.H.R.C.C., Cuttack. The SCB Medical College, Cuttack which is an old and premier institution of the country has sustained irreparable loss to its buildings and equipment. These hospitals are the referral hospitals of the State

where large number of patient from all over the State used to get modern specialised treatment. Under-graduate, postgraduate and para-medical training also undertaken round the year in these institutions and these have been severely affected. The preliminary assessment of the damage has been made by the concerned Health authorities with the help of the PWD/PHD/GED agencies. It is not possible to take up the reconstruction work within the normal budgetary provision of the State Government. Therefore additional funds would need to be provided. The institution-wise requirement of funds for restoration, reconstruction and repair/replacement of equipment are given below:

(Rs. in lakhs)			
Name of the Institution	Approximate Cost of repairs/ Construction Of building	Approximate cost of repair/ Replacement of instruments	Total
S.C.B.MCH, Cuttack	200.00	31.43	231.43
SCB MCH, Cuttack	200.00	10.00	210.00
SVP PGIP, Cuttack	497.00	-	497.00
MKCG NXG, Berhampur	492.64	-	492.64
AHRCC., Cuttack	25.00	-	25.00
TOTAL			1456.07

(c) Homeopathic and Ayurvedic institutions including Drugs Controller's establishment:

Reports have been received that 857 Homeopathic/Ayurvedic institutions have been fully/partially affected. An amount of Rs. 1618.34 lakhs will be required for reconstruction/repair of buildings (residential and non-residential). There has also been report of damages to the Drugs Controller's office and residential buildings in Bhubaneswar for which an amount of Rs.10.00 lakhs (approx.) will be required for reconstruction/repair of the same.

The details of the requirement in respect of Homeopathic and Ayurvedic Hospitals as follows :

(Rs. in lakhs)		
Name of the District	Construction/repair/ Renovation	Equipments/instruments furnitures and fixtures
Ganjam and Gajapati (cyclone on 17 th October, 1999)	870.75	129.65
Other districts	417.75	79.05
TOTAL	1342.50	208.70

On the whole an amount of Rs.141.33 crores is required for restoration of loss/damages in respect of buildings (offices/residence) and equipment to pre-cyclone condition as indicated below :

Category of institutions	Activity	Cost (RS.in crores)
Peripheral institution	Civil construction	99.35
Medical Colleges and Cancer Hospital	Civil construction	14.56
Ayurvedic & Homeopathic institutions	Civil construction	13.42
Peripheral institution	Furniture etc.	10.00
Ayurvedic & Homeopathic institution	Equipment, furniture etc.	2.00
Peripheral Institution	Provision of generators	2.00
TOTAL		141.33

6.12. HOME DEPARTMENT :

The police wireless system in the entire coastal districts were disrupted due to the *Super Cyclonic Storm* on 29-30th October, 1999. Large number of police Barracks in the State Police Headquarters, Cuttack, OSAP and O.M.P., barracks, Police Station buildings have been severely damaged due to the *Super Cyclone*. An amount of Rs.35.00 crores is required for repair and restoration of the damaged wireless system and buildings of Home Department.

Besides above Home Department has also incurred huge expenditure on police patrolling in National Highway and in cyclone affected areas to prevent anti-social activities. Army personnel and police force were also engaged in road clearance and relief operation. An amount of Rs.1.5 crores is required to meet expenditure incurred on deployment of Police, Para Military Forces and the Armed Forces.

6.13. HOUSING & URBAN DEVELOPMENT DEPARTMENT :

(a) 28 Urban Local Bodies, including two Municipal Corporation of Bhubaneswar and Cuttack in 12 districts of the State, Orissa State Housing Board and Orissa Water supply and Sewerage Board have been severely affected by the *Super Cyclonic Storm* on 29-30th October, 1999. Roads, drains, electrical installations, School buildings, Water Supply system, Municipal properties have been completely devastated. Most of the Primary Schools and High Schools have no roof at all. Street lighting and House to house water supply have been completely disrupted. An amount of Rs.228.74 crores is required for repair and restoration of the damaged

properties of 28 Urban Local Bodies in general, Bhubaneswar and Cuttack Municipal Corporation in particular as given below :

		<u>Estimated Loss</u> (RS.in lakhs)
(i)	Roads and drains	10516.19
(ii)	Electric Installations	2664.80
(iii)	School buildings	1536.60
(iv)	Water Supply and Sanitation	793.43
(v)	Other Municipal Properties	6362.78
(vi)	State Water supply maintained By P.H. Organisation	1000.43
		22,874.23 or 228.74 crores
(b) Cyclone Resistant Housing Scheme:		

The State Government have formulated a loan linked scheme in order to enable the affected households to construct cyclone resistant houses. The scheme envisages unit cost of Rs.30,000 , with a loan component of Rs. 20,000 and subsidy up Rs.10,000 . It is proposed to cover at least 10 lakh households under this scheme. While the loan requirements will be arranged through HUDCO and other HFCs, a sum of Rs. 1000 crore will be required towards the subsidy component.

6.14 INDUSTRIES DEPARTMENT :

Due to *Super Cyclonic Storm* on 29-30th October, 1999, extensive damage has been caused to buildings, Industrial Co-operative Societies, Village Artisan and Small Scale Industries. In total 2565 S.S.I. units, 1339 PMRY units have been affected. Loss sustained by these small scale units, micro enterprises, co-operative societies, artisan units, training units is estimated at Rs. 121.34 crores (Details at *Annexure-VI - A & VI - B*). A separate package, however, is being worked out for assisting the industrial enterprises including those in the Large and Medium Scale Sector.

6.15 PANCHAYATI RAJ DEPARTMENT :

(a) Damaged properties of Gram Panchayats/Panchayat Samities :

Due to saline inundation and heavy rains the Gram Panchayat and Panchayat Samiti roads have been severely damaged. Due to severe cyclonic storm, the buildings of Gram Panchayats and Panchayat Samities, the roofs of residential and non-residential buildings of Panchayat Samities of the affected districts have been blown away. An amount of Rs.288.35 crores is required for repair and restoration of Gram Panchayats/ Panchayat Samities building, tanks, MIPs of Blocks and Gram Panchayats details are given in *Annexure-VII*.

(b) Action plan for rural employment generation:

In 126 affected Blocks, it is assessed that at least 50% of the households will have to be provided income support through wage employment for 25 days at the rate of 1 person per family till March, 2000. In the remaining 114 Blocks at least 20% of the households will have to be provided with wage employment up to March, 2000. The estimated requirement to provide wage employment of this order is Rs. 418.00 crores as against which currently a sum of Rs. 116.00 crores is available under various employment generation programmes of the Ministry of Rural Development. Therefore, additional allocation of at least Rs. 302.00 crores would be required under these programmes for providing income support to the vulnerable households in the cyclone affected areas. State's share under various employment generation programme may be waived.

(c) Rural Housing :

It is estimated that at least 15 lakh houses have been damaged in the cyclone affected areas. Subsidy provided to the affected households under the provisions of State's Relief Code is grossly inadequate for reconstruction of the damaged houses. While a package of concessional housing loan program is being worked out for assisting the households who have the means to avail of this facility, it is proposed that 2.5 lakh houses will be constructed under the IAY to cover the BPL households whose houses have been fully washed away or fully collapsed. A proposal to this effect has been sent to the Ministry of Rural Development with the following suggestions.

- (i) The recent *super cyclone* and flood havoc has proved that cement, concrete houses can withstand such devastating calamity. Therefore, proposal has been submitted to construct only cement, concrete structure under this programme.
- (ii) Since Rs. 20,000/- is not adequate for specification proposed above, it has been requested as a special case unit cost may be raised to Rs. 30,000/-.
- (iii) Because of heavy financial burden on the State Government arising out of calamity it has been requested to waive the State's share which

is 25% of the total requirement. Ministry has been requested for the full 100% assistance for the housing program.

- (iv) Construction of houses will be undertaken through the agencies identified by the State Government.

6.16. RURAL DEVELOPMENT DEPARTMENT :

(a) Rural water supply

After the *Super Cyclone* and heavy flood in the coastal districts, 287 repairing teams and 100 mobile vans were deployed to repair the defunct tube wells and disinfect the tube wells and sanitary wells. 18 number of water tankers have been engaged in saline inundation areas of Puri Jagatsinghpur, Bhadrak and Kendrapara district, to provide drinking water to affected people. Already 61 new tube wells have been sunk in Khurda, Jagatsinghpur, Puri and sinking of 122 more tube wells are in progress in anticipation of sanction of funds. An amount of Rs.85.20 crores is required for repair and restoration of Rural Water Supply Schemes including cost of installation of 10,000 new tube wells.

(b) Rural Roads & buildings :

Due to heavy rains, flood and saline inundation 12000 Kms of rural roads with 147 C.D. works have been severely damaged. 7020 numbers of buildings of different departments have been severely damaged. An amount of Rs 219 crores is required for repair of roads and Rs.157.51 crores is required for repair and restoration of buildings. Details are at Annexure – VIII A & B.

6.17. SC. & ST. DEVELOPMENT DEPARTMENT :

The requirement of repair and restoration projected by the SC & ST Department is as under :

- (i) Damage to 25 High Schools, 13 Ashram Schools, 3 Kanyashrams, 26 Residential Sevashrams, 141 Sevashrams and 36 Primary School hostels. For its repair and reconstruction an amount of Rs.2.75 crores is required.
- (ii) Damage to 6 nos. of special Adivasi Hostels located at Bhubaneswar (3 Post-Matric and 3 pre-Matric Hostels). An amount of Rs.0.21 crores is required for its reconstruction.
- (iii) Damage to Schedule Cast and Schedule Tribe Research Training Institute Bhubaneswar. An amount of Rs.0.20 crores is required.

- (iv) NT Books, reading and writing materials for 63,592 SC/ST students (Assuming 50% damage. An amount of Rs.0.09 crores is required for the purpose.
- (v) Garments for 63,592 SC/ST students, an amount of Rs.0.54 crores is required.

The total requirement is Rs.3.80 crores is required.

6.18. STATE PORT ENGINEERING ORGANISATION (SPECIAL RELIEF):

58 Boats of State Port Engineering Organisation at Kakatpur, Astharanga (Puri district), Machhagan, Choumuhana (Jagatsinghpur District), Badapada,(Cuttack District), Rajnagar, Aul, Alva, Marshaghai, Mahakalpada (Kendrapara district), Kaimagat (Jajpur district) and Chandbali (Bhadrak district) have been damaged badly. An amount of Rs.0.46 crores is required for repair of the boats.

6.19. STEEL AND MINES DEPARTMENT :

Departmental buildings of Director of Geology and Director of Mines, equipment and instruments of laboratories, staff quarters and office buildings in Jajpur under Director, Mines have been severely damaged due to *Super Cyclone*. An amount of Rs.0.32 crores is required for repair and restoration of damaged properties.

6.20. WATER RESOURCES DEPARTMENT :

(a) Irrigation :

Due to *Super Cyclonic Storm* and heavy rainfall ranging from 400 mm. to 867 mm within a span of three days has resulted high flood in Baitarani, Salandi, Budhabalanga, Kharasua and Brahmani rivers. This has caused 2005 number of breaches in the flood embankments and 8647 breaches in canal embankments. Large number of structures has also been damaged and 454 number of public buildings have been partly and fully collapsed. Head works of six dams have suffered structural distress. An amount of Rs.267.00 crores is required for repair and restoration of damaged major/medium Irrigation projects.

(b) Minor Irrigation :

Due to *Super Cyclone* and flood, the head works and distribution system of 422 minor irrigation projects in the district of Khurda, Cuttack , Jajpur, Kendrapara.

Bhadrak, Balasore, Mayurbhanj, Dhenkanal and Keonjhar have been severely damaged. 31 dams have been partially breached. An amount of Rs.46.57 crores is required for repair and restoration works, out of which Rs.16.30 crores is required for immediate restoration. An amount of Rs.2.5 crores is required for immediate closure of breaches to provide irrigation during Rabi.

(c) Lift Irrigation :

Due to heavy rainfall and cyclonic storm 5,636 L.I. points in 12 coastal districts have been severely affected and the power supply system, head works and distribution system have been severely damaged. An amount of Rs.24.25 crores is required for full repair and restoration. For immediate repair of L.I. points an amount of Rs.12.10 crores is required. Rs. 3.66 crores is required for repair of electrical works.

(d) CADA :

Distribution channels in major projects have been damaged due to heavy rain and flood. An amount of Rs.10.00 crores is required for repair and restoration of the damaged systems. Item-wise details of requirement of funds is given in Annexure-IX.

6.21. WOMEN & CHILD DEVELOPMENT DEPARTMENT :

The *Super Cyclone* has caused extensive damage to the ICDS project offices, Anganwadi centre building, orphanage, short stay home, special schools for the disabled under the control and management of the Department. Even the material and foodstuff stored in the Anganawadi centres and in the Block headquarters have either been damaged or lost. More than 500 self-help groups were functioning in the affected districts under various Government Schemes. A sum of Rs.25,000/- is required to be provided to each of the self-help groups for restarting their income generating activities. The total requirement of funds under various component is as follows :

(Rs.in lakhs)

A.	(i)	Damage caused to ICDS projects	-133.74
	(ii)	Anganwadi centre	-913.56
	(iii)	Anganwadi training	- 16.00
	(iv)	Food Stuff	-111.45

B.	Self-help group(DWCRA) financial proposition for 4948 groups @Rs.26,000.00 per group	-1237.00
C.	Short stay homes rehabilitation of distressed women (State Social Welfare Advisory Board)	- 26.70
D.	Short stay homes rehabilitation of distressed Women (Government grant to NGO)	- 23.68
E.	Orphanages	- 22.68
F.	Special Schools	- 13.58
	TOTAL	- 2606.13 lakhs Or 26.06 crores

6.22. WORKS DEPARTMENT :

(a) Roads :

Due to heavy rainfall and *Super Cyclone*, National Highway No.5 has been breached near Soro. 444 roads in the coastal districts have been severely damaged including the C.D.Works. An amount of Rs.142.56 crores is required to bring back to pre-flood condition.

(b)National High Ways :

All National High Ways passing through the State have been damaged including the N.H.No.5 which has been breached near Soro. An amount of Rs.35.87 crores is required for the repair and restoration of the damaged National Highways.

(c)Buildings :

18,059 PWD buildings have been severely damaged and the roofs of the building have been blown away. All old buildings have been severely damaged due to up-rooted fallen trees. An amount of Rs.218.29 crores is required to bring them back to pre-cyclone/flood condition.

The total requirement of funds for repair and restoration of funds are required for the PWD is RS.396.72 crores including National Highways.

	Numbers	Amount required (RS.in crores)
(a) Roads	444	142.56
(b) Building	18059	218.29
(c)National Highways	11	35.87
TOTAL		396.72

Details are furnished at Annexure – X – A & B.

7. RELIEF AND RESTORATION MEASURES :

7.1. Emergent Relief :

Collector of all the cyclone affected districts were authorised to provide emergent relief up-to a period of 15 days as per need and free kitchen for 7 days and then for another one week in critically affected areas. Till 25.11.99, 46215.58 MT of rice from FCI and 2000 MT of Dal from NAFED has been supplied to different districts for emergent relief and free kitchen. Besides, that 1826 Trucks of other relief material like, Chuda, Gud, Clothing items, biscuits, match-box, candle etc., has been supplied to different districts from the *Central Relief Coordination Centre* at Kalinga Stadium till 26.11.99. Details are given in *Annexure-XI- 'A' & 'B'*.

Free Kitchen has been extended for another 15 days in the critically affected area after actual need assessment by the Collectors. The total expenditure on Emergent Relief is estimated to be Rs. 65.00 Crores.

7.2 Distribution of Clothes items and Polythene rolls:-

(a) 20,22,905 numbers of Dhoti and Saree, 13,89,886 pairs of Garments, 95038 nos. of blankets, 82,850 nos. of Bedsheets, 63,945 sets of utensils, have been distributed in the cyclone affected districts including Ganjam and Gajapati. Besides 686300 pieces of polythene has been supplied to affected families in 14 cyclone affected districts for temporary shelter till 23.11.99. Details are given in *Annexure-XII*.

(b) Out of 30.00 lakh families affected due to Cyclone/ Flood about 25.00 lakh families are critically affected. Besides, free gift materials, orders have been placed for purchase of 2,58,000 rolls of polythene, 1,75,000 Dhoti and Saree each, 2,25,000 garments, 10 lakh pieces of blankets and 1.00 lakh pieces of utensils for distribution to the critically affected families. An amount of Rs. 92.50 Crores is required for purchase of the above relief material.

7.3 Air-dropping of relief materials:-

In order to provide immediate food to the marooned people and those living in the inaccessible pockets, air-dropping of food materials like, Chuda, Guda, cooked food, candle, match-box etc. was done in 8 cyclone affected districts from 31.10.99 to till 19.11.99. In total 8 Army Helicopters were engaged for air dropping of relief materials in inaccessible pockets. 639.54 MTs of food packets were air dropped in 255 sorties.

7.4. House Building Grant:

As per preliminary assessment of 15,79,000 houses have been fully or partly collapsed/damaged. As per the provisions of Orissa Relief Code, an amount of Rs.3,500/-, Rs.2,000/- and Rs.1,000/- is sanctioned for fully swept away, fully collapsed and partly collapsed houses respectively. An amount of Rs.343.00 crores is required for distribution of house building grant. An amount of Rs.119.80 crores has been released to different districts for distribution of house building grant to the affected families. So another Rs.223.00 crores is required to complete the distribution of house building grant.

7.5 Exgratia Assistance to the Bereaved families :

It has been decided to provide ex-gratia assistance to the next of kin of the deceased @ Rs. 25000. This amount is in addition to the grant of Rs.50,000 from the Prime Minister's National Relief Fund (for which a total sum of Rs. 37.37 crores has already been received and released to the district Collectors). A sum of Rs. 24.66 crore is required for ex-gratia assistance to 9866 bereaved families (as per latest reports).

7.6 Restoration of communication:

Due to heavy rainfall and flood in Keonjhar, Jajpur, Bhadrak and Balasore districts and saline inundation in other coastal districts, National Highway No.5 near Soro and State Highway between Sathipur and Jajpur, Keonjhar and Panikoili were breached. Large number of uprooted trees had fallen on the roads obstructing vehicular traffic. With the help of Engineers of Works Department, officers and other personnel from Army, Officers personnel and other technical personal who came from neighbouring states like Andhra Pradesh were also engaged in cutting the uprooted trees in the capital city of Bhubaneswar, Cuttack and in the road to Jagatsinghpur, Kendrapara, Paradeep, Puri and to other places. Communication to Jagatsinghpur, Paradeep and Kendrapara were restored by 5th November. The breaches in the National Highway and State Highway have been repaired and communication has been restored to all the district headquarters by 14th November, 1999.

7.7 Restoration of power supply :

It took 4 days for full restoration of power supply in the capital city in Bhubaneswar and Silver City of Cuttack. Power supply to other rural areas are being restored in a phased manner with the help of technical person of GRIDCO and from neighboring states of Andhra Pradesh etc.

232/220 KV transmission lines, which were affected by the cyclone have since been restored and electricity is available at all the grid sub-stations located throughout the State since 14.11.99.

The average demand, which had reduced to 720 MW immediately after the cyclone has since picked up and is around 1170 MW against the normal grid demand of 1100 MW.

As regards the supply of electricity to various towns, block headquarters and villages the position is as under :

Electricity supply in 44 out of 59 block headquarters located in the districts in Khurda, Puri, Cuttack, Kendrapara and Jagatsinghpur have been restored. Electricity supply in all the 59 block headquarters located in the districts of Balasore, Bhadrak, Mayurbhanj, Jajpur and Keonjhar have been restored.

Efforts are on to restore electricity supply to all the villages in the said districts. Since electricity lines run through agricultural fields, which have standing crops, the restoration work is meeting with some resistance. It is proposed to complete restoration work by 15th December, 1999 in majority of the affected villages.

7.8 Drinking water supply :

(i) Rural Drinking Water Supply

287 repairing teams and 149 mobile vans have been deployed in the rural areas for repair of tube wells and disinfection of drinking water sources. 39,985 tube wells have been repaired and disinfected. 19 water tankers have been deployed (17 in Jagatsinghpur and 2 in Puri district) for supply of drinking water in saline inundated areas. 105 new shallow tube wells have been installed and 121 more tube wells are in progress to provide drinking water in cyclone/flood affected areas. Out of 12 affected Rural Pipe water supply schemes, 61 have been restored to normalcy. In other places the work is in progress.

(ii) Urban Drinking Water Supply:

Urban drinking water supply was disrupted in 27 Urban Local Bodies including capital city of Bhubaneswar and silver city of Cuttack and other important cities like Puri, Paradeep, Jagatsinghpur and Kendrapara. By now water supply in 26 ULBs has

become normal after restoration work. 21 Diesel Generators have also been deployed in different ULBs to resume water supply in town areas. An amount of Rs. 10 lakhs has been sanctioned for restoration of urban water supply and disposal of carcasses in urban areas.

7.9 Health Measures :

331 doctors, 473 paramedical staff, 102 medical units in 137 vehicles worked on emergency basis to provide health care facilities in the *super cyclone/flood* affected areas of the State. Doctors and paramedical staffs from Army, Delhi Municipal Corporation and other States like Andhra Pradesh, Gujarat, Tamilnadu, Madhya Pradesh, Uttar Pradesh, Karnatak, West Bengal and from other places like AMC, Catholic Mission have helped in a big way to provide emergency health care facilities in the cyclone affected areas. Bleaching powder, O.R.S. and other anti-diarrhoeal medicines are being supplied in the cyclone affected areas. 78 persons have died out of 88,343 reported diarrhoea disorder cases as on 27.11.99 with a fatality rate of only 0.1%. Details are given in *Annexure-XIII*.

Rs.1.00 crores has been sanctioned for health services in cyclone affected areas.

7.10 Veterinary Measures:

Veterinary teams and Non-Government Organisations are working in all the districts for treatment of injured animals and disposal of animal carcasses. 99,333 carcasses have been disposed of in 10 districts and 3,18,400 injured animals have been treated by these teams as on 26.11.99. The department has been authorised to procure about 5000 MTs of cattle feed at a cost of Rs. 3 crores to meet the requirements in 25 most severely affected blocks.

7.11 (i) Repair and restoration of damaged L. I. Points :

An amount of Rs.50.00 lakhs has been sanctioned for repair and restoration of 2500 L.I. points to provide irrigation to 50,000 hectares during Rabi, 1999.

(ii) Repair and restoration of damaged canal embankments and river embankment and Minor Irrigation Projects.

An amount of Rs.4.50 crores has been provided to the Water Resources Department for urgent repair and restoration of damaged canal and river embankments and minor irrigation projects to provide irrigation during current Rabi season.

7.12 Rabi seed subsidy :

An amount of Rs.10.00 crores has been sanctioned to Agriculture Department supply of subsidised Rabi seeds to the farmers of cyclone and flood affected area. Additional sum of Rs.10.00 crores will be given towards seed subsidy after receipt of further funds from Government of India.

7.13 Repair of Roads and Buildings:

(i) **P.W.D.-** An amount of RS.4.00 crores (including RS.1.00 crores for Ganjam district) has been sanctioned to Works Department for repair of damaged roads and buildings.

(ii) **Rural Development Department:-** An amount of Rs.2.50 crores has been sanctioned to Rural Development Department for repair and restoration of damaged roads and buildings.

7.14 Repair of School buildings :

An amount of Rs.50.00 lakhs each to Housing & Urban Development Department and School and Mass Education Department for repair and restoration of Primary school buildings in urban and rural areas respectively.

8. ASSISTANCE BY ARMED FORCES , PARA MILITARY FORCES AND OTHER ORGANISATIONS:

8.1. Armed Forces have rendered invaluable assistance in organising rescue and relief operations in the cyclone affected areas including clearance of road and distribution of relief materials, air dropping of food packets in the marooned areas, reaching out to the inaccessible pockets, disposal of human dead bodies and carcasses and most importantly in providing medical support to prevent outbreak of epidemic. As on 25.11.99, 5 field medical units, 4 companies of T.A. battalion, 4 companies of Infantry Battalion and 2 companies of engineering personnel (total 10 companies) were engaged in Jagatsinghpur and Kendrapara districts.

8.2. Services of Central Para Military Forces and Armed police forces of other States were also utilised for maintaining civil order in the cyclone affected areas so as to facilitate smooth management of the rescue and relief operations. Altogether, 2 companies of CIFC, RAF and MPSF were engaged for this task as on 25.11.99 in different districts.

8.3. Spontaneous support has been received in substantial measure from international, national and local NGOs as well as public spirited citizens and volunteers for organising free kitchens, disposal of dead bodies and animal carcasses, distribution of relief materials, provisions of medical care and health measures etc. in the cyclone affected areas. In particular, assistance received from the voluntary organisations in the sphere of providing medical care, health measures and disposal of dead bodies and carcasses really deserves special mention. The details of contribution of non-Government organisations engaged in different relief activities as per information available with the State Government have been furnished in *Annexure-XIV*.

8.4 . Assistance by Ham Radio, V-SAT and C.DOT Telephone:

There was no telecommunication to the cyclone-affected districts during the first 5 days of the cyclone and Jagatsinghpur district Headquarters was not connected with telephone facilities up to 15 days. During this period the Ham Radio sets sent by Government of Andhra Pradesh, V-SAT telephone and C.DOT Telephone sent by National Remote Sensing Application Centre, Ahamedabad have done a commendable of in getting information from inaccessible districts. Even through Ham Radio Operator/C.DOT Telephone officers have been relieved, V-SAT Telephone Operators are still working in inaccessible districts to provide communication during emergency when telephones are not working.

9. POSITION OF CALAMITY RELIEF FUND OF THE STATE:

The corpus of CRF for the year 1999-2000 is Rs 5664.92 lakhs. There was an unspent balance of Rs. 108.67 lakhs under CRF and Rs.26 lakhs under NFCR. So the total available funds in the CRF was **Rs.5799.59 lakhs**. Besides that an amount of Rs.20,000 lakhs has been received from Government of India under NFCR. Out of this an amount of Rs.2000 lakhs has been kept by Government of India, Ministry of Agriculture, Department of Agriculture and Co-operation, New Delhi towards cost of relief materials sent from Delhi and other States. The total amount under CRF i.e. Rs.5773.59 lakhs has been spent. Out of Rs.18026 lakhs under NFCR, an amount of Rs.17837.69 lakhs has already been released to different Departments and Districts for cyclone relief operation. There is a balance of only **Rs.188.31 lakhs** under NFCR. The detailed position of CRF and NFCR is given in *Annexure-XV*.

10. ASSISTANCE SOUGHT FROM GOVERNMENT OF INDIA:

The catastrophic damages caused by *Super Cyclonic Storm* can not be mitigated with the meagre resources of the State Government which has suffered a severe cyclone hardly 10 days ago, causing devastation in Ganjam district. It is not only a "National Calamity" of severest magnitude but also indeed an unprecedented "Natural Disaster" of the century. An amount of **Rs 6227.59 crores** is required for different relief operations like emergent Relief, clothing, blankets, temporary shelter and repair and restoration works, the details of which are given hereunder :

Sl. No	Name of the Department	Amount required (in crores)
(1)	(2)	(3)
1	AGRICULTURE DEPARTMENT	272.3
2	COMMERCE & TRANSPORT DEPARTMENT	20.1
3	COOPERATION DEPARTMENT	102.2
4	EDUCATION DEPARTMENT	1090.4
5	ENERGY DEPARTMENT	400.0
6	FISHERIES & ANIMAL RESOURCES DEPTT.	197.3
7	FOREST & ENVIRONMENT DEPARTMENT	283.70
8	GENERAL ADMINISTRATION DEPARTMENT	35.05
9	HANDLOOM & TEXTILES DEPARTMENT	65.94
10	HEALTH DEPARTMENT	141.33
11	HOME DEPARTMENT	36.50
12	HOUSING & URBAN DEVELOPMENT DEPTT.	1228.74
13	PANCHAYATI RAJ DEPARTMENT	590.35
14	RURAL DEVELOPMENT DEPARTMENT	461.71
15	SC & ST DEVELOPMENT DEPARTMENT	3.80
16	STATE PORT ENGINEERING ORGANISATION	0.46
17	STEEL AND MINES DEPARTMENT	0.32
18	WATER RESOURCES DEPARTMENT	349.25
19	WOMEN & CHILD DEV. DEPARTMENT	26.06
20	WORKS DEPARTMENT	396.72
21	PURE RELIEF, HOUSE BUILDING GRANT & EX-GRATIA	525.16
TOTAL		6227.59

Besides above Government of India has been requested to allot Rs.725.82 crores for relief and restoration measures in Ganjam and other districts which was affected due to severe cyclone on 17-18th October, 1999. A separate Memorandum has been submitted to Government of India.

(a) In order to provide cyclone proof pucca houses to the families below poverty line (whose houses have been washed away or fully collapsed) additional allocation of Rs.2.5lakhs IAY houses maybe sanctioned to the State during the current year.

(b) Additional 96,710 MT BPL rice may be allotted to the State for distribution to affected families from November, 1999 to March, 2000, over and above the quantity already allotted.

(c) 44062 MT of rice has been issued from FCI depots to different districts for emergent relief and free kitchen in cyclone affected areas. Free kitchen has been extended for another fifteen days. The total requirement of rice for emergent relief and free kitchen would be 55,000 MT. This rice may be supplied by Government of India at BPL rice rate i.e. @ Rs.3,500.00 per MT.

(d) The State Government urged before the Prime Minister during his visit to Orissa on the 24th October, 1999 to defer the payment of interest and principal amounting to Rs. 568.00 crores payable to Government of India to the next financial year as a temporary measure without prejudice to the State Government's submission before the *Eleventh Finance Commission* regarding debt relief on various accounts. This could provide respite to the State Finance. Government of India have been pleased to reschedule the repayment and interest liabilities only for the month of November'99. In the current situation it is therefore imperative to defer the repayment and interest payment liabilities of the State Government for the month of December'99 to March, 2000 to the next three financial years by way of re-phasing and rescheduling. The Government of India may kindly consider this proposal of re-phasing the interest and repayment liabilities amounting to nearly Rs. 461.00 crore (principal- Rs.121.00 crores and interest Rs.340.00 crores) for the month of December'99 to March 2000 payable to Government of India to the next three financial years.

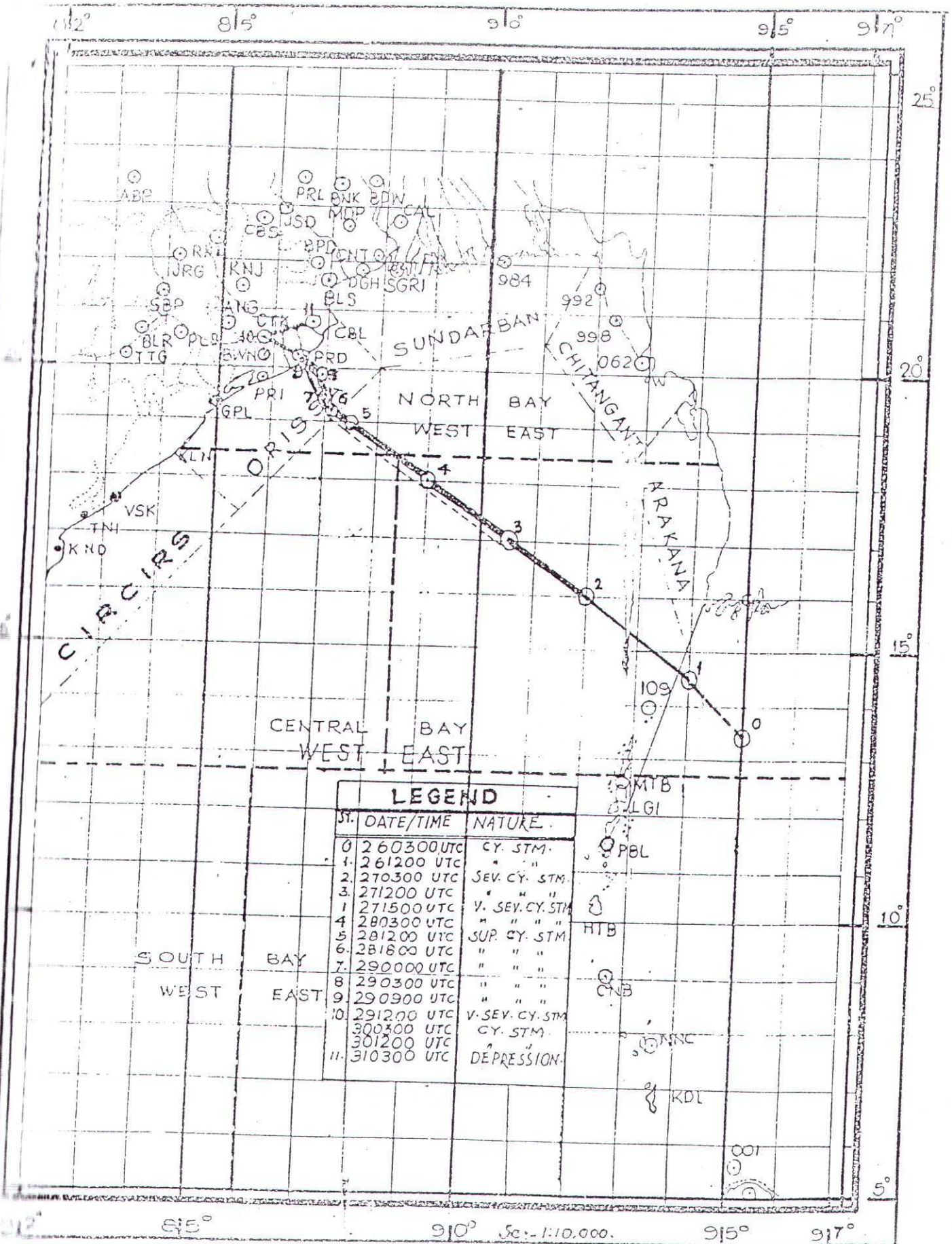
(e) As enumerated in this Memorandum, livelihood of a very large number of households has received a serious set back on account of loss of their income generating assets such as loss of milch cattle, loss of nets & boats in case of fishermen families, loss of looms in case of weavers. loss of plantation crops etc. While households who are listed in BPL category could be provided subsidised credit support under the IRDP for restoration of the livelihood, other households will also

need similar support. The State Govt. would, therefore, propose that all households in the affected areas should be treated as BPL households for the purpose of accessing subsidised credit support under the IRDP. It may be mentioned here that the Central Govt. has already accepted this proposition in principle in the case of provision of rice under the PDS at the BPL rates to all the families in the affected areas. If this proposal is endorsed, restoration of livelihood of the rural households can be organised quite effectively within a short span of time. This will of course require suitable augmentation of allocation to the State under IRDP and simultaneously the allocation of bank credit for the scheme will also have to be substantially enhanced.

(f) The assurance of the HUDCO to provide soft loan for construction of houses to the affected people is a positive gesture of help and support. Most of the affected people are economically poor and have no ostensible means of livelihood. It would be difficult on their part to repay the loan in near future unless the terms of loan are liberalised. The State Government would suggest that the loan for construction of houses in the affected areas should carry an interest rate of 4% only for those who avail loan up to a limit of Rs. 50,000/-. The repayment period should be 15 years with an initial moratorium of 3 years for repayment of principal. Commercial Banks providing loan to the affected people may also follow the same liberal interest rate and conditions of repayment. It is further suggested that HUDCO should not insist upon Government guarantee for providing loan to the Orissa Rural Housing Development Corporation.

(g) The crop loan provided by the banks should be re-phased in view of the extensive damage caused by the "Super Cyclone". The affected people are not in a position to repay the loan and interest in view of their shattered financial condition. So the State Government would urge that the crop loan advanced for the current Kharif should be re-phased and made recoverable during the next seven years. Similarly the loans to be advanced during the current Rabi and next Kharif should be made repayable in instalments within three years.

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PRP. BY- FLOOD CELL
O/O THE E.I.C. WATER RESOURCES
ORISSA, BHUBANESWAR.

THE MOST INTENSE POINT RAINFALL FROM 29TH OCT. TO 1ST NOVEMBER

STATION	RAINFALL IN MM.				
	29 TH OCT.	30 TH OCT.	31 ST OCT.	1 ST NOV.	TOTAL
OUNADA	120.0	345.0	400.0	90.0	955.0
BHADRAK	31.0	361.0	446.0	29.0	867.0
SUNEI DAM	22.2	330.2	292.1	139.7	784.2
ANANDAPUR	14.6	396.0	300.0	12.4	723.8
HADGARH	7.0	191.0	468.0	24.0	690.0
(SALANDI DAM)					
CHANDBALI		248.0	363.0	34.5	645.5
AKHUAPADA 26.2		351.4	166.6	78.0	622.20
ASTARANG		300.0	220.0	80.0	600.0
BHUBANESWAR 25.6		426.4	104.4		556.4
KAKATPUR 280.0		180.0	87.0		547.0
KUJANG 65.0		355.0	55.0		475.0
JENAPUR 36.6		259.2	128.2	23.4	447.4

ANNEXURE - I-C

District-wise villages and population affected by the Super Cyclone 29-30th October, 1999.

Sl.No.	Name of the district	No. of Blocks / ULBs. Affected.	No. of GPs. Affected	No. of villages/war ds affected.	Total Population affected (in Lakhs)	Total Agricultural Land affected.	Loss of human lives.	Houses Damaged			
1	2	3	4	5	6	7	8	Washed away	Fully Collapsed	Partly collapsed	Total
1	Balasore	8\3	155	1748/21	12.26	1.41	49	11030	34660	46000	91690
2	Bhadrak	7\2	166	1356/44	13.47	1.83	98	3777	25655	74966	104398
3	Cuttack	14\4	278	1977/86	23.67	2.09	456 -		125895	206360	332255
4	Dhenkanal	8\3	144	1092/40	0.70	1.38	51 -		7909	53,902	61811
5	Jagatsinghpur	8\2	165	1308/16	12.00	1.20	8119	9945	168581	51982	230508
6	Jaipur	10\2	242	1160/40	15.50	1.88	188 -		22032	92601	114633
7	Kendrapara	9\2	205	1567/40	14.00	1.70	469	40	150000	195000	345040
8	Keonjhar	3\1	59	546/16	2.50	1.25	31	1164	5363	39084	45611
9	Khurda	8\3	124	1167/22	13.11	1.02	91 -		30000	65540	95540
10	Mayurbhanj	9\2	45	341/3	1.98	2.07	10 -		6000	3000	9000
11	Nayagarh	2	40	1700/18	1.50	0.31	3 -		196	14059	14255
12	Puri	11\4	204	1714/81	15.00	1.72	301 -		71359	63482	134841
	Total	97/28	1827	15676/427	125.69	17.86	9866	25956	647650	905976	1579582

EXUR

ER

TOTAL

55.0

67.0

84.2

23.8

90.0

45.5

22.20

10.0

56.4

17.0

15.0

17.4

2. Proposed action plan for extending support to the affected farmers

	Requirement of funds (Rs. in lakhs)
I. Rabi seed subsidy at 50% rate	
a) Arrangement of seeds for Rabi cultivation of 2.82 lakh Hects. under Agril. crops from CRF/NFCR	16.55
b) Arrangements of seeds for Rabi cultivation of 0.51 lakh Hects. under Potato & Vegetables from CRF/NFCR	3.45
	<hr/> 20.00
II. Special Assistance other than seed subsidy sought from GOI, CRF/NFCR	
a) Supply of 3 lakh vegetable Minikits @ Rs.150/- per kit	4.50
b) Assistance to affected Coconut farmers from Coconut Development Board @ Rs.500/- per farmer in shape of in-puts for 1.00 lakh farmers.	5.00
c) Minikits of Coconut, Banana, Papaya, Guava, Kagji lime Seedlings @ Rs.150/- per farmers for 2.3 lakhs farmers	3.45
d) Assistance to affected beetle-vine farmers @ Rs.1000/- per farmer for 2000 farmers in shape of inputs	0.20
e) Fertiliser Minikits to the worst affected SF/MF @ Rs.500/- per farmer for 3.4 lakh farmers	17.41
f) Pesticides to be supplied at 50% subsidy in post-flood situation & endemic areas for Khariff & Rabi crops	0.62
g) Supply of H.C. sprayer for P.P. measures at 50% rate @ Rs.600/- per sprayer for 26000 nos. (i.e. 2000 sprayers per District.	1.56
h) Supply of 10000 nos. of diesel pump-sets to provide assured irrigation to 40,000 Hac. by lifting water from perennial sources at 50% subsidy @ Rs.8000/- per pumpset	8.00
i) Supply of 2000 Tractors at 50% subsidy limited to Rs.1.00 lakh per Tractor and 3000 powertillers at 50% subsidy limited to Rs.0.50 lakh for augmenting the farm powers timely agril. operations.	35.00
j) Subsidy to be provided to affected farmers for land preparation by way of custom hiring of tractors through OAIIC (OAIIC mobilise 750 nos. of tractors for the purpose in the affected districts & neighbouring States)	5.00

TURI

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(Rs. cro

k)	Supply of improved agril. implements at 75% subsidy (Manual, bullock drawn & small power driven) to reduce drudgery and requirement of farm labour input	3.00
l)	Installation of 30,000 nos. of private L.I points to provide assured irrigation to one lakh hecets. at 50% subsidy (Rs.33,000/- on an average as per norms of State agril policy'96)	100.00
m)	Establishment of 150 to 200 nos. of Agro Enterprises with capital investment subsidy as per norms of State Agril. Policy'96 to provide employment opportunities to large no. of skilled/unskilled personnel & to meet requirement of Milk, egg, fish, meat & agril. mechanisation etc.	25.00
	Total	<u>228.74</u>
n.	<u>Restoration of plantations, buildings, infrastructures.</u>	
i)	15,000 hecets. of Cashew plantation (both new & Gap filling) & nurseries under Cashew Dev. Corp.	28.00
ii)	Cashew plantation (both new & Gap filling) in an area of 4400 hect. & 985 nos. of soil and water harvesting structures under Directorate of Soil Conservation	8.58
iii)	Plantation crops & nurseries in departmental horticultural farms under Directorate of Horticulture	0.58
iv)	Plantation & Infrastructure in State Botanical Garden, Nandankanan	0.75
v)	Infrastructures of Govt. farms and storage under Directorate of Agriculture	0.86
vi)	Buildings, Equipments, Infrastructures of OAIC, OSSC, OUAT, IMAGE, Cashew Dev. Corporation, APICOL, Directorate of Horticulture	4.84
	Total	<u>43.61</u>

III. Proposed assistance from UNICEF & CARE (100% SUBSIDY)

a)	Assistance sought from UNICEF in the form of Seed Minikits fruit seedling kits, Diesel pumpsets, power tillers, sprayers, Agril. implement sets fertiliser kits etc.	302.00
b)	Assistance sought from CARE in the form of Vegetable seed minikits, implement sets, oilseed minikits, pulse minikits, sprayers, diesel pumpsets etc. for supply to affected farmers in super cyclone hit blocks identified by CARE.	20.00
	Total	<u>322.00</u>

ABSTRACT OF ACTION PLAN

I	Seed subsidy & other agril. input support (assistance anticipated from GOI & CRF)	228.74 Crores
II	Restoration of Plantations, infrastructures, Buildings etc. (assistance anticipated from GOI & CRF)	<u>43.61 Crores</u>
		272.35 Crores
III	Assistance anticipated from UNICEF & CARE at 100% subsidy	322.00 Crores
	Total	<u>594.35 Crores</u>

Table - 1
SHORT TERM MEASURES

Sl. No.	Short Term Measures	Primary School (Class I-V)	Upper School (Cl. VI-VIII)	High School (Cl. IX-X)	Total No.	Funds
1.	<u>Minor Repairs to School Buildings</u> (Primary +Upper Primary + High School)	1. @ Rs.0.50 lakh per school			6000 nos.	<u>Rs.30.00 crore</u>
		2. Tarpulins / Polythene Materials to be provided urgently (12,000 nos. 25 feet x 25 feet size each for make-shift schools)				
2.	<u>Supply of Free Text Books</u>					
	<u>If all affected students are provided</u>					
	Total no. of Students	21.78 lakh	6.26 lakh	2.95 lakh		
	Average unit cost	Rs.37/-	Rs.122/-	Rs.292/-		
	Total Cost (In Rs. crores)	Rs.8.06	Rs.7.67	Rs.8.61	—	<u>Rs.24.34 crore</u>
	<u>Alternatively under Book Bank Scheme</u>					
	If 15 sets of text books are provided per class per school at primary & upper primary (upto Class VIII level) and 20 sets of text books are supplied to Class IX and Class X students.					
	Total No. of Schools	13,892	4,828	3,872		
	Average cost of 15 sets / 20 sets of books per class	Rs.2736 (15 sets)	Rs.5142.60 (15 sets)	Rs.11,685.60 (20 sets)		
	Total cost for all classes for all schools	Rs.3.80 crore	Rs.2.49 crore	Rs.4.53 crore	—	<u>Rs.10.82 crore</u>
3.	<u>Supply of Minimum Teaching & Learning Equipments</u> (Black board + Duster + Chalk + Maps + Charts + Globes + School Stationaries + Chairs + Tables for Teachers + 1 Steel Almirah)					
	Total No. of Schools	13,892	4,828	3,871		

Per School	Rs 10,000/-	Rs.10,000/-	Rs.20,000/-		
Total Funds Required	Rs.13.89	Rs.4.83	Rs.7.75	--	<u>Rs.26.47</u>
	crore	crore	crore		<u>crore</u>

Supply of School Uniform & Sweater

If all students are provided

Total No. of Students	21.78 lakh	6.29 lakh	2.95 lakh		
Unit Cost	Rs.450/-	Rs.450/-	Rs.450/-		
Total Cost	Rs.98.01	Rs.28.30	Rs.13.27	31.02	<u>Rs.139.58</u>
	crore	crore	crore	lakh	<u>crore</u>

Alternatively

If only girl students (45%) are provided	Rs.44.10	Rs.12.74	Rs.5.99	--	<u>Rs.62.83</u>
	crore	crore	crore		<u>crore</u>

Supply of Minimum Reading & Writing Materials to school students. (School Bag + Pen / Pencil + Scale + Eraser + Slate + Geometry Box)

Unit Cost	Rs.200/-	Rs.250/-	Rs.300/-		
Total No. of Students	21.78 lakh	6.29 lakh	2.95 lakh		
Total Cost	Rs.43.56	Rs.15.73	Rs.8.85	-	<u>Rs.68.14</u>
	crore	crore	crore		<u>crore</u>

Alternatively

Total cost if only girls are provided	Rs. 19.60	Rs.7.08	Rs. 3.98	-	<u>Rs. 30.66</u>
	crore	crore	crore		<u>crore</u>

Exemption of Examination Fees for affected school students.

Compensation to Board of Secondary Education, Orissa for exemption of Examination fees.					<u>Rs.5.00</u>
					<u>crore</u>

Supply of Ready to eat packed food as Supplementary Nutrition

@ Rs.1.50 per student per day for 4 months = 120 days

Total No. of Students	21.78lakh	6.29lakh	2.95lakh	31.02lakh	<u>Rs.55.00</u>
					<u>crore</u>

Repairs to Office Buildings, Training Institutions of various Directorates under School & Mass Education Department.(Annexure - 4)

--	--	--			<u>Rs.11.85</u>
					<u>crore</u>
					(Annexure - 4)

Grand Total Rs.360.38 crore

Table - 2
MEDIUM TERM MEASURES

Sl. No.	Medium Term Measures	Primary School	Upper School	High School	Total No.	Funds
1.	<u>Major Repairs to 9000 School Buildings</u>	@ Rs.1.50 lakh per school			9000 Nos.	<u>Rs.135/- crore</u>
2.	<u>Supply of Teaching & Learning Materials</u> (Long Bench + Desk etc.)					
	Total No. of Schools	13,892	4,828	3,871		
	Per cost School	Rs.50,000/-	Rs.50,000/-	Rs.1,00,000/-		
	Total Cost	Rs.69.46 crore	Rs.24.14 crore	Rs.38.71 crore	--	<u>Rs.132.31 crore</u>
3.	<u>Supply of Science Kits /Equipments</u>					
	Total No. of Schools	13,892	4,828	3,871		
	Unit Cost	Rs.2,500/-	Rs.2,500/-	Rs.30,000/-		
	Total Cost	Rs.3.48 crore	Rs.1.21 crore	Rs.11.61 crore	--	<u>Rs.16.30 crore</u>
4.	<u>Equipping Science Laboratory in High School</u>					
	Total No. of High School	--	--	3,871		
	Unit Cost	--	--	Rs.90,000/-		
	Total Cost	--	--	Rs.34.84 crore	--	<u>Rs.34.84 crore</u>
5.	<u>Provision of Library Books including Science Books</u>					
	Total No. of school	13,892	4,828	3,871		
	Unit Cost	Rs.10,000/-	Rs.10,000/-	Rs.20,000/-		
	Total Cost	Rs.13.89 crore	Rs.4.83 crore	Rs.7.74 crore	--	<u>Rs.26.46 crore</u>
6.	<u>Provision of Sports Materials</u>					
	Total No. of Schools	13,892	4,828	3,871		
	Unit Cost	Rs.2,000/-	Rs.2,000/-	Rs.5,000/-		
	Total Cost	Rs.2.78 crore	Rs.0.97 crore	Rs.1.94 crore		<u>Rs.5.69 crore</u>

Electrification of
School Buildings

Total No. of Schools	13,892	4,828	3,871	
Per School	Rs.5,000/-	Rs.5,000/-	Rs.10,000/-	
Total Cost	Rs.6.95 crore	Rs.2.41 crore	Rs.3.87 crore	<u>Rs.13.23 crore</u>
		<u>Grand Total</u>		<u>Rs.363.83 crore</u>

31 crore

30 crore

84 crore

46 crore

69 crore

Table - 3
LONG TERM MEASURES

Sl. No.	Long Term Measures	Primary School	Upper School	High School	<u>Total</u> No.	Funds
1.	<u>Reconstruction of 6000 school buildings as per new design which @ Rs.5.00 lakh per school can also be used as Cyclone Shelters (including toilets for girls + boys and a tubewell + Anganwadi Centre)</u>				6000	Rs.300.00 crore
					<u>Grand Total</u>	<u>Rs.300.00 crore</u>

Table - 4

SHORT TERM + MEDIUM TERM + LONG TERM MEASURES

Grand Total

1	Short Term Measures	-	<u>Rs.360.38 crore</u> (Table - 1)
2	Medium Term Measures	-	<u>Rs.363.83 crore</u> (Table - 2)
3	Long Term Measures	-	<u>Rs.300.00 crore</u> (Table - 3)
Total		-	Rs.1024.21 crore

GRID CORPORATION OF ORISSA LIMITED

ABSTRACT OF SPECIAL REPAIR/RENOVATION/REPLACEMENT ESTIMATE
FOR (A) EHT LINES AND SUB-STATIONS, (B) DISTRIBUTION LINES AND
SUB-STATIONS, L.T. LINES CAUSED DUE TO SUPER CYCLONE
PASSING THE COAST OF ORISSA ON 29TH AND 30TH OCTOBER '99

		(Rs. in crores)
1.	Reconstruction/repair of EHT lines and S/Ss (including civil works) in Bhanjanagar, Jajpur, Kendrapara, Chandaka, Nimapara, Paradeep, Cuttack, Jagatsinghpur areas.	133.00
2.	Repair/replacement/renovation of electrical lines and Sub-Stations under Central Zone (Cuttack, Bhubaneswar, Puri, Jagatsinghpur, Kendrapara, Paradeep and Dhenkanal areas).	227.00
3.	Repair/replacement/renovation of electrical lines and Sub-Stations under North-East Zone (Jajpur and Bhadrak areas)	40.00

	TOTAL:	400.00

(Rupees Four hundred crores only)

C.M.D., GRIDCO

UNITED

A B S T R A C T

ESTIMATES AND
NE
R'99

in crore

133.00

227.00

40.00

400.00

only)

IDCO

Item	Loss/Damage/approximate cost of restoration measures.
1. Buildings, Sheds, Depots.	650.00 lakhs.
2. Roads & Bridges.	110.00 lakhs.
3. Equipments & Vehicles	175.00 lakhs.
4. Zoos and Sanctuaries	600.00 lakhs.
5. Cyclone proof sheds(20 Nos.)	200.00 lakhs.
6. R & D Organisations	1067.00 lakhs.
7. Chilika Dev. Authority	1.22 lakhs.
8. Relief Assistance	130.00 lakhs.
9. New Plantations washed out	582.62 lakhs.
Total:	3516.84 lakhs.
10. Coastal shelter Belt plantation & rehabilitation of Mangrove forests.	9646.00 lakhs.
11. Raising of Nurseries for distribution of 15000 sapplings.	3750.00 lakhs.
12. Road Side Plantations over 1500 KMs of NH/SH/HDR	5928.00 lakhs.
13. City Plantations (10 lakh seedlings)	3285.00 lakhs.
14. Restocking of Reserve forest blocks(25000 ha.)	2245.00 lakhs.
Total:	24854.00 lakhs.
Grand Total:	28370.84 lakhs.

Preliminary Assessment of Damages due to Cyclone & Super Cyclone occurred on 18th Oct'99 & 29th & 30th Oct'99 respectively in respect to Handicrafts & Cottage Industries sector.

Sl. No.	Name of the District	Damage to Govt Institution, No of Trg. Inst Affected					Damage to Industrial Co-op Societies No.					Damage to Individual Artisan	
		Handicrafts	Coir	Wollen carpets	Total	Amounts (Rs. in lakhs)	Handicraft	Coir	Salt	Total	Amount (Rs. in lakhs)	No.	Amount (Rs. in lakhs)
1	Puri	3	2	5	10	2.40	36	12	1	49	19.80	8000	400
2	Khurda	-	-	5	5	0.25	25	3	-	28	12.84	4160	200
3	Nayagarh	1	-	2	3	0.15	2	1	-	3	0.60	150	1.5
4	Cuttack	1	-	2	3	0.35	17	4	-	21	5.60	7600	380
5	Kendrapara	1	-	-	1	0.10	1	5	-	6	1.30	400	20
6	Jaipur	1	-	-	1	0.10	13	1	-	14	5.33	7100	354
7	Jagatsinghpur	4	1	3	8	2.10	1	9	-	10	7.10	2400	120
8	Balasore	1	-	-	1	0.30	2	1	-	3	0.80	518	27.64
9	Bhadrak	-	-	-	-	-	4	4	1	5	1.18	1185	104.43
10	Dhenkanal	2	-	2	4	0.40	4	1	-	4	0.20	2500	125
11	Keonjhar	2	-	-	2	0.20	16	3	-	19	0.62	900	45
12	Mayurbhanj	-	-	-	-	-	15	3	3	21	28.40	1500	75
13	Ganjam	-	1	-	1	1.20	3	-	-	3	0.30	300	46
14	Garpati	-	-	-	-	-	142	41	4	187	84.25	37113	1918.57
	Total	16	4	19	39	7.55	142	41	4	187	84.25	37113	1918.57

ANNEXURE - VI-B

1.	2113	1133	3306	270	1816.64	17	34.07	267	1850.71	20	12.9	
2.	5207	3992	9199	385	2855.40	122	384.04	507	3239.44	Not furnished		
3.	641	1419	2060	449	2083.47	400	470.00	849	2553.47	400	200.00	
4.	Jagatpur											
5.	Dhenkanal	11933	2800	3993	16	38.40	02	64.46	18	102.86	10	3.56
6.	Balasore	1712	3072	4784	245	360.82	61	141.24	306	502.06	471	125.63
7.	Keonjhar	546	1534	2480	41	13.57	10	4.38	51	17.95	76	19.16
8.	Mayurbhanj	1190	2680	3870	03	1.64	01	0.30	04	1.94	02	0.70
9.	Ganjam	2183	3879	6062	207	786.08	88	292.51	295	1078.59	101	22.18

TOTAL. 16,982 21,758 38,740 1675 8044.02 890 1568.00 2565 9612.02 1339 511.47

KIND ATTENTION OF
DIRECTOR OF INDUSTRIES.

By Director of Ind. (MIS)
22/11/99

SL. NAME OF THE NO. DISTRICT		ROAD SECTOR (including culverts)		BUILDING SECTOR				TOTAL		TANKS/ M.P.s		DRINKING WATER WELLS		PLANTATIONS		TOTAL AMOUNT REQUIRED FOR RESTORATION	
1	2	3 Length/No.	4 Amount	5 No.	6 Primary School Bldgs	7 Other P.R. Bldgs	8 Amount	9 Amount	10 Nos.	11 Amol.	12 Nos.	13 Amount	14 Nos.	15 Amount	16 KMS/HECTS.	17	18
1	BALASORE	1817 nos.	1656.13	980	924.40	411	98.10	1022.50	1120	255.57	693	108.16	242 nos	46.76			3089.12
2	BHADRAK	2563 kms	1093.00	478	479.00	127	127.00	606.00	217	179.13	129	6.50	31 kms	40.45			1925.08
3	CUTTACK	1454 nos	1295 nos	820.69	1591	1385.61	388	259.73	1641.34	2	0.80	85 hec.	12.00				2462.83
4	DHENKANAL	770 nos.	270 kms	308.00	451	380.00	160	53.74	433.74	133	76.55	84	14.42	5.5 kms			878.31
5	JAJPUR	1780 nos.	3100 kms	1255.00	1397	500.00	976	454.00	954.00	499	205.00	3378	204.00	162.2 kms			2897.22
6	J.SINGHPUR	678 nos.	1299 kms	541.50	1111	2171.00	418	634.50	2805.50	149	201.50	1079	177.45	169 kms			3909.79
7	KENDRAPARA	2511 kms	670 nos	700.00	1238	100.00	832	1300.00	1400.00	2400	400.00			980 villages			2800.00
8	MAYURBHANJ	615 nos.	224.25	309	110.95	66	37.15	148.10	18	10.00	278	14.05	41.5 acres	5.25			401.65
9	KHORDHA	465 nos	784.02	457	685.50	855	433.70	1119.20	119	382.66			27 nos.	151.05			2436.93
10	KEONJHAR	442 nos	447.25	412	124.07	8	4.15	128.22	148	95.58							671.05
11	NAYAGARH	1662 nos.	392.22	463	120.86	267	107.55	228.41	153	95.05	252	26.00	38 nos.	15.55			757.23
12	PURI	1161 nos.	471.10	1043	490.00	323	94.38	588.38	228	83.70	498	10.90					1154.08
13	GANJAM	4392.18 Km	3611.21	1972	788.00	1113	272.71	1060.71	1781	358.15			3346 Hec.	351.33			5381.40
14	GALAPATI	31 Nos.	19.34	84	32.07	17	6.48	38.55									57.89
TOTAL		12323.71	11986	8291.46	5961	3883.19	12174.65	6967	2343.69	6391	561.48	1431.05	28834.58				

ANNEXURE - VIII-A

REPAIR & RESTORATION OF RURAL ROADS & C.D. WORKS (R.W.MING)

Sl. No.	Name of the District	Category of road	Total length of road in Km.	Total length of damage portion in Km.	Total no. of C.D. works damage	Cost of Immediate restoration (Rs. in Lakhs)	Amount required bring to pre-cyclonic condition (Rs. in lakhs)	Amount (7+8) (Rs in Lakhs)	Remarks
1	2	3	4	5	6	7	8	9	10
1	Puri	R.D.Road	920.50	667.80	205	809.70	569.90	1379.60	
2	Khurda	R.D.Road	775.52	511.125	157	494.90	380.10	875.00	
3	Nayagarh	R.D.Road	515.00	251.00	30	266.00	337.50	603.50	
4	Cuttack	R.D.Road	1241.00	580.00	39	1200.00	2300.00	3500.00	
5	Jagatsinghpur	R.D.Road	807.00	705.00	159	1750.00	1950.00	3700.00	
6	Jajpur	R.D.Road	974.26	654.488	85	475.95	613.70	1089.65	
7	Kendrapara	R.D.Road	705.00	533.00	21	1020.00	1236.00	2256.00	
8	Dhenkanal	R.D.Road	683.00	378.80	114	277.10	293.90	571.00	
9	Konjhar	R.D.Road	1280.00	557.449	59	454.45	1095.50	1549.95	
10	Mayurbhanj	R.D.Road	1882.585	900.00	72	406.15	745.00	1151.15	
11	Bhadrak	R.D.Road	863.00	675.296	293	1235.20	1420.40	2655.60	
12	Balasore	R.D.Road	1353.135	1086.042	240	1410.55	1158.00	2568.55	
TOTAL			12000.00	7500.00	1474	9800.00	12100.00	21900.00	

REPAIR & RESTORATION OF PUBLIC BUILDINGS (R.W.WING)

Sl. No.	Name of the District	No. of Public Utility	Cost of preliminary repairs (Rs. in Lakhs)	Cost of Repairs to bring pre-cyclonic condition (Rs. in lakhs)	Total cost required (4+5) (Rs. in lakhs)	Remarks
1	2	3	4	5	6	7
1	Khurda	450	540.00	450.00	990.00	
2	Nayagarh	270	324.00	270.00	594.00	
3	Jagatsinghpur	1052	1262.00	1052.00	2314.00	
4	Cuttack	1070	1284.00	1070.00	2354.00	
5	Kendrapara	862	1034.00	862.00	1896.00	
6	Jajpur	485	582.00	485.00	1067.00	
7	Bhadrak	355	426.00	355.00	781.00	
8	Balasore	720	864.00	720.00	1584.00	
9	Mayurbhanj	840	1008.00	840.00	1848.00	
10	Puri	600	720.00	600.00	1320.00	
11	Keonjhar	240	288.00	240.00	528.00	
12	Dhenkanal	76	80.00	70.00	150.00	
TOTAL		7020	8412.00	7014.00	15426.00	

SUPER CYCLONE FROM 29TH OCT. TO 1ST NOV., 1999 IN ORISSA ITS IMPACT ON WATER RESOURCES DEPARTMENT.

The Super Cyclone that precepitated torenially from 29th October to 1st November 1999 is a catastrophic hydrometeorological event surpassing all previous calamities in the living memory and has devastated eleven coastal district.

The rainfall on 29th, 30th, 31st October & 1st November at OUPADA in BHADRAK district was 120 mm, 345 mm, 400 mm, & 90 mm respectively. The total rainfall of 955 mm. at OUPADA was the most intense point rainfall.

Several stations (Annexed - II) recorded rainfall exceeding 500 mm. in two days with rainfall around 450 mm. in one day. Accompanied with cyclonic gale of 200 to 300 Km./hour unprecedented damages were caused to the irrigation/flood control infrastructure in eleven coastal districts

BAITARANI-SALANDI basin of 10,000 sq. Km. received the most intense rainfall in the range 700 to 950 mm. The adjoining BURHABALANG basin on the North (5,000 sq. Km.) recorded 600 to 800 mm of rainfall.

The BRAHMANI AND MAHANADI Basin in the south with largest arable area of 20,000 Sq. Km. received 400 to 600 mm. of rainfall.

A gross cultivated area of 3.7 million Ha. was affected with 2 million Ha. cropped area getting submerged, of which 0.8 M Ha. is irrigated through Major/Medium/Minor flow and lift projects. Massive destruction of human life, crops, orchads, public & private bulding, irrigation, communication, power infrastructure occured.

- 2005 nos of breaches have occurred covering an overall length of 20 Km. in flood protective embankments.
- 8647 no of breaches have occurred covering an overall length of 43 Km. in canals.
- A large nos of structures on embankments and canals have either collapsed or suffered massive damaged.
- 454 public buildings have been severely damaged
- Head works six dams have suffered structural distress.

HYDROLOGY

BAITARANI :

The rivers which contributed to the most destructive flooding are Baitarani & its tributaries Kusei, Musal, Ghagra at/below Anandapur and Salandi around Bhadrak.

At Anandapur Baitarani recorded a peak flood around 6000 Cumec. The river also received an additional 2000 Cumec flow from KUSEI which has changed its course, outflanking and destroying two major bridges. Against 8000-9000 Cumec flood conveyed below Anandapur, the safe carrying capacity is not even 2500 Cumec. Several massive breaches upto 100 TO 200 M. HAVE OCCURRED devastating the canal and agricultural land.

Below Akhuapada where 13,000 Cumec flood peak occurred (Safe Carrying capacity being 3000 Cumec) breaches have occurred in Jajpur Canal system(32,600 H.A.) and an extremely fertile Baitarani - Brahmani delta of 2,00,000 HA. devastated.

SALANDI, a major tributary to Baitarani on which a dam exist at Hadgarh received a peak flood of 8,000 Cumec against spillway capacity of 4,000 Cumec. The flood outflow was moderated to 2500 Cumec by the reservoir by encroching into the freeboard to save the district/town of Bhadrak. With this flood the submergence in the town area was 2 to 3 m. that caused substantial damage to life and property and to the canal system. Had 8,000 Cumec been experienced at Bhadrak, the submergence would have been 7 to 10 m. wiping out the entire population.

BRAHMANI

KHARSUAN, a major deltaic branch of Brahmani received massive spills from Baitarani and recorded a peak gauge of 21.00 ft.. against danger level of 19.50 ft. at Binjharpur below which protected and unprotected agricultural land received major flooding. The river conveyed 8,000 Cumec of flood, which is the highest that ever occurred.

MAHANADI

This being the largest river has almost 1.90 M.Ha. of flat flood prone area and as its spill spreads upto Brahmani in high flood both river cover almost one third of Orissa. One million Ha. arable land in coastal district of Puri, Khurda, Nayagarh, Jagatsinghpur, Kendrapara, Cuttack, Dhenkanal and Jajpur were affected in these basin primarily by stagnation due to 600 to 700 mm. of precepitation received. The drainage was impeded because of flatness of the terrain being one foot/mile.. As the river was overfull and 200 to 300 km./hour gale was blowing, the protective embankments of 1000 to 1500 km. length including the saline gherries along the coast line of 350 Km. received massive scour, sloughing, overtopping.

The peak gauge attained during flood is shown in Annexure - II.

MAJOR/MEDIUM DAMS

The drainage basin of six dams, Ramiala, Remal, Kanjhari, Salandi, Sunei and Kalo have received 500 to 900 mm. rainfall in 36 to 48 hours that has resulted in generation of a peak flood much in excess of their design spillway capacity. ~~Utmost care in operating these reservoirs have been taken.~~ Damages to head works, canal systems have occurred, rendering the irrigation projects incapable of providing any irrigation although the reservoir are absolutely full on November 10, 1999. Most of the dam would also need special rehabilitation from long term stability consideration.

* Restoration cost for major/medium projects commanding 0.8 million Ha. is Rs.26693.00 lakhs. The Rabi potential is 0.25 million Ha.

MINOR PROJECTS(FLOW)

Due to this Super Cyclone & flood the head works and distribution system of 422 of M.I. Projects out of 980 nos. in the district of Khurda, Cuttack, Jajpur, Kendrapara, Bhadrak, Balasore, Mayurbhanj, Dhenkanal and Keonjhar have been seriously affected/damaged.

As regards the nature of damage 31 nos. of dams have partially breached/slipped. With significant damage to head regulator and protective stone breaching. Heavy concentration of flood and wave action has caused subsidence and serious surface erosion.

On the spillway side embankments have been damaged, the gradewalls have collapsed with deep scours and protective aprons have largely subsided and removed away.

Diversion weir have mostly been outflanked and bodywalls damaged.

- The distribution system over a command area of 86,824 Ha. of total of 1,56,178 Ha. in these damages has been totally/partially damaged.
- Rabi coverage to 32,703 Ha. cannot be provided due to system distress.
- Almost 1090 Km. of distribution channels have suffered erosion through 1052 breaches and 306 canal structures had massive damage

A total of Rs. 4657.30 lakhs (immediate restoration Rs. 1630.05 lakhs and permanent restoration of Rs. 3027.25 lakhs) will be required to meet the repair works. As an immediate measure Rs. 250.00 lakhs will be required to close the breaches, construction of temporary structures and de-silting of canals etc. provide Rabi irrigation. Details are furnished vide annexure - III.

MINOR PROJECTS (LIFT)

Due to Super Cyclone, 5636 LIPs in 12 coastal districts namely Cuttack, Jagatsingpur, Kendrapara, Jajpur, Puri, Khurda, Nayagarh, Balasore, Bhadrak, Mayurbhanj, Keonjhar and Dehenkanal have been seriously affected. This includes disruptions of power supply in many L.I.P and damage of head works and distribution system. Due to flood, most of the pumps and other machineries were submerged which require rewinding. The damage to LIPs due to the super cyclone and flood has been worked out to cost Rs. 24.25 crores. Besides this an amount of Rs. 1.50 crores is required for repair and restoration of stores/departmental building and other machineries.

The Khariff crop in the above 12 districts has been mostly damaged thereby shattering the backbone of the cultivators. So a comprehensive programme for operation of LIPs for raising Rabi crops in these districts has been worked out on the following lines.

- (i) Immediate operation of LIPs where power supply is available with minimum repair and restoration of civil and electrical works. The cost of repair & restoration of such L.I.P is worked out to Rs. 12.46 crores.
- (ii) Operation of LIPs where power supply is disrupted but likely to be restored by 30.11.99 with minimum repair and restoration of civil and electrical works. The cost of repair & restoration of such L.I.P is worked out to Rs. 3.66 crores.
- (iii) Operation of LIPs where power supply is disrupted but likely to be restored by 31.12.99 with minimum repair and restoration of civil and electrical works. The cost of repair & restoration of such LIP is worked out to be Rs. 8.13 crores.

Restoration details in Annexure - IV.

With minimum repair and revival of these L.I.Ps O.L.I.C can provide irrigation to nearly 45 thousand Ha. during the current Rabi. The details enclosed in Annexure - IV.

CADA

The command are distribution channel and drains in major projects have sustained loss for which Rs. 10.00 crores is the restoration cost.

RESTORATION COST

The preliminary assesment of overall cost of restoration of damages to the Major, Medium & Minor projects & CADA of Water Resources Deptt. Is Rs. 349.25 crores. Divisionwise irrigated area damaged, flood protected area affected & amount require for restoration is shown vide Annexure - V.

In view of the serious financial crisis prevailing in the State Govt., we have moved the MOWR/World Bank to consider making available as a grant an amount of Rs. 60.00 Crore out of the OWRCP, an ongoing EAP.

Department of Water Resources is moving the Ministry of Water Resources to consider waving provision of matching state share for the AIBP assisted projects which have suffered massive damage in the Super Cyclone.

Similarly for RIDF assisted projects ^{request} is being ^{made} required for similar waiver of state share for projects in cyclone affected districts.

THE MOST INTENSE POINT RAINFALL FROM 29TH OCT. TO 1ST NOVEMBER

STATION	RAINFALL IN MM.				
	29 TH OCT.	30 TH OCT.	31 ST OCT.	1 ST NOV.	TOTAL
OUNPADA	120.0	345.0	400.0	90.0	955.0
BHADRAK	31.0	361.0	446.0	29.0	867.0
SUNEI DAM	22.2	330.2	292.1	139.7	784.2
ANANDAPUR	14.6	396.0	300.0	12.4	723.8
HADGARH	7.0	191.0	468.0	24.0	690.0
(SALANDI DAM)					
CHANDBALI		248.0	363.0	34.5	645.5
AKHUAPADA	26.2	351.4	166.6	78.0	622.20
ASTARANG		300.0	220.0	80.0	600.0
BHUBANESWAR	25.6	426.4	104.4		556.4
KAKATPUR	280.0	180.0	87.0		547.0
KUJANG	65.0	355.0	55.0		475.0
JENAPUR	36.6	259.2	128.2	23.4	447.4

GAUGE READINGS DURING PEAK FLOOD RECORDED AT TYPICAL STATIONS ILLUSTRATE THE SEVERITY OF THE FLOOD.

STATION	PEAK GAUGE RECORDED	DANGER LEVEL
(1) ANANDPUR (BAITARANI)	40.05 M. 30.10.99	38.36 M.
(2) AKHUAPADA (BAITARANI)	20.77 M. 30.10.99	17.83 M.
(3) RAJGHAT (SALANDI)	16.72 M. 30.10.99	15.13 M.
(4) BINJHARPUR (KHARSUAN)	21.00 FT. 31.10.99	19.50 FT.
(5) SRIBANTAPUR (DEVI)	4.5 M. 29.10.99	3.1 M.
(6) BHUTAMUNDEI (MAHANADI)	4.3 M.	2.8 M.
(7) ALVA (BRAHMANI)	17.60 FT.	16.00 FT.

**STATEMENT SHOWING DAMAGED KHARIF CROP AREA AND PROBABLE RABI COVERAGE IN SUPER CYCLONE HIT DISTRICTS
AND COST OF RESTORATION**

Sl.No.	Name of the Districts	Total No. of Projects (Comp. + P.D. + on-going)	No. of Projects Affected	Total kharif area of the Districts	Total kharif area affected	Amount reqd. for temporary restoration	Amount reqd. for bringing to pre-flood/ cyclone condition	Total amount in lakhs	Total area of Rabi coverage of the district	Amount for temporary restoration	Details of canal damages
1	2	3	4	5	6	7	8	9	10	11	12
1.	Mayurbhanj(part)	206	35	30710.00	12846.00	158.02	293.43	451.50	4143.00	11.50	Total canal length - 106.00 Km
2.	Khurda	145	99	19621.00	13723.00	245.38	455.72	701.10	2551.00	28.20	No. of breaches occurred - 105.20
3.	Nayagarh(part)	120	10	20492.00	5595.00	30.66	56.94	87.60	5098.00	5.50	No. of structures damaged - 31.00
4.	Puri	4	4	294.00	228.00	13.13	24.37	37.50	16.00	-	
5.	Bhadrak	13	12	2172.00	1304.00	40.91	75.99	116.90	848.00	9.60	
6.	Balasore	44	40	8080.00	7463.00	211.58	392.92	604.50	3600.00	20.40	
7.	Cuttack	107	62	19332.00	14417.00	356.60	662.20	1018.80	4458.00	82.10	
8.	Jaipur	85	61	10667.00	6264.00	188.04	349.26	537.30	1993.00	33.40	
9.	Kendrapara	16	16	436.00	375.00	34.30	63.70	98.00	80.00	4.50	
10.	Keonjhar(part)	143	48	24952.00	11254.00	246.05	456.95	703.00	5535.00	32.50	
11.	Dhenkanal(part)	97	35	19422.00	13355.00	105.38	195.72	301.10	4381.00	22.30	
	Total :	980	422	156178.00	86824.00	1630.05	3027.20	4657.30	32703.00	250.00	

pair/Restoration of LIPs damaged due to super cyclone and flood vis-a-vis amount required for different purpose

Sl.No.	Name of District	No. of LIPs existing by 6/99.	No. of LIPs affected in the super cyclone & Flood.	Approx. Rabi potential-affected (in thousand hecets.)	Approx. restoration cost (Rs. in lakhs)
1	2	3	4	5	6
	Super Cyclone/Flood				
1.	Jagatsinghpur	519	353	3.50	211.00
2.	Cuttack	777	573	6.00	221.00
3.	Kendrapara	1202	1093	12.00	455.00
4.	Puri	398	393	5.00	196.00
5.	Khurda	271	271	3.80	135.00
6.	Jajpur	1268	608	7.40	165.00
7.	Balasore	1836	1100	12.50	498.85
8.	Bhadrak	756	450	5.00	210.00
9.	Mayurbhanj	753	183	2.00	176.15
10.	Dhenkanal	377	235	2.80	47.00
11.	Nayagarh	243	243	3.30	85.00
12.	Keonjhar	746	134	1.60	25.00
	Total :	9146	5636	64.90	2425.00

ABSTRACT

1. Amount required for repair restoration of (a) LIPs	Rs.24.25 crores
(b) Store and Departmental buildings.	Rs.1.00 crores
(c) Vehicles and other mechnaries	Rs.0.50 crores

Total :	Rs.25.75 crores

PRELIMINARY RESTORATION COST OF DAMAGES
DUE TO SUPER CYCLONIC STORM FROM 29.10.99 TO 31.10.99
OF WATER RESOURCES DEPARTMENT, GOVERNMENT OF ORISSA

Sl. No.	Name of the Division	Irrigated area affected in lakh Ha.	Flood protected area affected in lakh Ha.	Amount
1	2	3	4	5
1.	Khurda Irrigation Divn.	0.19	2.20	400.00
2.	Puri Irr. Divn.	0.50	2.10	800.00
3.	Prachi Divn.	0.30	1.80	800.00
4.	Nimapara Irr. Divn.	0.55	1.40	1000.00
5.	Mahanadi South Divn.	0.33	2.00	2000.00
6.	Mahanadi North Divn.	0.45	1.60	826.00
7.	Jagatsinghpur Irr. Divn.	0.40	1.50	2578.00
8.	Kendrapara Irr. Divn.	0.48	1.60	2770.00
9.	Saline Embkt. Divn.	Nil	0.80	1400.00
10.	Jaraka Irr. Divn.	0.09	0.70	600.00
11.	Jajpur Irr. Divn.	0.35	1.30	2999.00
12.	Baitarani Divn.	0.70	1.50	2000.00
13.	Salandi Canal Divn.	0.45	2.30	2500.00
14.	Balasore Irr. Divn.	Nil	2.40	1000.00
15.	Mayurbhanj Irr. Divn.	0.40	1.00	600.00
16.	Angul Irr. Divn.	0.23	0.80	1000.00
17.	WALMI	Nil	Nil	50.00
18.	Dam Safety Organisation	-	-	12.00
19.	Special Restoration to Major & Medium Dams where slow subsidence and seepage has occurred	-	-	2500.00
20.	Mahanadi Chitrotpala Project & Naraj Project	-	-	700.00
21.	Stores & Mechanical Divn.	-	-	67.00
22.	Orissa Construction Corporation	-	-	34.00
23.	Rengali Right Canal Divn.	-	-	15.00
24.	Deo Canal Divn.	-	-	22.00
25.	Subarnarekha Irr. Project	-	-	20.00
26.	C A D A	-	-	1000.00
27.	Minor Irrigation	0.30	-	4657.00
28.	Lift Irrigation	1.73	-	2575.00
	Water harvesting structure & Creek Irrigation Project	0.50	-	
	Total :	8.10	25.00	34925.00

**DISTRICT-WISE CYCLONE DAMAGE REPORT OF PUBLIC WORKS
DEPARTMENT, 28TH - 30TH OCTOBER 1999.**

(ROAD WING.)

Sl. No.	Name of the District	No. of roads affected	Amount required for immediate restoration (Rs. in lakh)	Amount required for restoration of pre-cyclone condition (Rs. in lakh)	Total requirement (Rs. in lakh)
1	2	3	4	5	6
1.	Puri	39	324.80	877.20	1202.00
2.	Khurda	67	1311.48	3276.62	4588.10
3.	Cuttack	81	254.56	559.65	814.21
4.	Jagatsinghpur	36	294.80	794.20	1089.00
5.	Kendrapara	20	393.55	639.00	1032.55
6.	Jajpur	38	313.00	573.00	886.00
7.	Bhadrak	24	37.77	911.83	949.60
8.	Balasore	37	228.10	618.80	846.90
9.	Mayurbhanj	31	144.95	933.45	1078.40
10.	Keonjhar	13	55.75	1271.25	1327.00
11.	Dhenkanal	26	77.75	154.75	232.90
12.	Angul	13	38.90	76.30	115.20
13.	Nayagarh	19	19.80	75.20	95.00
	TOTAL	444	3495.21	10761.25	14256.46
DAMAGE TO NATIONAL HIGHWAYS					
14.	National Highways (9 M.O.S.T + 2 N.H.A.I.)	11	452.07	3134.68	3586.75
	GRAND TOTAL	455	3947.28	13895.93	17843.21

DISTRICT WISE SUPER CYCLONE & FLOOD DAMAGE REPORT OF PUBLIC WORKS DEPARTMENT

Sl. No.	Name of the District	No. of buildings affected (residential and non residential)	Amount required for immediate restoration (Residential & non residential) (Rs. in lakh)	Amount required for restoration to pre cyclone condition (Rs. in lakh)	Amount required for electrical restoration (Rs. in lakh)	Total amount required (Rs. in lakhs)
1	2	3	4	5	6	7
1.	Jagatsinghpur	235	222.45	867.55	14.53	1104.53
2.	Cuttack	3678	5334.68	9304.91	339.09	14,978.68
3.	Kendrapara	68	108.15	172.40	41.38	321.93
4.	Jajpur	285	392.10	142.70	6.71	541.51
5.	Bhadrak	403	48.35	126.70	1.16	176.21
6.	Balasore	518	83.00	152.25	1.24	236.49
7.	Mayurbhanj	416	61.65	115.15	2.35	179.15
8.	Keonjhar	73	12.70	30.80	-	43.50
9.	Puri	725	127.35	340.05	41.44	508.84
10.	Khurda	11,366	990.36	1836.92	484.98	3312.26
11.	Nayagarh	133	3.05	46.30	4.78	54.13
12.	Dhenkanal	132	119.50	216.15	-	335.65
13.	Angul	27	8.30	28.05	-	36.35
	TOTAL	18059	7511.64	13379.93	937.66	21829.23

ANNEXURE - XI-A

DAILY SITUATION REPORT ON SUPPLY OF RICE AND PETROLEUM PRODUCTS AFTER SUPER CYCLONE IN ORISSA 29-30TH OCTOBER, 1999.

(FOOD SUPPLY AND CONSUMER WELFARE DEPARTMENT)

As on 25.11.99

Name of the District	Material supplied				
	RICE (IN MT)	PETROL (IN KL)	DIESEL (IN KL)	SKO (IN KL)	LPG (IN CYLINDER)
Bhadrak	4497.912	114.1	718.0	1863.0	3000
Cuttack	7640.747	820.0	2874.0	4585.5	31800
Jagatsinghpur	7383.586	140.0	369.5	2000.5	5400
Jajpur	5248.604	229.0	1428.0	2277.5	4800
Kendrapara	8143.166	125.0	506.5	1556.5	2700
Khurda	2849.430	1596.0	3466.0	2457.0	46500
Puri	4422.572	218.0	783.0	1833.0	8400
Keonjhar	1282.980	117.0	1030.0	1207.5	2100
Balasore	4487.028	251.0	2629.0	1814.5	6600
Mayurbhanj	125.231	4.0	23.0	NR	NR
Nayagarh	6.530	3.5	8.0	23.0	NR
Dhenkanal	127.800	103.0	519.0	1276.5	3900
TOTAL	46215.586	3720.6	14354.0	20894.5	115200

Annexure-XI-B

Daily situation report on supply and distribution of Relief materials after the Super Cyclone in Orissa -29-30 October, 1999.

As on 26.11.99

Name of the District	Relief materials supplied by air dropping.		Relief materials supplied by road	
	Sorties	Rice, Chuda, Gur, Dry food, Biscuit, CSB etc.	No of trucks carrying Equipment, Chuda, dry foods, Biscuits, water, fruits, candle, match box milk powder, medicines etc. despatched	
	1	2	3	4
Mayurbhanj		NR	NR	NR
Balasore		NR	NR	11
Bhadrak		32	77.84	194
Cuttack		10	18.59	349
Jagatsinghpur		120	312.26 + 6 Brls. K.Oil	391
Jajpur		30	67.80	231
Ganjam		NR	NR	60
Kendrapara		50	132.05	429
Dhenkanal		NR	NR	NR
Khurda		2	3.90	65
Nayagarh		NR	NR	NR
Puri		10	25.50	120
Keonjhar		1	1.60	NR
Total		255	639.54 MT + 6 Brls. K.Oil.	1826

ACTION TAKEN FOR CYCLONE AFFECTED AREAS OF THE STATE BY HEALTH & FW DEPT
UPTO 27.11.1999

FROM CONTROL ROOM,

DIRECTORATE OF HEALTH SERVICES, ORISSA, BBSR.

ANNEXURE - XIII

ADDITIONAL MANPOWER DEPLOYED						
DISTRICT	DOCTORS			PARA-MEDICALS		
	Progressive	Upto 8 PM	Total	Progressive	Upto 8 PM	Total
	Total	of 27.11.99		Total	of 27.11.99	
Cuttack	23	0	23	4	0	4
Puri	13	0	13	12	0	12
Kendrapara	47	-10	37	62	-10	52
Khurda	0	0	0	2	0	2
Jagatsingpur	48	2	50	106	25	131
Keonjhar	0	0	0	0	0	0
Jajpur	6	0	6	1	0	1
Balasore	0	0	0	0	0	0
Bhadrak	2	-1	1	3	-2	1
Dhenkanal	0	0	0	0	0	0
Total	139		130	190		203

DISTRICT	MOBILE UNIT			VEHICLE		
	Progressive	Upto 8 PM	Total	Progressive	Upto 8 PM	Total
	Total	of 27.11.99		Total	of 27.11.99	
Cuttack	6	0	6	7	0	7
Puri	7	0	7	9	0	9
Kendrapara	3	0	3	9	-2	7
Khurda	0	0	0	1	0	1
Jagatsingpur	20	1	21	39	2	41
Keonjhar	0	0	0	0	0	0
Jajpur	7	0	7	7	0	7
Balasore	0	0	0	0	0	0
Bhadrak	1	0	1	1	0	1
Dhenkanal	0	0	0	0	0	0
Total	44		45	73		73

DISTRICTS	TRUCK WITH MEDICINES		
	Progressive	Upto 8 PM	Total
	Total	of 27.11.99	
Cuttack	24	1	25
Puri	12	0	12
Kendrapara	19	0	19
Khurda	13	0	13
Jagatsingpur	35	0	35
Keonjhar	5	0	5
Jajpur	16.5	1	17.5
Balasore	9	0	9
Bhadrak	5	0	5
Dhenkanal	2	0	2
Total	140.5	1	142.5

DRUG DISTRIBUTION TILL 27-11-1999

District	Bleaching Powder			ORS			Halogen Tablet			IV fluids			IV set		
	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total
Bhirda	1209	0	1209	117750	0	117750	272000	0	272000	13750	0	13750	7500	0	7500
Cuttack	2359	0	2359	253500	15000	268500	368000	125000	514000	33761	0	33761	33550	0	33550
Kendrapada	2549	0	2549	187250	0	187250	678000	0	678000	44383	0	44383	25800	0	25800
U. S. Pur	4287	0	4287	507370	0	507370	1594000	0	1594000	38584	0	38584	53550	0	53550
Bhubaneswar	1455	0	1455	219500	7500	227000	561000	160000	721000	28315	0	28315	9700	0	9700
Bhadrak	1045	0	1045	93000	0	93000	355000	0	355000	14400	0	14400	9200	0	9200
Puri	1075	0	1075	581500	0	581500	388000	0	388000	1500	0	1500	5500	0	5500
Khordha	300	0	300	30000	0	30000	0	0	0	4500	0	4500	2000	0	2000
Polasara	0	0	0	55000	0	55000	0	0	0	13425	0	13425	10000	0	10000
NGO from NGO															
U. S. Pur	229	0	229	141325	0	141325	181440	0	181440	0	0	0	0	0	0
Bhadrak	0	0	0	3000	0	3000	0	0	0	3000	0	3000	3000	0	3000
Total	14558	0	14558	2169295	22500	2211795	4417440	288000	4703440	185618	0	185618	183300	0	183300

District	Paracetamol			Norflox			Metronidazole			Cotrimoxazole			Tetracycline		
	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total	PRG 26/11	on the Day	Total
Bhirda	471500	0	471500	42750	0	42750	199000	0	199000	508000	0	508000	106000	0	106000
Cuttack	383250	150000	543250	60240	25100	85340	228200	80000	308200	164000	150000	314000	115000	0	115000
Kendrapada	349000	0	349000	62000	0	62000	212400	0	212400	309600	0	309600	63000	0	63000
U. S. Pur	515000	0	515000	83000	0	83000	322000	0	322000	715800	0	715800	153000	0	153000
Bhubaneswar	248300	112000	360300	62400	0	62400	120000	100000	220000	111050	100000	211050	55440	0	55440
Bhadrak	259400	0	259400	25000	0	25000	83000	0	83000	215050	0	215050	15300	0	15300
Puri	60000	0	60000	39200	0	39200	160000	0	160000	278000	0	278000	77000	0	77000
Keonjhar	23000	0	23000	9000	0	9000	10000	0	10000	29000	0	29000	12000	0	12000
Polasara	20000	0	20000	0	0	0	0	0	0	0	0	0	60000	0	60000
NGO from NGO															
U. S. Pur	105760	0	105760	25800	0	25800	53610	0	53610	25480	0	25480	102300	0	102300
Bhadrak	30000	0	30000	9000	0	9000	0	0	0	200	0	200	25000	0	25000
Total	2474310	272000	2746310	418390	25100	443490	1388210	180000	1568210	2344180	250000	2594180	811740	0	811740

STOCK AVAILABLE AS ON 27.11.1999

Bleaching Powder	8844
ORS	751122
Halogen Tablets	21801200
IV fluids	462943
IV Set	248305
Paracetamol	1692000
Norflox	3900
Metronidazole	10000
Cotrimoxazole	14124500
Tetracycline	70000
Anti Snake Venom	1828
Furazolidin	155000

EPIDEMIC REPORT RECEIVED FROM CYCLONE AFFECTED DISTRICTS AS ON 27.11.99 AT 8 PM,
CYCLONE - 1999

District	Diarrhoeal Disorders				Snake Bite		Minor Allments	
	Attacks							
	IPD	OPD	TOTAL	DEATHS	ATTACKS	DEATHS	ATTACKS	DEATHS
Khurda	182	2475	2657	2	2	1	178974	1
Cuttack	1265	17091	18356	26	129	0	166412	0
Kendrapara	207	29251	29458	1	13	0	263713	0
J.S.Pur	2035	24561	26596	37	12	0	236426	0
Jaipur	453	167	620	4	2	0	107593	0
Bhadrak	123	2726	2849	0	11	0	167402	0
Puri*	335	2357	2692	3	5	0	178249	0
Keonjhar	514	393	907	1	0	0	5631	0
Balasore	441	3767	4208	4	8	3	84689	0
Total	5555	82738	88343	78	182	4	1389089	1

Based on CDMOs report

Ganjam			626	2	3	0	23947	0
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Barang-1, Tangi-6, Niali-9, Adaspur-7, Mahanga-2 & SCB MCH-1

Death up to 9th - 8, on 12th-8 and on 13th -8, on 14th-1 on 15th - 3, on 17th 1 on 18th 4, on 18th 2, on 20th 1, on 21st 1 on 22st 1, on 24th 1, on 25th 2 deaths in J.S.Pur

Erasama 21, Kujanga 12, Paradeep 2, Manijanga 2 deaths in JSPUR

Fever attack - 315 Death - 3 in Jaipur

366 Fever cases examined for Blood Smear, 16 found Malaria Positive (PF - PV) in Bhadrak district

* Subsequent investigation in Puri revealed one death on 24th was from outside of cyclone affected area.

WELLS DISINFECTED UPTO 27.11.1999

District	WELLS DISINFECTED		1st round	2nd round	3rd round
	On the day	Progressive			
Khurda	1414	219208	75812	75812	67584
Cuttack	4637	256099	84301	84301	92134
Kendrapara	5822	131386	87626	87626	34512
J.S.Pur	3917	152990	54121	54121	45123
Jaipur	2314	94397	63399	63399	3548
Bhadrak	1920	47296	27527	27527	3833
Puri	2608	42435	29841	29841	2561
Keonjhar	1254	1371	654	654	154
Balasore	449	33865	31265	31265	1321
Total	24335	979047	454546	454546	250770

District	Malaria		Dead bodies disposed	
	Attacks	Deaths	Human	Animal
Khurda	19	0	NR	NR
Cuttack	60	0	NR	NR
Kendrapara	22	0	NR	NR
J.S.Pur	3	0	7394	15610
Jaipur	34	0	NR	NR
Bhadrak	381	0	NR	NR
Puri	9	0	NR	NR
Keonjhar	NR	NR	NR	NR
Balasore	NR	NR	NR	NR
Total	617	0	7394	15610

SUPER CYCLONE RELIEF: NGO PARTICIPATION

Date: 27 November 1999

Progress Report: (On the basis of available information)

1. Organisations Involved/ Offered Assistance:

- i. International NGOs: 20
- ii. National/Regional NGOs: 19
- iii. Local NGOs: 92

2. Carcass Disposal: 10,500 (16 NGOs involved)

3. Human Body Disposal: 2530 (16 NGOs involved)

4. Free Community Kitchen:
- i. 75 centres catering to 22,500 persons per day
 - ii. Dera of Pehwa is organising free kitchen for 1,00,000 persons/day from 13/11/99, at J.S.Pur.
 - iii. 35,000 families provided food ration by OXFAM
 - iv. 32,000 persons per day being provided food by Red-Cross.
 - v. ISKCON has distributed food packets to 2,55,370 persons
 - vi. 170 distribution centres are being run by Utkala Bipanna Sahayata Samiti, catering to 80,000 persons per day.
 - vii. 32,000 persons/day: provided food by ODMM.
 - viii. Gita Press :20,000 persons/day in 17 centres.
 - ix. 1065 MT of BPL rice 25 Mt of Wheat has been issued to NGOs for running free kitchen.

5. Distribution of Relief Material:

- | | | | |
|---------------------|-----------------|----------------------------|-----------------------------|
| i. Rice: | 1,572 MT | ix. Match Box: | 1,67,000 |
| ii. Chuda/RTE: | 2000 MT | x. Biscuits: | 3,180 Cartons |
| iii. Pulses: | 50 MT | xi. High Protein Biscuits: | 284 MT |
| iv. Oil: | 4100 Pails | xii. Baby food: | 20 MT |
| v. Potato: | 24 MT | xiii. Polythene(12'x15'): | 1,55,000 sheets & 1600 bdle |
| vi. Salt: | 3 MT | xiv. Light Blanket: | 66,500 |
| vii. Flour: | 7 MT | xv. Utensils: | 5,500 sets |
| viii. Milk Powder: | 5 MT | xvi. Lanterns: | 5,500 |
| ix. Bread: | 5000 packets | xvii. Floor Mats: | 11,000 |
| x. Nutrimix: | 9,000 packets | xviii. Water Bottle: | 10,000 & 10,000 pouches |
| xi. Sugar: | 1 MT | xix. Jerrycans (20 Lit): | 15,669 |
| xii. CSB: | 1480 MT | xx. Buckets: | 5,500 |
| xiii. Gur: | 35 MT | xxi. HDPE Tarpaulin: | 25,300 m |
| xiv. Eggs: | 6 Truck Load | | |
| xv. Cooked Food: | 3 Truck Load | | |
| xvi. Clothes: | 2,50,000 Pieces | | |
| xvii. Candle sticks | 20,60,000 | | |

6. Health & Sanitation (Involving 13 NGOs):

i. No. of Doctors:	520
ii. No. of Para-medical Staff:	800
iii. No. of Health Volunteers:	1500
iv. No. of Blocks covered:	30
v. No. Of People Served:	7.5 Lakhs
vi. No. of families covered:	1,50,000
vii. Bore holes disinfected:	42,882
viii. Water tankers:	18
ix. Diesel Generators:	5
x. Shallow tube-wells:	110
xi. Medicines Supplied:	
a. Halogen tablets:	10,00,000
b. Chlorine tablets:	2,28,00,000
c. Water Purifier:	1,130
d. ORS packets:	8,90,000 Sachets
e. Ringer Lactate:	50,000 bottle
f. Antacid:	10,000 tablets/bottle
g. Bleaching Powder:	137 MT
h. Saline:	66,216
i. Intravenous Inf:	50,000
j. Cotrimexazole syp (60ml):	10,000
k. Cotrimexazole Tablets:	2,00,000
l. Chloroquin:	75,00,000 tablets
m. Snake venom:	1,000

7. Drinking Water: *Water Purification Plants (2) each of 1000 Lit/hr Capacity are being setup by OXFAM and CARE*

8. Volunteers: *2000 volunteers are engaged in health & sanitation, distribution of cooked food dry ration, counseling, etc 425 Home Guards from MP have reported for voluntary services. 7750 Volunteers of Utkal Bipanna Sahayata Samiti are engaged in various services including, carcass disposal, cooked food distribution, health care, counseling, etc.*

Local NGOs		Activity	Local NGOs		Activity
31 O W Adventure Club	Medicine & Clothes		64. Vizag Utkal Samaj	Food & Cloth	
32. VIKASH, BBSR	Assist Govt. Machinery		65. Varoda Oriya Samaj	Relief	
33. SAMARPAN, Cuttack	Health Care		66. Lok Sevak Mandal	Relief & Rehab.	
34. POWERD, BBSR	Volunteers		67. THREAD	Volunteers	
35. O Palita Udhav Samiti,	Assist Govt. Machinery		68. Help Foundation, BBS	Assist Govt. Machinery	
36. NISWASS, BBSR	Volunteers		69. Abhilash, BBSR	Assist Govt. Machinery	
37. Ramakrushna Seva Samaj	Assist Govt. Machinery		70. Nilachal Sevaram	Assist Govt. Machinery	
38. Ruchika School, BBSR	Assist Govt. Machinery		71. AGNI, BBSR	Assist Govt. Machinery	
39. Grievance Centre, BBSR	Assist Govt. Machinery		72. CHANSEAD, AP	Food, Cloth	
40. Development Initiative	Volunteers		73. SAHAJYOTIKA, CTC	Assist Govt. Machinery	
41. Kalinga Engineers	Free Kitchen		74. ASMS, Badachana	Assist Govt. Machinery	
42. SPEED, BBSR	Assist Govt. Machinery		75. AWSO, BBSR	Assist Govt. Machinery	
43. LAVS, BBSR	Assist Govt. Machinery		76. OAMTTO, BBSR	Assist Govt. Machinery	
44. HOPE, Cuttack	Assist Govt. Machinery		77. ODAF, BBSR	Assist Govt. Machinery	
45. BGVS, BBSR	Relief & Dead body disposal		78. Janakalyan Y.S., Bhadrak	Free Kitchen	
46. VIJAYA, BBSR	Assist Govt. Machinery		79. Darpan, BBSR	Assist Govt. Machinery	
47. UBSS, BBSR	Free Kitchen, body disposal		80. MARS, CTC	Assist Govt. Machinery	
48. Andhra Bank Officers	Food & Health		81. Satya Sai Seva, BBSR	Free Kitchen	
49. LION'S Club	Food		82. YVSS, Ahmedabad	Free Kitchen	
50. ARANYANI, BBSR	Clothes		83. FARR, Balimi	Free Kitchen	
51. VEDANTA Samiti	Free Kitchen		84. Vasundhara, CTC	Free Kitchen	
52. Rotary Club, BBSR	Free Kitchen		85. OPU Club, Ragadi Patna	Relief	
53. BBSR Ladies Club	Free Kitchen				
54. Agraamti, Raygada	Free Kitchen				
55. NIN Club, Khurda	Food & Relief				
56. Care & Share	Food & Relief				
57. Oriya Samaj, Lucnow	Rehabilitation				
58. Oriya Samaj, Delhi	Relief				
59. INSEF, BBSR	Relief & Rehab.				
60. Pragati Group	Free Kitchen, Relief				
61. SHEDS, Jatani	Drinking Water				
62. VRP, Jaipur	Water/Health/Shelter				
63. IRDMS	Assist Govt. Machinery				

ANNEXURE - XV

POSITION OF CRF/NFCR FOR 1999-2000 (AS ON 24.11.99)

(Rs. in lakhs)

<u>CRF</u>		<u>NFCR</u>	<u>TOTAL</u>
1.	Corpus of CRF.		
		Sanctioned BudgetGrant	
(i)	State Share - 1417.00	1414.92	
(ii)	Central Share- <u>4250.00</u> 5667.00	<u>4250.00</u> 5664.92	
(iii)	Unspent amount sought for in 2nd supplementary expenditure during 98-99 added to the current years budget.	<u>108.67</u> 5773.59	
2.	Amount allotted so far :	18026.00	23799.59
(i)	Drought - 1634.22		
(ii)	Flood/Cyclone etc.- 4139.37	5773.59	
		17837.69	23611.28
	Balance Available	-	
		188.31	188.31

NB- Out of Rs.18000.00 lakhs under NFCR, Rs,8000.00 lakhs is OCF Advance and Rs.10000.00 lakhs is only assurance.

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DETAILS OF RELEASE POSITION FROM C.R.F/N.F.C.R FOR 1999-2000
(As on 24.11.99)

Drought Mitigation Measures

(Rs.in lakhs)

1. Rural Development Department :

- | | |
|---|-----------|
| (a) For sinking of New Tubewells and replacement of defunct Tubewells vide No.1976/7.4.99 | Rs.300.00 |
| (b) Deployment of hired mobile vans (85 nos. in drought-affected blocks) vide No. 1984/7.4.99 | Rs. 64.06 |
| (c) Extension of Riser Pipes in drought-affected districts vide No.1991/7.4.99 | Rs. 50.00 |
| (d) Sinking of 15 Tubewells in the acute scarcity affected tribal habitations in Rayagada districts vide No.2344/4.5.99 | Rs. 6.00 |

2. Housing & Urban Development Department :

- | | |
|---|-----------|
| (i) Sinking of new Tubewells/replacement of defunct Tubewells in drought-affected U.L.Bs. and other water scarcity U.L.Bs. vide No. 1998/7.4.99 | Rs. 40.00 |
| (ii) Augmentation of Water supply scheme to Anandapur NAC (Ghasipura) Reach-II to solve the acute drinking water vide No.2397 dt. 5.5.99. | Rs. 14.57 |

3. Agriculture Department :

Supply of subsidised paddy seeds in the areas formally declared as drought affected vide No.2351 dt. 4.5.99.	Rs.400.00
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4. Co-operation Department :

Conversion of S.T.loan to M.T. loan to the farmers in the drought affected areas during Kharrif-98 vide No.4830/SR, dt.25.9.99.	Rs.618.44
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5. All Collectors :

Hire charges of Water tanker truck mounted G.I. Tanks to provide drinking in the drought-affected areas and other water scarcity areas vide No.2020/7.4.99	Rs. 38.00
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- | | |
|--|-----------|
| 6. (i) Temporary drinking water supply through Chua-Chahala in drought affected districts vide No.2014/7.4.99
(23 Collectors) | Rs. 23.00 |
| (ii) Collector, Nayagarh vide letter No.2890/29.5.99 | Rs. 1.00 |

7. Collector, Nuapada

Renovation of 6 tanks in scarcity affected area of Nuapada district vide letter No.2358 dt. 4.5.99.	Rs. 5.00
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8. Collector, Bhadrak

To be completed by 30.11.99

(Rs. in lakhs)

1. Construction of Kailasa

Construction of (three) open well in villages of
Kailasa, Kailasa and Rayur in the district of
Mysore. No. 2427/SR dt. 7.5.99

Rs. 1.20

2. Construction of Kailasa

Construction of 2(two) open well water tank in Urban
area. No. 2511/SR dt. 7.5.99

Rs. 2.00

3. Employment of Gene ating Works

Letter No. 2896/SR dt. 29.5.99, No. 4813/dt. 24.3.99
No. 5919/dt. 10.99

i)	Kailasa	3.65
ii)	Kailasa	30.55
iii)	Chankana	7.20
iv)	Rayur	6.06
v)	Nayagarh	18.00
		64.45

Rs. 64.45

4. Investigation including hire charges of
a set supplied to the drought affected
area. No. 4813/SR dt. 24.3.99 & No. 5919/SR

Letter No. 5919/dt. 10.99
No. 5919/dt. 10.99

Rs. 2.00

Total

Rs. 68.45

DETAILS OF RELEASE POSITION FROM C.R.F. FOR 1999-2000 (AS ON 24.11.99)

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FLOOD/CYCLONE/SUNSTROKE AND OTHER MITIGATION MEASURES :

1.	Health & Family welfare Department :	(Rs. in lakhs)
	Purchase of Medicine Saline and other contingent expenditure due to heat wave conditions in 3 (three) Medical College Hospitals and Capital Hospital @ Rs.1.00 lakhs each vide No. 2032/7.4.99	Rs. 4.00
2.	Housing & Urban Development Department :	
a)	Repair and restoration of guard wall of Lachhamanpalli Road in Aska NAC vide No.2390/5.5.99	Rs. 1.20
b)	Immediate repair of Farhapur Municipality Fisheries & Animal Resources Development Department :	Rs. 10.00
a)	Purchase Supply of Fodder Medicines and FMD vaccines to the cattle in the flood affected areas vide No.4075/10.8.99 and No.4755/21.9.99	Rs.100.00
b)	Disposal of carcasses	Rs.25.00
4.	Water Resources Department :	
a)	Repair of breaches in the flood affected areas vide letter No.4064/10.8.99 & No.4285/23.8.99	Rs.250.00
b)	Repair of damaged embankments & saline embank- Works Department: rents in Ganjam dist.	Rs. 50.00
(i)	Immediate repair of damaged public buildings damaged due to Cyclone.	Rs.100.00
(ii)	Repair of roads & Buildings	Rs. 100.00
6.	Energy Department :	
	Restoration of power supply	Rs.400.00
7.	Rural Development Department :	
(i)	Immediate repair of damaged public building damaged due to Cyclone.	Rs. 50.00
(ii)	Repair / restoration of roads	Rs. 25.00
3.	Panchayat Raj Department :	
	Immediate repair of damaged public building damaged due to Cyclone	Rs. 10.00
	All Collectors :	
	Provision of medicine, salines, Ice etc. in different Hospitals for treatment of sunstroke Patients (Through Jilla Swasthya Samithis vide No.2026/7.4.99.	Rs. 30.00
0.	Ex-gratia :	
	Flood	Rs. 1.40
	Sunstroke	Rs. 18.60
	Fire	Rs. 4.75
	Lightning	Rs. 14.50
	Thunder Storm	Rs. 0.80
	Cyclone	

(Rs. in lakhs) (L.)

11. Assistance for repair/reconstruction of Housing :		
(i) Cyclone		Rs. 1018.22
(ii) Fire		Rs. 106.02
(iii) Flood		Rs. 66.83
(iv) Disposal of Carcasses & contingent expenditure		Rs. 110.00
12. Gratuitous Relief		Rs. 527.44
13. Transport Charges		Rs. 106.13
14. Collector, Balasore		
(i) Repair of O.T. Road to Parikhi vide No.262/18.5.99		Rs. 5.00
(ii) Repair/restoration of bridge over Budhinala with repair of road from Kanthapada Rly Station to Kelgan	Rs. 10.00	
and		
H.P.culvert over Manglanala alongwith repairs in Tiakhia-Kurikhai road vide No.267820.5.99	Rs. 5.00	Rs. 15.00
15. Collector, Puri		
Repair/restoration of Salyabadi Temple to Alasaranga road damaged due to flood, 1998 vide No.2655/19.5.99		Rs. 9.60
16. Collector, Bhadrak		
Repair of the Chhatabar Balighai road and Bant Mohantypara road damaged due to flood 1997-98 vide No.2671/20.5.99		Rs. 18.60
17. Under Secretary (Special Relief)		
(i) Transportation charges		Rs. 1.80
(ii) Supply of clothing		Rs. 65.00
(iii) Temporary Shelter		Rs. 300.00
(iv) Cost of search & rescue measures (Pay, D.A., HRA, Telephone, RRT, MV, Electricity, other Cont. and other charges)		Rs. 257.64
18. Cost of Search & rescue measures- For purchase of POL for operation of Power Boats vide letter No.3550/SR dt. 13.7.99		
Balasore	0.05	
Bhadrak	0.05	
Cuttack	0.05	
Kondaspur	0.10	
Jajpur	0.05	
Jagatsinghpur	0.05	
Ganjam	0.05	
Koraput	0.05	
Puri	0.05	
Keonjhar	0.05	
Sonepur	0.02	
Sambalpur	0.02	
	0.59	0.59
19. Collector, Cuttack		
Relief & rescue operation in water logged area in Cuttack District vide No.3848/SR, dt. 28.7.99		2.00

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20. Higher Education Department

Immediate repair of damaged
properties of Berhampur University

15.00

21. Collector, Ganjam

Cyclone related contingent Expenditure

10.00

22. F.S. & C.W. Deptt.

(a) Arrangement for POL for
Cyclone relief operation.

5.00

(b) Cost of Rice

450.00

23. Home Department

Civil Defence, & Volunteers

0.83

Total: - 4139.37

FUNDS RELEASED OUT OF 2ND GRANT RECEIVED FROM NFCR
(As on 24.11.99)

(Rs.in lakhs)

1.	Health & Family Welfare Department :		
	Contingencies & POL etc.	-	26.00
2.	House Building Grant	-	7515.00
3.	Agriculture Department:		
	Seeds Subsidy	-	200.00
4.	Works Department :		
	Repair/restoration of PWD Roads	-	100.00
5.	Rural Development Department :		
	Repair/restoration of Rural Roads	-	75.00
6.	Water Resource Department :		
	Emergent repair of Irrigation system	-	200.00
7.	Energy Department :		
	Restoration of power supply	-	500.00
8.	Food Supply & Consumer Welfare Department:		
	Cost of food grains	-	200.00
9.	Ex-gratia to Collectors	-	971.25
10.	Housing & Urban Development Department:		
	Repair of School buildings in Urban areas	-	50.00
11.	School & Mass Education Department :		
	Repair of School buildings	-	<u>50.00</u>
	TOTAL	-	9887.25

FUNDS RELEASED OUR OF 1ST TRANCHE OF GRANT RECEIVED FROM
NFCR (As on 24.11.99)

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(Rs. in lakhs)

1	Food Supplies & Consumers Welfare Department :		
	For cost of food grains	-	800.00
2.	Agriculture Department :		
	Seeds subsidy	-	800.00
3.	Engergy Department :		
	Restoration of Power supply (As loan to GRIDCO)	-	1000.00
4.	Rural Development Department:		
	Repair/restoration of Rural Roads	-	100.00
5.	Works Department :		
	Repair/restoration of PWD Roads/Buildings	-	100.00
6.	Water Resources Department :		
	Emergency Restoration of Irrigation system	-	300.00
7.	Health & Family Welfare Department :		
	Contingencies and POL etc.	-	74.00
8.	H & U.D.Department :		
	Disposal of dead bodies and animal carcasses by scavengers	-	6.00
9.	Home Department		
(i)	Relief and rescue operations by Armed forces	-	10.00
(ii)	Relief operation by Home Deptt.	-	3.00
		13.00	13.00
10.	Fisheries & Animal Resources Dev.Department:		
(i)	Cattle feed	-	100.00
(ii)	Medicine & vaccine	-	20.00
		120.00	120.00
11.	Industries Department :		
	Managing Director, IDCO		30.00

12	Asst. Financial Adviser(Spl. Relief)		
(i)	Temporary Shelter	-	801.00
(ii)	Supply of Clothings	-	200.00
(iii)	Telephone	-	5.00
(iv)	Motor Vehicle	-	2.00
(v)	Air dropping	-	0.60
(vi)	Utensils	-	5.00
13	H.B. Grant Cyclone/Flood	-	3450.00
14	Collector, Balasore		
(i)	Ex-gratia Cyclone	-	2.00
(ii)	Exgratia Flood	-	5.00
(iii)	Transportation charges	-	5.00
(iv)	Disposal of carcasses	-	1.00
(v)	Emergent Relief	-	45.00
15	Collector, Keonjhar		
(i)	Emergent Relief	-	45.00
(ii)	Transportation charges	-	2.00
(iii)	Contingencies	-	1.00
16	Collector, Mayurbhanj		
(i)	Emergent Relief	-	20.00
(ii)	Transportation Charges	-	2.00
(iii)	Contingent Expenditure	-	
	(disposal of carcasses)	-	1.00
17	Collector, Dhenkanal :		
(i)	Transportation Charges	-	1.00
(ii)	Contingent Expenditure	-	
	(disposal carcasses)	-	2.00
(iii)	Emergent Relief	-	10.00
18	Collector, Nayagarh :		
(i)	Transportation Charges	-	0.50
(ii)	Contingent Expenditue	-	
	(disposal of carcasses)	-	0.50
(iii)	Emergent Relief	-	0.84
	Total	-	7950.44