



**GOVERNMENT OF ORISSA**

**ACTIVITIES REPORT  
OF THE  
WORKS DEPARTMENT  
FOR THE YEAR 2007-2008**

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Development and maintenance of an extensive road network is a major pre-requisite on which the pace and pattern of development rests. Road communication is a key element for economic development of Orissa. The focus, therefore, is to improve the living condition of rural people by providing all weather road communication to inaccessible areas and upgrading the existing road network. The development of Agriculture, small scale and cottage industries, extension of public distribution networks, improving access to health care and education, to a large extent, depend upon stable all weather road communication; Above all, good roads improve the accessibility of the rural areas to markets and facilitate better delivery of services. Therefore, the Government strategy in this sector is to provide all weather road linkages to rural settlements.

So far Administrative Unit of Works Department is concerned, there are 5 Chief Engineers, (C.E., DPI & Roads, C.E., Buildings, C.E., NH, CE, World Bank Projects & C.E., R.D. & QP), 7 (R&B) Circles, 3 N.H. Circles, 1 Mechanical Circle and 1 Electrical Circle in charge of Superintending Engineers, who are responsible to the concerned Chief Engineers for the administration and general professional controls of the public works in charge of officers of the Department within their Circles. The Executive Engineers at the Divisional level are the executive units of the Department. There are 36 (R&B) Divisions. 15 N.H. Divisions, 4 GED Divisions, 4 Mechanical Divisions and 2 GPH Divisions in the State. Besides this there are 224 Sub-Divisions in charge of Sub-Divisional Officers in the rank of Assistant Engineer & Asst. Executive Engineers under the control of the Executive Engineers.

The Works Department looks after National Highways, State Highways and District Roads totaling to a length of 18,073.737 km of roads, which is about 7% of the total road length. These carry the bulk of the traffic and are the principal carrier of economic activities. The thrust given to rural connectivity shall bring positive result only when the principal road net works are developed systematically. There has been conscious effort to develop roads of Orissa under various schemes.

### **(i) Category & Road lengths in the State**

#### **(a) Works Department**

(I)	National Highways	-	3595.527	km
(II)	State Highways	-	3886.966	km
(III)	Major District Road	-	4277.195	km
(IV)	Other District Road	-	<u>6314.049</u>	km
	<b>Total</b>	<b>-</b>	<b>18073.737</b>	<b>km</b>

Works Department looks into the following aspects of the road, bridge and building sectors.

- Improvement of roads and construction of bridges.
- Maintenance and repair of State Highways, Major District Roads, Other District Roads and Bridges on these roads.
- Construction, Improvement and maintenance of National Highways and Bridges on it in the State.
- Finalisation of Technical details of bridges.
- Finalisation of Technical details of the Buildings.
- Construction of Public Buildings.
- Maintenance and repair of residential and non-residential Government buildings.

**Repair & Maintenance of Roads & Buildings are taken under Non-Plan.**

**(a) Repair & Maintenance of roads.**

State PWD is maintaining 14478.210 kms of roads under different categories.

The details are shown below:

<b>Category</b>	<b>Length in kms.</b>
(a) State Highway	3886.966 km
(b) Major District Roads	4277.195 km
(c) Other District Roads	6314.049 km
<b>Total</b>	<b>14478.210 km</b>

In the Budget 2007-08 under the Non-Plan head a sum of Rs.6755.00 lakhs (works component) has been provided for repair of the above category of roads, out of which Rs.4672.73 lakhs has been spent by the end of December, 2007.

**TENTH FIVE YEAR PLAN- 2002 TO 2007**

Tenth Five Year Plan period has commenced from the year 2002-2003 and continued till 2006-07. Accordingly, Works Department have formulated its targets for Tenth Five Year Plan for improvement of 1300 kms of road stretches and construction of 106 bridges with financial outlay of Rs.1207.53 Crores. Works Department have improved 2363 kms of road stretches and completed 87 Nos. of Bridges during the period from 2002-03 to 2006-07.

## **ELEVENTH FIVE YEAR PLAN -2007 TO 2012**

Eleventh Five Year Plan period has commenced from the year 2007-08 and will continue till 2011-12. Accordingly, Works Department have formulated its targets for Eleventh Five Year Plan for improvement of 4500 kms of road stretches and construction of 52 bridges with financial outlay of Rs.1945.84 Crores. Under Zero based budgeting procedure, Works Department has planned to take up projects under different schemes on priority basis which would yield quick result to the satisfaction of users as well as to complete more number of major ongoing bridge and road projects.

Sl. No.	Year	Financial Achievement (Rs. In Crores)	Target		Physical Achievement	
			Bridge in nos.	Road in nos.	Bridge completed	Road in kms
01	2007-08 (by end of Dec., 07)	150.81	19	617.09	07	231

The financial and physical achievement made during the 1<sup>st</sup> year of 11<sup>th</sup> Plan period is as follows:-

### **ACHIECVEMENT UNDER DIFFERENT SECTORS / SCHEMES**

#### **NABARD:**

Many Infrastructure Project started earlier were lying incomplete for want of resources. Although there is urgent need of creating adequate employment opportunities in rural areas through Development of Infrastructure, earlier there had been virtually no Institutional arrangements for financing Rural Infrastructure. Against this background Government of India in the year 1995-96 announced the Schemes for setting up of Rural Infrastructure Development Fund (RIDF) to be operationalized by NABARD for financing the on-going as well as new Infrastructure Projects. NABARD Loan Assistance has been a major source of funding of the road and bridge projects for the State. The list of proposal of the projects for NABARD Assistance is placed before the High Power Committee (HPC) constituted under the Chairmanship of D.C.-cum-Additional Chief Secretary, after approval of Government to the projects cleared by High Power Committee, the detailed estimates of the projects are sent to NABARD through Finance Department for sanction. On getting the projects sanctioned by NABARD, the process of implementation of the projects starts after the required formalities are completed. Detailed positions of the Projects executed under this Scheme are given below:-

		Bridge	Road	Total
I	No. of projects sanctioned by NABARD under Trench RIDF-I to XII	132	141	273 (Three road projects proposed to be taken up under World Bank Assistance Scheme, 01 bridge project dropped and 3 bridge projects re-sanctioned under RIDF-XII)
II	No. of projects completed by 2006-07	85	63	148
III	No. of projects sanctioned by NABARD under RIDF XIII during the year 2007-08 by end of January'08.	05	16	21
IV	No. of projects completed during the year 2007-08 by end of December'07.	05	06	11
V	Target for completion during 2008-09	07	20	27

There is a target to complete 20 (twenty) Projects (13 roads + 7 bridges) during the year 2007-08 under NABARD Assistance and by end of December, 2007 eleven projects have been completed.

By end of March 2007 total 963 kms of road have been improved under this scheme. There is a budget proposal for Rs.143.00 Crores during the year 2008-09 in the State Plan Sector.

In this scheme the progress of almost all sanctioned works has been expedited and efforts have been made to take up more & more projects.

### **REVISED LONG TERM ACTION PLAN (RLTAP) FOR KBK DISTRICTS**

In order to boost the socio economic condition of the people of KBK Districts, Government have taken effective steps to provide better connectivity as well as to improve existing roads. Works Department has been entrusted to take up road connectivity programme under RLTAP from the year 2001-02. Most of the roads in KBK Districts pass through extremist prone areas and connect Andhra Pradesh and Chhatishgarh. Due to traffic intensity, continuous heavy down pour and flash floods in Hilly Terrain, the roads in KBK Districts show signs of distress and develop heavy depression as well as number of pot-holes. Some missing links disconnects one place from another. Priority has been given to connect those by constructing bridges on missing links. The details of projects taken up and achievement under this Scheme are given below.

Sl. No.	RLTAP (KBK)	Amount Allocated Rs. Crores	Bridge	Road (in Stretches)
1.	Project taken up with Financial	93.95	33	153

	allocation from 2001-02 to 2007-08			
2	Financial and physical Achievement up to December, 2007	72.92 (Expenditure)	18	150 Nos.
3	Physical Target for 2008-09 (20 Nos. of road projects & 3 Nos. C.D. works proposed for 2008-09)	12.00 (Budget Proposal)	1 3 Nos. C.D. work	23 Nos.

### **CENTRAL ROAD FUND**

Under this Scheme, roads and bridges are improved with funds available from Government of India as Central Grants. Detail of projects sanctioned under this scheme and progress there of are shown below.

<b>Sl. No.</b>	<b>Central Road Fund</b>	<b>Estimated Cost (in Crores)</b>	<b>Bridge (In Nos.)</b>	<b>Road (In Nos.)</b>
1.	Project sanctioned under Central Road Fund from 2001-02 to 2007-08	268.89 (Govt. of India Sanction)	21	121
2	Financial and physical Achievement made up to December, 2007	193.45 (Expenditure)	17	102
3	Physical Target for the 2008-09	58.25 (Budget Proposal)	03	12 Nos.

### **Improvement of Cuttack- Paradeep Corridor (SH-12)**

The improvement of Cuttack- Paradeep Road (SH-12) with 2-lane rigid pavement and paved shoulders for a length of 82 kms. Connecting Cuttack City and Major Port at Paradeep is under Progress. It passes through densely populated Rural areas as well as Urban areas of Cuttack and Jagatsinghpur district. The project cost comes to Rs.224.00 Crores. The work is under progress in two packages i.e. package No.-I- (0/0 to 43/000 km.) with work value of Rs.112.69 Crore & Package No.-II (43/000 km. to 82/000 km.) with work value of Rs.112.11 Crore. MOSRT&H, Government of India have sanctioned Rs.26.46 Crore under Central Road Fund Grant & funds to the extent of Rs.35.00 crores are also arranged from different sources like PPT & OMC. It has also been proposed to provide Rs.50.00 crore for the purpose during 2008-09 under Plan Sector. The project has been targeted for completion by August, 2009.

### **ONE TIME ACA FOR TOURISM IMPORTANCE ROAD**

Orissa is an attractive Trove House of Cultures, Customs and Traditions, languages and literature, Art and Architecture. Orissa truly bears the essence of India. Its ancient grandeur is un-matched. While contemporary scene is encouraging the future holds great promise on several counts. Vigorous pursuit on Tourism activities in the State shall not only

help in economic progress of the State but also provide employment to its youth on sustained basis.

For providing a better connectivity to places of tourist importance / Cultural heritage and to attract the tourists from various of the World, Government have taken conscious steps for improvement and strengthening of the roads connecting such places by providing one time assistance under this scheme.

Government of India have allocated Rs.43.51 Crores in 2004-05 and Rs.18.00 Crores in 2005-06 to take up 8 Nos. of road projects, 2nos of road projects have been completed during 2005-06. Other 6 nos. of road projects spilled over to 2006-07 and completed.

During 2006-07, Rs.32.30 Crores have been allocated by Government of India to take up 8 Nos. projects under this scheme. Out of the above, 45.81 Kms. Road length has been improved by December 2007 and efforts have been made to complete all the above projects during 2007-08. During 2007-08 Planning commission, Government of India have sanctioned 05 Nos. of projects costing Rs.32.00 Crore. Out of which 04 No. of projects are under progress and all the projects are targeted to be completed during 2008-09. in the coming financial year 2008-09 eight projects with estimated cost of Rs.53.00 crore have been proposed under this scheme.

### **RAILWAY OVER BRIDGES**

During the year 2007-08, there is a budget provision of Rs.9.00 crores for construction of 7 Robs. Out of the above PWD portion of 3 ROB's namely (i) Lanjipali of Berhampur, (ii) Punama Gate of Bhubaneswar and (iii) Randia near Baudpur of Bhadrak are nearly completion. ROB at Basanti Colony of Rourkela will be commenced very soon. ROB's at Haladiapadar, Gopalpur of Ganjam & Titlagarh of Bolangir will be taken up during 2008-09.

### **ECONOMIC IMPORTANCE UNDER E&I SCHEME**

Governments of India have sanctioned 6 nos. of Road Projects under the scheme with 50:50 shares of State Govt. and Central Govt. with an estimated cost of rs.315.89 crores.

Out of the above funds, 27.98 km. of road length has been developed till 2006-07 and 31.59 km. of road length has been developed during 2007-08 at a cost of rs.22.64 Crore by end of December, 2007. Steps are being taken to complete other one major project by 2009-10.

### **INTERSTATE CONNECTIVITY UNDER E&I SCHEME**

Govt. of India have sanctioned 6 nos. of Road Projects under the scheme with an estimated cost of Rs.47.63 crores.

Out of funds released by govt. of India so far, 42 km. of road length has been improved up to December'07 at a cost of Rs.16.15 Crore and steps are being taken to complete all the sanctioned projects early.

### **ORISSA STATE ROADS PROJECT (OSRP)**

Government has initially decided to improve 906 km. of busy corridors of the State under Orissa State Roads Projects (OSRP) with World Bank Assistance at an estimated cost of Rs.2121.11 crore i.e. about US\$ 471.35 million assuming 1 US\$ = Rs.45. The Ministry of Finance, Department of Economic Affairs, Government of India was moved to enhance the loan amount of US \$ 250 Million to US \$ 360 Million so as to implement OSRP within a period of 5 years. As the Department of Economic Affairs, Government of India did not concede to enhance the loan amount of US \$ 250 Million to US \$ 360 Million, the World Bank Mission has ultimately agreed to provide loan assistance of the order of US \$ 250 Million with 80:20 counterpart funding i.e. Rs.953.24 crore and Rs.477.95 crore which includes Rs.197.40 crore as Prorata Charges. In view of non-enhancement of loan assistance by Government of India, it has been decided to implement 461 km. of busy corridors out of 906 km. identified under OSRP in the 1<sup>st</sup> phase at an estimated cost of Rs.1431.19 crore. The balance 445 km. roads will be taken in the 2<sup>nd</sup> phase. In the mean while bids have been invited and under finalization for implementation of 204 km. of roads which includes Berhampur- Taptapani (41 km.) Bhawanipatna- Khariar (68 km.) and Chandbali- Bhadrak-Anandpur (95 km.). in addition to this, the World Bank has also agreed to provide necessary assistance for construction of HL Bridge over river Basandhara at Gumuda on Rayagada-Berhampur road. The World Bank Mission has indicated about the finalization of loan negotiation with them after 31<sup>st</sup> march, 2008.

Apart from this, the World Bank has also agreed to provide the required assistance by engaging consultant to take up 3 busy corridors such as Sambalpur-Rourkela, Joda-Bamebari and Koira-Rajamunda comprising 229 km. the PPP Consultant engaged for the purpose has already submitted their initial screening report as per the time frame for various activities.

### **PUBLIC PRIVATE PARTNERSHIP (PPP)**

Works Department has already identified as many as 26 nos. of roads comprising 1143 km. which includes Capital region Ring Road and Bhubaneswar- Paradeep alternate road, the majority of which are carrying mining traffic to various industries and Paradeep Port for improvement to double-lane standard under PPP. As Government fund under plan and non-plan are scarce and there is considerable need to improve the road infrastructure with private capital investment to maintain its edge. Government has taken several initiatives for identifying the busy corridors for improvement under PPP within a definite time frame. It has been also decided to prepare Vision documents for PPP projects and the PPP plan which would be a plan out side the plan so that the development of infrastructure does not starve for funds and fill up the critical gaps in order to cater to the demands of the upcoming industries and mining activities in the State. As road infrastructure development is a key element for over all development of the State, PPP projects will have a very special role to play in the development of the sector in times to come.

### **12<sup>TH</sup> FINANCE COMMISSION GRANT**

Rs.590.00 Crores has been allocated for repair and maintenance of road from 2006-07 to 2009-10 under 12<sup>th</sup> Finance Commission Grant. During the current financial year 2007-08, Rs.147.52 Crores have been provided in the budget for improvement of 179 Nos. of projects and the works have been targeted to be completed by March 2008.

### **ACTIVITIES OF BUILDING SECTOR**

The Works Department is responsible for repair, maintenance and renovation of capital assets in building sector for 40,88,535 Sqm. of plinth area under Non-Residential sector and 37,47,586 Sqm. of plinth area under residential sector. During the year 2007-08, extensive repair to the residential building covering 22,48,552 Sqm. And non-residential buildings covering about 20,44,268 Sqm. of plinth area have been taken up under normal repair grants. The assistance from 12<sup>th</sup> Finance Commission has given a boost to the building infrastructure to cover renovation of 330 nos. different departmental buildings during 2007-08 and 378 nos. of departmental buildings during 2008-09. Repair of 1976 nos. residential buildings have been taken up from critical grant available during the year 2007-08. Under Plan Sector, 857 nos. of residential buildings and 303 nos. of non-residential buildings have been taken up for construction. Similarly, 27 nos. building projects of School & Mass Education Department and H & F.W Department are under construction and some have been completed under different Central Plan Assistance.

For maintenance of Non-Residential Buildings funds to the tune of Rs.38.75 crores under 12<sup>th</sup> F.C.A have been provided during the year 2007-08 for 330 nos. of projects, out of which 115 nos. of projects have been completed & balance works will be completed by March, 2008. The major work of renovation of Rabindra Mandap was included in the programme during the year 2007-2008. Besides there is a programme for Rs.41.75 crores during the year 2008-09 for 378 nos. of projects out of which 28 nos. of projects have already been started.

There was a budget provision of rs.171.94 crores under Non Plan Scheme towards maintenance of different Govt. Non-residential / Residential buildings during 2007-08. Some of the important works during 2007-08 are as follows:-

- i) There was target of Special Repair to 3000 Residential buildings at New Capital at an estimated cost of rs.16.00 Crores.
- ii) Provision of one time repair to the ITI & Polytechnic of the entire State at estimated cost of Rs.10.30 crore.
- iii) There was a provision of infrastructure development of hospital and dispensary buildings of the entire State at an estimated cost of Rs.13.50 crore.
- iv) There is also provision of construction of Girl's Hostel at Revenshaw College, Cuttack, Bhadrak College, Bhadrak and R.D. Women's College, Bhubaneswar including construction of Niranjana Women's College at Aska at an estimated cost of Rs.6.20 crores. Out of which Girl's Hostel at Revenshaw College could not be taken up due to non finalization of plan.
- v) Improvement of staff quarters and office building of Commercial Tax Organization and Treasury Organization at different places of the State.

For construction of Buildings of other Departments namely Health and Family Welfare, Finance, Revenue, Sports & Culture etc. in the State Plan during the current financial year 2007-08, there was a Budget Provision of Rs.25.91 crores. This year, it is proposed to complete the following works.

1. Medical Buildings
  - I. Institution of cardiology at S.C.B., Cuttack.
  - II. New Medicine Ward at S.C.B., Cuttack.
  - III. Microbiology Ward at S.C.B., Cuttack.
  - IV. Orthopedic Ward at S.C.B., Cuttack.
  - V. Orthopedic Ward at M.K.C.G., Berhampur.
  - VI. Medicine Ward at M.K.C.G., Berhampur.
  - VII. New Pediatric Ward at M.K.C.G., Berhampur.
  - VIII. Female Medicine Ward at VSS, Burla.
  - IX. Orthopedic Ward at VSS, Burla.
  - X. Pediatric Ward at VSS, Burla.
2. Construction of sports complex and Gymnasium at different places of the state.
3. Construction of Collect orate Buildings in different districts of the State.
4. Construction and completion of the residential staff quarters of G.A. Department at Cuttack at an estimated cost of Rs.3.00 crore.

There is also a Budget Provision of Rs.12.19 Crores during the year 2007-2008 for construction of Administrative/ Institution Building, Hostel buildings of D.I.E.T. at 13 places of the State.

#### **ACTIVITIES OF ARCHITECTURAL WING**

The office is working as an independent heads of Department under the administrative control of Works Department and looks after the architectural matters of the State of Orissa. Besides the above, this office also prepares architectural project drawings for Works department and also for other Departments. During the year 2006-2007, 217 nos. of project drawings and during 2007-2008, 189 nos. of project drawings i.e. total of 406 nos. drawings have been prepared and furnished to concerned (R & B) Division of necessary execution. Out of 406 nos., the following are the important and prestigious buildings such as Auditorium of Raj Bhawan, Bhubaneswar, O.L.A. Guest House at Bhubaneswar, O.L.A. Guest House at Puri, Bungalow for Hon'ble Chief Justice, Orissa High Court, Extension of High Court Building (Multistoryed) Cuttack, three medical Colleges, renovation work of Toshali Plaza at Bhubaneswar, Open Air Theatre at Sangeet Mohavidyalaya, Bhubaneswar, Multi-Storied residential apartment for G.A. Department at Cuttack.

#### **ACTIVITIES RELATING TO NATIONAL HOGHWAY WING**

16 Nos. of national Highways measuring of **3595.527 Km.** in length have traversed through the State of Orissa. Out of 3595.527 km. of total length of National Highways in Orissa, 3077.227 km. is under the control of NH wing of State PWD, 518.3 km. with National Highway Authority of India for improvement under Golden Quadrilateral and port connectivity Programme.

Cost of improvement and maintenance of N.H.s are borne by Government of India, Ministry of Shipping, Road Transport and Highways, New Delhi.

### **1. Works in progress as on 01.04.2007**

72 nos. of road works spilled over to 2007-08 with the value of works of Rs.246.00 Crore for execution with the following breakup.

- a. Widening to two lane of 133 km.
- b. Strengthening of 20.35 km.
- c. Improvement of riding quality of 172 km.
- d. 08 nos. of bridge work [(i) Bisoi on NH-6, (ii) Anladhar on NH-215, (iii) Kasia on NH-215 (iv) MBs on NH-217 (v) Laxmijore on NH-201, (vi) Madhiapalli on NH-201 (vii) Thianallha on NH-6 and (viii) 3 nos. of MB on NH-23]
- e. 02 Nos. of Feasibility and DPR consultancy services. [(i) Nawarangpur By-pass on NH-201, (ii) Construction of 7 By-pass on different NHs]

### **2. Achievement during 2007-08 (Dec, 07)**

22 Nos. of road works with 125.6 km. and 3 bridges have been completed as on Dec, 07.

### **3. Plan Programme during 2007-08**

- a. Different projects with an out lay of Rs.249 Crore have been identified under following programme for sanction under Annual Plan of 2007-08
- b. Estimates amounting to Rs.221.64 crore have been forwarded to Ministry for sanction by the state PWD (as on 31.12.2007) which inter-alia includes the followings:
  - Widening to two lane- 102 k.m (9.0 km. sanctioned for Rs.13.20 Cr.)
  - Improvement of riding quality- 97.62 km. (97.62 km. sanctioned for 39.05 Crs.)
  - Strengthening of existing two lane – 22.6 km. (12.0 km. sanctioned for 5.62 Cr.)

➤ Bridge-03 Nos. (GAD and Estimate under preparation)

#### 4. Improvement of NH-215

Special attention has been given for improvement of affected stretches of NH-215 covering 117.5 km. at a cost of Rs.105.00 crores under Annual Plan 2007-08.

#### 5. Four laning of National Highways.

- (i) Consultants have been engaged for conducting feasibility study and preparation of Detailed Project Report for four laning of NH 23 from Biramitrapur to Rajamunda. NH 215 shall be connected with neighboring state Jharkhand with four lane carriage way.
- (ii) There is a proposal for conducting feasibility study and preparation of Detailed Project Report for four laning of NH 42 from Cuttack to Angul under Annual Plan of 2007-08. Survey work shall be taken up after finalization of tender.

#### 6. Allotment and expenditure during 2007-08 (Rs. In Crore) as on 31.12.2007

Head of Expenditure	Allotment released	Expenditure Incurred	Length Completed in Km.	
NH (Original)	131.0081	98.50	Widening	30.0 Km.
			I.R.Q.P	95.60 Km.
Periodical Renewal	22.76	12.76		
Ordinary Repair	13.65	12.40	Repair works done in all N.Hs. as and where required	
Flood Damage Repair	6.50	6.50	Immediate restoration works completed in the damaged stretches.	
Special Repair	1.10	0.46		