



WORKS DEPARTMENT
GOVERNMENT OF ODISHA
ACTIVITY REPORT 2015-16



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ACTIVITY REPORT

OF WORKS DEPARTMENT FOR THE YEAR 2015-16

INTRODUCTION:

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 Odisha. 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. 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.

ORGANISATION:

Works Department is headed by the Engineer-in-Chief-cum-Secretary to Government. Besides there are 2 Additional Secretary, 1 F.A.-cum-Additional Secretary, 1 Joint Secretary, 1 Deputy Secretary, 4 Under Secretary and 1 A.F.A.-cum-Under Secretary. The field formation of Works Department has one Engineer-In-Chief (Civil), 7 Chief Engineers, [C.E., (DPI & Roads), CE, (Buildings), C.E., (NH), CE, (World Bank Project), CE, (Directorate of Designs), CE, (RD & QP) and Chief Engineer-cum-Chief Manager, (Technical), State Procurement Cell , 1 Joint Secretary & 1 F.A. in the O/O the E.I.C.(Civil) and 1 Chief (Architect) at Heads of Department level. There are 12 (R&B) Circles, 3 N.H. Circles, 1 Mechanical Circle, 1 Electrical Circle, 1 P.H. Circle & 1 RD&QP Circle in charge of Superintending Engineers, who are responsible to the concerned Chief Engineers for the administration and general professional control of the public works of the Department within their Circles. The Executive Engineers at the Divisional level are the executive heads of the Administrative Units of the Department. There are 49 (R & B) Divisions, 06 (RD & QP) Divisions. 16 N.H. Divisions, 4 General Electrical Divisions, 3 Mechanical Divisions and 2 GPH Divisions in the State. Also, there are 237 Sub-Divisions under the control of Sub-Divisional Officers in the rank of Deputy Executive Engineer / Assistant Executive Engineer who assist concerned Executive Engineers in discharging their duties.

The Works Department looks after National Highways, State Highways & District Roads totaling to a length of **23381.187km** 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 Odisha under

various schemes.

Category & Road lengths in the State:

a) Works Department

I.	National Highways	–	4510.712 Km
II.	State Highways	–	4175.901 Km
III.	Major District Road	–	2696.711 Km
IV.	Other District Road	–	<u>11997.863 Km</u>
	Total	–	23381.187 Km

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.

b) Repair and Maintenance of roads.

State PWD (R&B) wing is maintaining **18870.475 Km** of roads under different categories. The details are shown below :

	Category	Length in Km.
a)	State Highway	4175.901 Km
b)	Major District Roads	2696.711 Km
c)	Other District Roads	<u>11997.863 Km</u>
	Total	18870.475 Km

ELEVENTH FIVE YEAR PLAN – 2007 TO 2012.

Eleventh Five Year Plan period has commenced from the year 2007-08 and continued till 2011-12. Accordingly, Works Department had formulated its targets for Eleventh Five Year Plan for improvement of 4500 Km of road and construction of 52 bridges with financial outlay of Rs.1945.84 Crores. Works Department has improved 3354.00 km length of road in different stretches, completed 64 nos. of Bridges and 3 no of ROBs under different plan scheme during the period from 2007-08 to 2011-12 under eleventh five year plan period.

TWELFTH FIVE YEAR PLAN – 2012 TO 2017.

Twelfth five year plan period has commenced from the year 2012-13 and will continue up to 2016-17. Accordingly works Department have formulated its targets for twelfth five year plan for improvement of 5587.00 km length of road, construction of 75 no of bridges and 10 nos. of ROB/Fly over with financial outlay of Rs.10277.80Crore. 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.

The financial and physical achievement made during the year 2012-13, 2013-14, 2014-15 & up to December, 2015 of 2015-16 is as follows :-

Sl. No	Year	Financial Achievement (Rs. In Crores)	Physical Target		Physical Achievement	
			Bridge in nos.	Improvement of road in km	No. of Bridge completed	Improvement of road in km
01	2012-13	981.38	16	631.000	25	666.289
02	2013-14	1426.57	15	650.000	15	814.389
03	2014-15	2333.49	15	833.80	23	1313.119
04	2015-16 (Up to December, 2015)	2437.28	34	950.00	17	1020.580



HIGHLIGHTS OF ACHIEVEMENT UNDER DIFFERENT SECTORS / SCHEMES DURING 2015-16

1. NABARD ASSISTED PROJECTS:

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 position of the Projects executed under this Scheme are given below:-



	RIDF	Bridge in No.	Road in No.	Total in No.
I.	No. of projects taken up under Trench RIDF- I to XX (by end of 2014-15) by NABARD Assistance	184	367	551
II	No. of projects completed by 2014-15.	135	249	384
III	No. of projects taken up under NABARD under RIDF XXI during the year 2015-16 by end of December, 2015	02	18	20
IV	No. of projects completed during the year 2015-16 out of ongoing projects by end of December, 2015	06	15	21
V	Target for completion during 2016-17	12	21	33

By end of December, 2015 total 4231.000 km of road length has been improved under this scheme. There is a budget proposal for Rs.600.00 Crore during the year 2016-17 in RIDF scheme under NABARD assistance with target for completion of 12 nos. bridges and improvement of 400.000km length of road.

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



H.L. Bridge on Ramial Right Approach

2. REVISED LONG TERM ACTION PLAN (RLTAP) FOR KBK DISTRICTS:

In order to boost the socio economic condition of 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 Telengana, Andhra Pradesh and Chhatishgarh. Due to traffic intensity, continuous heavy down pour and flash floods in Hilly Terrain, the roads in the 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 (Rs. in Crores)	Bridge (in nos.)	Road (in km)
1	Projects taken up with Financial allocation from 2001-02 to 2014-15	258.24	36	785.09
2	Financial and physical Achievement up to 2014-15	245.08	28	752.15
3	Projects taken up during 2015-16	30.00	Nil	16.73
4	Financial & physical Target for 2015-16	30.00	2	40.00
5	Financial & physical achievement made during 2015-16 by the end of December,2015	15.35	1	19.94
6	Financial & physical target for the year 2016-17 (Scheme delinked by Central Government)	Nil	Nil	Nil



3. **CENTRAL ROAD FUND SCHEME:**

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.

Sl. No.	Central Road Fund	Estimated Cost (Rs. in Crores)	Bridge (In Nos.)	Road (in Nos. / length in Km)
1	Project sanctioned under Central Road Fund from 2001-02 to 2014-15	994.76 (Govt. of India Sanction)	25	162
2	Financial and Physical Achievement made up to 2014-15	775.62 (Expenditure)	21	150
3	Projects sanctioned during 2015-16	98.65 (Govt. of India Sanction)	12	
4	Financial & physical Target for 2015-16	108.08 (Budget provision)		(Improvement of 40Km of road length)
5	Financial & physical achievement made during 2015-16 by the end of December,2015	70.87 (Expenditure)		(Improvement of 46.86 of road length with completion of 5 road projects)
6	Financial & physical target for the year 2016-17	550.00 (Budget provision)		Improvement of balance 10.00Km of ongoing road length, completion of 2 nos. bridges and to take up new projects



4. ONE TIME ACA FOR TOURIST IMPORTANCE ROAD:

Odisha is an attractive Trove House of Cultures, Customs and Traditions, languages and literature, Art and Architecture. Odisha 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 parts 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.

By the end of the 2014-15, Planning Commission, Government of India have allocated Rs.777.53Crore for 193 No. of Projects. Out of which 166 No. of projects have been completed with an expenditure of Rs.656.95Crore by the end of March, 2015.

During 2015-16, Niti Ayog, Government of India has delinked One Time ACA Scheme. The spill over projects are executed with funds provided by State Government out of State Plan(Others). During 2015-16, improvement of 41.72Km of road length has been completed with completion of 14 Nos. of spill over projects with an expenditure of Rs.47.55 Crore out of State Fund by end of December, 2015.

No Budget proposal has been proposed under the scheme for 2016-17 & funds for completion of spill over projects will be met out of State Plan (Others).



Blliguda Muniguda Road (ACA)

5. RAILWAY OVER BRIDGES:

Works Department is providing funds in Budget out of normal State Plan for construction of ROBs. 6(Six) nos. of ROBs namely (i) ROB at Punama Gate of Bhubaneswar, (ii) ROB at Lanjipali of Berhampur (iii) ROB at Randia near Baudpur of Bhadrak,(iv) ROB at Basanti Colony of Rourkela, (v) ROB at Haladiapadar in Ganjam District and (vi) ROB at Malatipatpur in Puri District have been completed by the end of 2014-15. 17 (Seventeen) nos. of ROBs i.e, (1) ROB at Managovindapur in Jajpur District, (2) ROB at Simulia in Dhenkanal District, (3) ROB between Dhenkanal-Sadashibapur Station near Ranaposhi in Dhenkanal District, (4)ROB between Budhapanka-Talcher Railway station in Angul District,(5) ROB at Saheed Nagar, Bhubaneswar,(6) ROB at Mancheswar Level Crossing Bhubaneswar, (7) ROB near Lingraj Temple, Bhubaneswar,(8) ROB between Soro-Markana, Balasore ,(9)ROB at Tamulia, Balasore, (10) ROB at Balugaon ,Khurda,(11) ROB at Kudiary, Jatani, Khurda (12)ROB at L.C. No306 between Berhampur-Gopalpur Railway Station, Ganjam (13) ROB at L.C. No309 between Lanjipalii & Engineering School, Ganjam (14)ROB at L.C. No-312 between Good Shed and Gosani Nuagaon Railway Station, Ganjam, (15) ROB at Titilagarh-Muribahal, Bolangir, (16) ROB at LC No.211 in between Rourkella-Panposh Station & (17) ROB at LC No.212 in between Rourkella- Panposh in Sundargarh District are in progress. There is further proposal for taking up 18 nos. of new ROBs at different places during 2016-17.



ROB AT MALATIPATAPUR, PURI

6. Fly Overs

One No. Fly Over Bridge at Pipili on Khurda- Jatani-Pipili – Nimapara road has been completed during 2015-16. The Fly over at Laxmi Talkies Square, Sambalpur has been started. There is proposal to take up 4 nos. of Fly Over Bridges in Bhubaneswar out of which 3Nos. have been proposed to be taken up under Annuity+ Hybrid Model. The proposed Fly Overs in Bhubaneswar are 1) at Damana Square, 2) at Kalinga Hospital Square, 3) at Rabi Talkies Square- Kalpana & Mausima Square & 4) at Housing Board Square.

7. Ring Road and By Passes:

There is proposal for taking up of 4nos. of Ring Road & 4Nos.By Passes such as 1) Capital Region Ring Road, Bhubaneswar,2) Sambalpur Ring Road,3) Berhampur Ring Road, 4) Bolangir Ring Road & By Passes at 1) Manamunda in the District of Boudh 2) Bawanipatna By Pass in Kalahandi district 3) Mangalpur By Pass in Jajpur District 4) Jajpur By Pass in Jajpur District during 2016-17.

8. ECONOMIC IMPORTANCE UNDER CENTRALLY SPONSORED SCHEME:

Government of India have sanctioned **10** nos. of Road Projects under the scheme with 50:50 Share of State Govt. and Central Govt. with an estimated cost of Rs.375.25 Crore till end of March, 2014. Out of above 10 projects, 8 no. of projects have been completed. By the end of 2014-15, 191.68 km road length has been completed with an expenditure of Rs.427.97 crore. During 2015-16, there was Budget Provision of Rs.30.00Crore for completion of 2nos. of ongoing projects. The final Budget for 2015-16 is now Rs.18.80Crore. During 2015-16, 2Nos. of ongoing projects have been completed with improvement of 6.31Km of road length with an expenditure of Rs.12.80 Crore by end of December, 2015.



Fly over BRIDGE AT PIPILI, PURI

During the year 2015-16, 1No. of road project proposal covering a length of 29.00Km with estimated cost of Rs.38.97 Crore has been submitted to MORT&H, Government of India for sanction during 2015-16.

During 2016-17, Budget proposal has not been proposed as the payments for projects sanctioned under the Scheme will be made through DPP Mode by MORT&H, Government of India.

9. INTERSTATE CONNECTIVITY UNDER CENTRAL PLAN SCHEME:

Government of India have sanctioned **9** nos. of Road Projects under this scheme with an estimated cost of Rs.**164.65** Crore with 100% Central Share till March, 2015. Out of which, 7 nos. of projects have been completed with an expenditure of Rs.57.94 Crore with improvement of 113.390km against the Central Assistance received of Rs.55.35 Crore by the end of March, 2015.

The work for other 2Nos. of project "Improvement to Vizag-Jeypore road (SH) from 173/0Km to 198/0km" in Koraput District sanctioned with a cost of Rs.55.01Crore for improvement of 25.00Km of road length sanctioned during March,2014 & "Widening & strengthening of Chipat Junction to Baripada- Baghara road(ODR) from Km.14/000 to Km.39/000 " in Mayurbhanj District sanctioned with a cost of Rs.52.43 Crore for improvement of 25.00Km of road length sanctioned during March,2015 have been started after finalization of tender by MORT&H, Government of India.

During 2015-16, estimate for 1 no. of road project for improvement of 17.70Km of road length with a cost of Rs.25.00Crore in Sundargarh District has been submitted to MORT&H, Government of India for sanction.

During 2016-17, Budget proposal has not been proposed as the payments for projects sanctioned under the Scheme will be made through DPP Mode by MORT&H, Government of India.



**Junagarh-Desigaon-Kalampur road
under Interstate of Economic Impotence Scheme**

10. ROAD DEVELOPMENT PROGRAMME (STATE PLAN OTHERS):

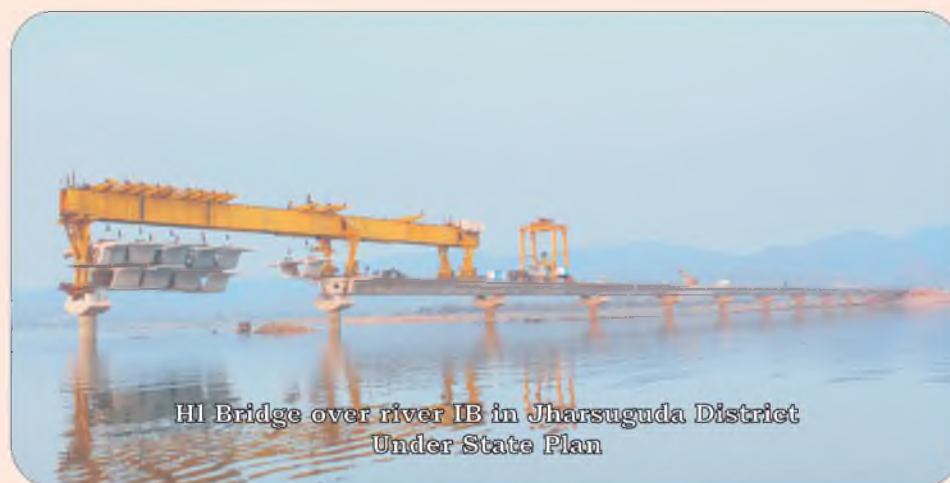
State Government provides funds for construction of ROBs, Fly overs, Under pass, Ring road & Bye Passes, Bridges, widening of Capital roads, 2-laning of State Highways, Construction of Biju Expressway, improvement PWD roads in Urban areas, improvement of identified Core Road Network roads, improvement of important roads, improvement of roads & bridges under Biju KBK in KBK Districts, provision for land acquisition, Quality Control & Planning Research, Incentive to Contractors, Payment of Decretal dues, DPR & Capacity buildings etc. under State Plan (others). Against budget provision of Rs.2350.20 Crore during 2015-16 under this scheme, Rs.1484.11 Crore has been spent by the end of December, 2015 with construction of 9 nos. of bridges, 1 No. Fly Over and 11 nos of minor bridges with improvement of 712.15 km of road length against the target of completion of 20 nos. of bridges & improvement of 400.00 Km of road length.

There is budget Provision of Rs.1495.00 Crore during the year 2016-17 with a target to complete 20 no. bridges, improvement of 800.000 km length of road with widening to two-lane of single lane/intermediate State Highways, 4-laning of Biju Express way and improvement PWD roads in Urban areas, Improvement of roads in KBK Districts under Biju KBK, Construction of ROBs, Fly Overs, Under Pass & Ring Road & Bye Passes.

(i) Core Road Net Work:

31 no. of roads covering 1610.250 km have been declared as Core Road Network (CRN) vide Works Department, Government of Odisha Notification No.2669 dt.27.02.2009. An amount of Rs.30.00 Crore Budget provision was made during the year 2015-16. By the end of December, 2015, expenditure of Rs.21.66 Crore has been made with completion of 5 nos. of small bridges & improvement & strengthening of 18.480 Km of road length along with improvement of riding quality of 15.61 Km of road length.

During 2016-17, Rs.30.00 Crore has been provided under Core Road Net work for improvement of roads & construction of bridges out of State Plan (others).



(ii) State Highway Development Programme under State Plan (SHDP):

During the year 2013-14, Government had introduced a new scheme “**State Highways Development Project (SHDP)**” for development of State Highways in the State to Double Lane Standard. Under this new Scheme, all the State Highways of the State will be widened & improved to Double Lane Standard within 12th Five Year Plan Period. The projects costing more than Rs.50.00Crore under the scheme are to be executed in EPC contract & projects costing up to Rs.50.00Crore are to be executed in P1 Contract. Accordingly, State Cabinet have approved for development of 2158.26Km of State Highways to 2-Lane Standard with a Cost of Rs.3000.00Crore. By the end of 2014-15, action was taken for 2-Lanning work for 1601.24Km of State Highways with project Cost of Rs.2704.59Crore. Out of which, 112.73Km of road length widened to 2-Lane standard with an expenditure of Rs.293.66Crore by end of 2014-15.

During 2015-16, there is Budget Provision of Rs941.20 Crore under SHDP Scheme. By the end of December,2015, action has been taken for 2-Lanning of additional length of 138.12Km with a project cost of Rs.241.17Crore. Up to December,2015, cumulative action has been taken for 2-lanning of 1739.36Km of State Highways with a project cost of Rs.2945.76Crore.By the end of December,2015 during 2015-16, expenditure to the tune of Rs.580.00Crore has been made with completion of 2-lanning for 315.39Km of road length.

A sum of Rs.500.00Crore has been provided for Annual Plan, 2016-17 for ongoing works & to take up balance length of State Highways.



(iii) Improvement of PWD roads in Urban Areas :

During the year 2013-14, Government had introduced another new scheme **“Improvement of PWD roads in Urban Areas”** for development of urban roads taken over from H&UD Department in next 2 Years. The Scheme has been approved for a project outlay of Rs.250.00Crore for improvement of 400.00 km ULB roads within the period spanning 3 years (2013-14 to 2015-16). There was Budget provision of Rs.75.00Crore during the year 2013-14 for the purpose. During 2013-14 by the end of March, 2014, 149 roads under 3 Municipal Corporations, 19 Municipalities & 18 NACs comprising of 231.13Km of road length with a cost of Rs.153.21Crore has been taken up. By the end of March, 2014, 65 nos. of roads have been completed with improvement of 98.00km of road length with an expenditure of Rs.83.50 Crore. During 2014-15, there was budget provision of Rs.70.87Crore for ongoing works & to take up new PWD roads in Urban Areas. During 2014-15,121.44 Km of new ULB roads has been taken up for improvement. By the end December,2015, cumulative length of 352.57Km of road length has been taken up under 5 Municipal Corporations, 22 Municipalities & 22 NACs. During 2014-15, a length of 136.39Km of road length has been completed with an expenditure of Rs.70.87Crore.

During 2015-16, there is Budget provision of Rs.120.00Crore for improvement of ongoing ULB roads. By end of December, 2015, 65.88Km of ULB roads have been improved with an expenditure of Rs.74.55Crore.

A sum of Rs.40.00 Crore has been provided for Annual Plan, 2016-17 for ongoing works & to take up new ULB roads with revision of Scheme outlay.



(iv) Construction of North-South Corridor(Biju Expressway):

Government of Odisha has contemplated to develop a four-lane road of length 650.64 Km namely "North-South Expressway (BIJU EXPRESSWAY)" connecting Jagdalpur to Rourkela through western Odisha and KBK districts of the State. Out of total length of 650.64Kms of this Expressway 183.20Km of NHs are being improved by NHAI/MORT&H, 160Km of SH-10 (i.e. Sambalpur-Rourkella road) is under development through PPP mode by the State Govt. The remaining 307.44Km of the Expressway shall be taken up under Biju Expressway Scheme & the total project Cost has been pegged at Rs.3630.00Crore which includes Land Acquisition Cost. Depending on the estimated cost of various stretches, the works will be taken up either through EPC or through P-1 mode of contract. For better monitoring of the project, Authority's Engineer will be engaged for EPC Contracts and Supervision Consultant for P-1 Contract. The roads will be maintained by Works Department after expiry of defect liability period. State Cabinet has approved the Construction of Biju Expressway Scheme during 2015-16. The Project Corridor is targeted for completion by 2020.

During 2015-16, there is budget proposal of Rs.50.00Crore for taking up projects & Acquisition of Land. By the end of December, 2015, a length of 56.25Km of Sohella-Nuapada road with a project cost of Rs.163.95Crore has been taken up. Expenditure to the tune of Rs.7.43 Crore has been made by end of December, 2015.

There is Budget provision of Rs.150.00Crore during 2016-17 for ongoing projects & to take up new projects under the Corridor.

(v) Capital Road Development Programme:

During 2015-16, there is budget provision of Rs.26.00 Crore for development of roads in Capital City under this scheme. Road Projects costing Rs.47.19 Crore has been taken up for development of 9.79Km of roads in 8 stretches in Capital City. By the end of December, 2015, 3.110Km of road length has been completed with an expenditure of Rs.13.99Crore.

There is budget provision of Rs.20.00Crore under Capital Road Development Programme (CRDP) for ongoing projects & to take up development of new roads in Capital City during the year 2016-17.

(vi) Biju KBK Scheme:

During 2015-16, Niti Ayog, Government of India has delinked the SCA for KBK Districts. As such, State Government has augmented the provision under Biju KBK Plan in order to protect the funding for the KBK region. Accordingly, State Government have provided Rs.30.00Crore during 2015-16 **under Biju KBK** to complete the ongoing projects taken up by Works Department. During 2015-16, an expenditure of Rs.6.99 Crore has been made by the end of December, 2015.

During 2016-17, there is budget proposal for Rs.30.00 Crore under **Biju KBK** to complete the spillover projects taken up under SCA for KBK Districts & to take up new projects.



11. PPP Projects:

Government of Odisha has long recognized the need to develop high quality road infrastructure through Public Private Partnership (PPP) mode. The State PPP policy frame work encourages PPP in upgrading, expanding and developing road infrastructure in the state. Works department in the past has initiated feasibility assessment of some major road projects for implementation in PPP mode. Some of them are under implementation at present and others are in the preparatory stage. Currently, one of the lifeline road project of Western Odisha, namely four laning work of Sambalpur - Rourkela section of SH-10, covering 167 Km length, which is a major part of the "Biju Expressway "is under implementation thorough PPP mode by the PPP Developer L&T IDPL at a Total Project Cost (TPC) of Rs 1292.56 Crore. The construction work for this prestigious project which had commenced from July 2014 is scheduled to be completed by June 2017, after which the developer L&T IDPL shall operate and maintain the road for next 19 years. This project has been approved by the Ministry of Finance, Government of India under VGF scheme (Viability Gap Funding) wherein Government of India shall provide VGF grant of Rs.258.51 Crore during the construction stage. The balance amount of VGF amounting to Rs.206.79 Crore shall be provided by the Government of Odisha during the operation stage.



Sambalpur Rourkela Road Under PPP

Similarly, the department had earlier completed the project preparation of another important connectivity namely Capital Region Ring Road (CRRR), which is a proposed bypass road to the existing NH-5 so as to bypass primarily the Kolkatta & Chennai bound traffic plying on NH-5 from entering the city of Cuttack and Bhubaneswar. The estimated civil construction cost for this four lane bypass project of CRRR shall be about Rs 954.90 Crore and Total Project Cost (TPC) under PPP mode of implementation shall be Rs 1193.627 Crore. In addition to the above, the cost for land acquisition, utility shifting, tree cutting and other environmental mitigation measures shall be about Rs 560 Crore. It has been agreed in principle that CRRR project shall be implemented by Government of India and State Government shall facilitate all logistical supports which includes acquisition of Land.

In addition to above major road project, Works Department has recently initiated various processes including project identification, viability assessment, preliminary clearances etc for implementation of about 40 (forty) projects under various financial model of PPP structuring considering the state budgetary constraints and need for sustainable growth of road infrastructure. A snapshot of prospective PPP projects as proposed for implementation during the coming financial years is presented below.



Sambalpur Rourkela Road Under PPP

Rs in Crore

Sl. No	PPP Model	Length of road/ Nos. of structures proposed	Approximate total project cost with O&M expenses	Upfront payment during construction in next 2years	Approximate Annuity payment per year	Gross payment at the end of 15 years
1	BOT(Toll)	30.00Km	395.00	19.00(GOI) 3.80(GOO)	Nil	22.80
2	BOT (Annuity + Toll)	593.00Km	1827.00	Nil	154.82	2322.90
3	BOT (Annuity-Hybrid)	673.00Km	1214.00	297.00	138.98	2381.70
4	OMT-Roads (Major Corridor)	212.00Km	78.50	Nil	Nil	Nil
5	Fly Overs (Annuity-Hybrid)	3Nos.	316.00	126.40	28.20	549.33
6	ROB (Annuity-Hybrid)	12Nos.	480.00	192.00	42.84	834.60
	Total		4310.50	619.20	364.84	6111.33



Use of Flyash in Sambalpur Rourkela Road Under PPP

It may be seen from above that two numbers of road infrastructure projects with approximate project cost of Rs 395 Crore has been proposed under BOT(Toll) model, which is generally applicable for high traffic road similar to the one being currently implemented for Sambalpur Rourkela project by L&T IDPL with VGF support from Government of India. Similarly 11 number of road projects covering a length of 593 km with total project cost of Rs 1827 Crore and annuity payment of Rs 154.76 Crore for fifteen years has been proposed for implementation under BOT(Toll + Annuity) model which is applicable for moderate traffic road, where investment by the developer shall be repaid partly from toll revenue and balance through annuity payment spread over the concession period. Hybrid Annuity model with 40% upfront payment during construction period and balance 60% through annuity payment spread over fifteen years

concession period has been proposed for low traffic road corridor, selected city flyovers and Railway Over Bridge (ROB) which do not qualify for Railway's 50:50 Cost Sharing. Ten numbers of road projects covering a length of 673 Km with project cost of Rs 1213.6 Crore and annuity payment of Rs 138.98 crore, three city flyover projects costing Rs 316 Crore with annuity payment of Rs 28.20 Crore and 12 numbers of ROB's costing Rs 480 Crore with annuity payment of Rs 60.19 Crore shall be implemented in the coming years with above option. Finally the Operation-Maintenance-Toll (OMT) model of PPP has been planned for the road corridor where improvement work is complete from other source of funding like RIDF, State Plan etc and further scope of improvement is not required OR limited. In this case the investment to be made by the developer for operation & maintenance of the project under OMT model, limited to 5 - 7 years of concession only, shall be generated mostly from the toll revenue.

From the preliminary assessment, it is estimated that about Rs 4310 Crore of assets shall be created under the above four PPP model of implementation requiring about Rs 310crore of budgetary support from the State Government during the first two years of construction and Rs 364.84 Crore of annuity payment for the subsequent fifteen years period.

During 2015-16, expenditure to the tune of Rs.55.48Crore has been incurred for Land Acquisition, R&R, Shifting of utilities & other expenses out of Budget provision of Rs.100.00Crore by the end of December, 2015.

There is budget proposal of Rs.45.00 Crore for 2016-17 for PPP projects.



12. IMPORTANT ROAD PROJECTS UNDER IMPLEMENTATION

a) Naranpur – Pandapada – Harichandanpur – Brahmanipal – Duburi Road:

Naranapur – Pandapada – Harichandanpur – Brahmanipal – Duburi Road with a length of 92.12km is being implemented under Economic Importance (E & I) Scheme at a sanctioned cost of Rs.302.09 Crore with 50:50 cost share basis. The revised estimated cost of the project is Rs.413.75Crore.By end of December,2015,the project has been completed with total expenditure of Rs.375.49 Crore.

b) Vijayawada – Ranchi Corridor:

The total length of the Corridor passing through Odisha is 1202.01Km out of which 239.30Km of road length is National Highways & Balance 962.71Km are State Roads. In the mean time, out of 962.71Km of state roads under V.R.Corridor, 916.30Km has been declared as National Highways leaving balance length of 46.41Km(Tatakaposhi to Deogarh). Original NH of 239.30Km of roads are of 2-Lane standard. Out of 962.71 State roads under Vijayawada – Ranchi Corridor, work has been taken for improvement of all 962.71km of road at sanctioned cost of Rs.2140.82 Crore under different schemes by end of December, 2015. Out of 962.71Km, National Highways wing of Odisha has started the execution for a length of 186.75Km in 3 stretches as declared as National Highways. The state PWD is executing balance length of 775.96Km.Out of 775.96Km of road executed by State PWD, 635.48Km length of road has been completed with an expenditure of Rs.1128.38 Crore by end of December, 2015. It is targeted to complete the entire length of 962.71Km of V.R. Corridor in Odisha by 2019.



Aska-Bhanjanagar road under V.R. Corridor

c) LEFT WING EXTREMISM SCHEME:

Government of India have sanctioned 14 nos. of projects for improvement of 614.82km of road length including 1 no. of Bridge over river Gurupriya with an estimated cost of Rs.948.56 crore in Left Wing Extremism affected districts of Sambalpur, Rayagada, Gajapati and Malkangiri under L.W.E Scheme, out of which, 10nos. of Projects(1 in Sambalpur , 2 in Gajapati District, 2 in Rayagada District & 5nos. in Malkangiri District) have been completed and 4 no. of projects in Malkangiri district are in progress. By the end of December, 2015, 530.88Km has been completed with expenditure of Rs.803.10 Crore.

The construction of Bridge over Gurupriya in EPC Mode has been started by State Government through EPC Contract with revised project cost of Rs.187.25 Crore & the work is in progress. The expenditure to the tune of Rs.39.73Crore has been incurred for Gurupriya Bridge out of State Fund. Government of India has been requested to provide full funds of Rs.187.25Crore for the Gurupriya Bridge as the original sanctioned cost of the project was Rs.45.00Crore under LWE Scheme(RRP-I).

Government of India have been requested for sanction further 24nos. of road projects for a length of 375.00Km for improvement of road connectivity in Naxal Affected districts of the State with a cost of Rs.657.10Crore under RRP-II.



13. EXTERNAL AIDED PROJECT:

(a) Odisha State Road Project (OSRP):

Tripartite Loan Agreement has been signed with World Bank for the Odisha State Roads Project (OSRP) in January, 2009 for an amount of US\$ 240 million. The loan was restructured in June, 2015 to US\$ 163 million. It has been agreed to take up 303 km of busy corridors of the State identified under OSRP in the 1st phase at an estimated cost of Rs.1389.08 Crore. The loan has funding ratio of 80 : 20 by the World Bank and the State Government i.e. Rs.943.81 Crore and Rs.445.27 Crore. The period of implementation of this projects is extended upto 30.06.2016. The loan has been effective since April 15, 2009. All contracts were drawn for implementation of 303 km length of road as below.

- Berhampur – Taptapani (41 km)
- Bhawanipatna – Khariar (68 km)
- Chandabali – Bhadrak – Anandapur (88 km)
- Jagatpur – Chandabali road (106 km)

Total 110.000 km length of road has been improved by the end of March 2015 & 26.000km length of road has been improved during the year 2015-16 upto December, 2015 under World Bank Assistance projects.

There is a Budget proposal of Rs.175.00 Crore with target to improve 100.00 km length of road during 2016-17.



(b) New Initiatives:
Institutional Strengthening Action Plan (ISAP)

The State Govt. has approved the Institutional Strengthening Action Plan (ISAP) for implementation during the period 2008-2018, in order to augment its capacity in management of road sector and manage them effectively and efficiently for sustainable future growth. The ISAP activities comprise mainly three activities such as:

- Road Sector Institutional Development (RSID),
- IT-ICT-MIS architecture,
- Odisha Road Asset Management.

Odisha Road Sector Institutional Development (RSID)

Under this assignment, few important initiatives have been taken

- Odisha Draft Road Sector Policy has been prepared and submitted which is being reviewed by Government and shared with other Stakeholder Departments for their review and suggestions. The Road Policy will be notified in FY 2016-17 once get concurrence by Government.



- The Draft Road Safety Policy 2015 has been framed by the Commerce & Transport Department, Govt. of Odisha in the light of recommendations in the Draft Road Safety Action Plan has been already approved by the Government and notified in Odisha Gazettee for implementation. Consequent upon the approval of Road Safety Policy of Odisha-2015, Works Department has constituted Road Safety Cell and identified Black spots on NHs, SHs & MDRs. Road Safety Cell in association with HRD & Training Cell of the Works Department has organised an in-house Training Programme on "Road Safety Audit" in June 2015 for capacity building in road safety matters to 76 OWD Engineers by CRRI, New Delhi. Appropriate actions to remove black-spots and necessary corrective counter measures through engineering interventions shall be taken in FY 2016-17 and onwards. A dedicated Road Safety Fund on the basis of recommendation of "Committee on Road Safety" appointed by SCI has been resolved at Government Level to curb road accidents by way of enforcements, Awareness Generation, establishing help lines at accident prone stretches & procurement of accessories/ equipment for which detail plans and expenditure shall be prepared by the Transport Commissioner. Odisha outdoor Advertisement & Hoarding Policy-2015 prepared by Road Safety Cell, Works Department has been approved and notified in January 2016 to monitor the policy implementation by both Works/ H&UD Department.



- OPWD Code has been bifurcated into OPWD Code and OPWD Manual with comprehensive revisions and addition of new chapters in alignment with National Trend. The revised OPWD Code and the new OPWD Manual are under review of the Codes Revision Committee of Government This revised Code is likely to be approved and implemented during the Financial Year 2016-17. Draft Procurement Manuals, Standard Bidding Documents for Goods, Works and Services have been submitted and are being under review at Finance Department and likely to be adopted in FY 2016-17.

- Odisha Road Network Master Planning based on GIS-Based Road Network Model will be adopted this year. This is a dynamic model, will act as a tool for long term investment planning in Road Sector. A Report on Completion of Inaugural Master Planning for main road network of Odisha has been prepared. Based on the recommendations, actions has been initiated.

- Draft HRD Policy of Works Department along with TNA based Training Plan has been finalised and has been approved. The HRD & Training Policy of Works Department, Odisha-2015 has been notified in Odisha Gazette. HRD & Training Cell of Works Department has been established and functional in the O/o the E.I.C. (Civil), Odisha, Nirman Soudha from FY 2015-16. For implementation of HRD & Training Policy of Works Department, an Expert has been engaged and necessary Induction Trainings to new recruitee AEEs and JEs, more in-service Trainings are planned to be organised in the FY 2016-17 to enhance the capacity of Engineers of Works Department.



H.L Bridge over river Tel on Bhawanipatna Khariar Road Under EAP

Odisha Roads Asset Management System (ORAMS)

The goal of the assignment is to ensure that OWD is able to prioritize works on technical parameters for the road network using computerized AMS operating on a GIS Platform and to rationalize decision making in Planning, Programming, Funding, procurement and in the allocation of resources in road sector to make best use of public funds in preserving the road network at an acceptable level of service. Maintenance requirement of the OWD road network for the year 2015-16 is under assessment partly by ORAMS.

IT-ICT-MIS Strategy for OWD

The aim of the task is to help OWD to develop comprehensive and viable strategy, and phase roll-out plans for implementation of IT, ICT and MIS activities related to design, development and execution of various activities and business processes of the Works Department to enhance the capacity of the Department. The Strategy report contains the basic architecture describing relationship between HR, Works, Assets and Contractor's Database and proposes enhancement to the existing systems as well as integration with new application areas. A draft IT – ICT-MIS Strategy for the Works Department, compatible with e-Governance Scheme of Government of Odisha, has been prepared and the implementations of the recommendations are under active consideration of the Government. This Report is likely to be approved and implemented in Year 2016-17.

E- Nirman:

Presently, the Works under Works Department are being monitored through e- Nirman and is operational from Division level to EIC- cum- Secretary. Physical progress authenticated by photographs, financial progress, target reviews and short fall analysis, are being monitored every month.

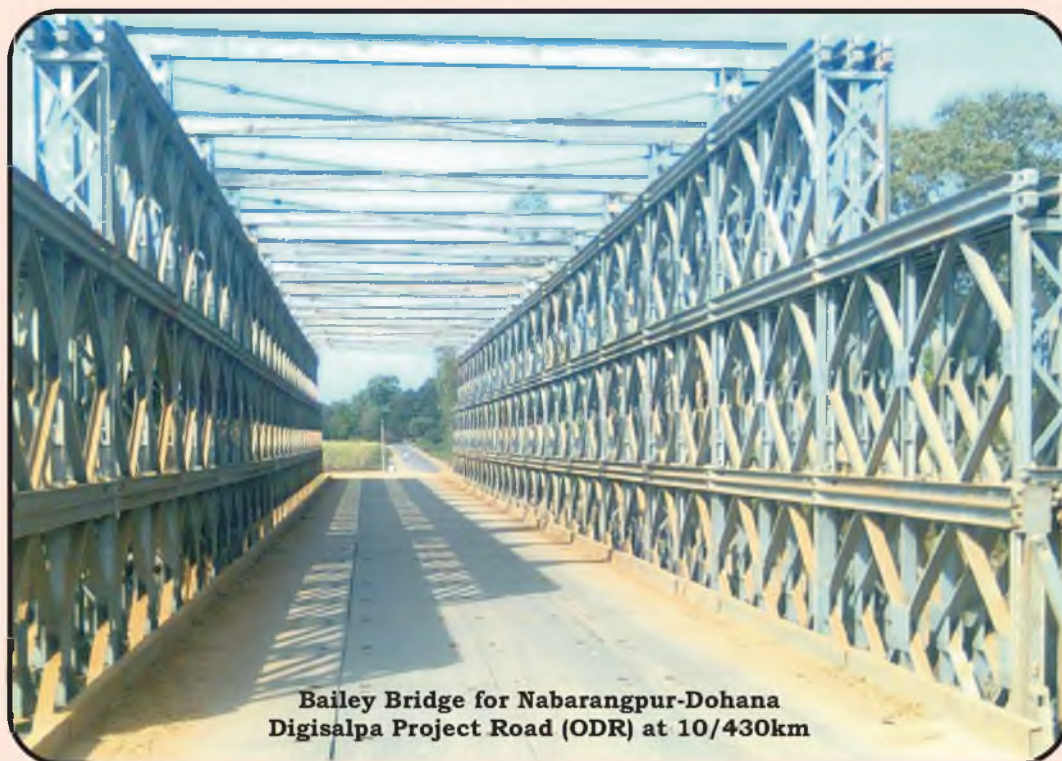


14. Bailey Type Unit Bridges:

Agreement has been signed during 2013-14 with Bridge & Roof Company (India) Limited, Kolkata, A Government of India Enterprises for construction of 11(Eleven) nos. of Bailey Type Unit Bridges in KBK Districts such as 5nos.in Kalahandi District ,3nos. in Koraput District & 3nos. in Nawarangpur District. These Bailey Type Unit Bridges have been taken up so as to provide all weather connectivity in rural areas. By end of December,2015, 2nos. of Bailey Type Unit Bridges in Nawarangpur and District have been completed.

15. Activities on maintenance of roads:

Maintenance of extensive road networks is a major prerequisite in the context of upkeepment of Capital assets. Due to rising trend in traffic, it has also been imperative to conceive a well-formatted maintenance schedule for better maintenance of roads with the available resources. Besides rising trend of traffic, other factors like flood/cyclone and other natural calamities also play a role in damaging the roads every year. Accordingly keeping the Budget Provision in view, Annual Maintenance plan for the year 2015-16 was prepared and targets and achievements are indicated below. It has been proposed for provision of Rs.774.4285 Crores for maintenance of road assets during financial year 2016-17.



Target and Achievement of 2015-16 by the end of December,2015

SI No	Category of road	Nature of Repair	Target for 2015-16	Achievement for the year 2015-16 (By end of December,2015)
1.	State Highways			
		i) Special Repair	165.77 Km	52.000 km
		ii) Periodical Renewal	145.95 Km	68.000 km
		iii) Pothole Repair/ Routine maintenance	1312.44 Km	488.000 km
		iv) Repair to CD Work	CD-138Nos., Bridges-16Nos. New CD-28Nos.	30Nos.
2.	MDR/ODR			
		i) Improvement	384.59 km	147.000 km
		ii) Special Repair	849.36 km	303.000 km
		iii) Periodical Renewal	970.93 km	525.000 km
		iv) Pothole Repair / Routine maintenance	6408.37 km	3052.000 km
		v) Repair to CD / small bridges	CD-854Nos., Bridges-57Nos. New CD-320Nos.	295 Nos.



Road from Nilakantha College of library to SwastiPlaza under NonPlan

ACTIVITIES ON BUILDING WORKS

One of the prime agendas of the State to improve the building infrastructures for opening the vistas of all round development activities is to undertake new building construction / maintaining the existing one located in the Urban Area of the State and Works Department have a key role to play on this aspect. With the rapid addition of new building infrastructures across the various Government Departments added with backlogs of fairly good in number poses a huge challenge to accomplish the project in a scheduled time line.

For this, constant evolution of comprehensive plan programme is an important feature to ensure smooth flow of funds to meet the systematic planned expenditure without any impediment in the pace of progress. A sneak preview of our activity verticals and funding for the year 2015-16 speaks the entire of spectrum of all round development.

ACTIVITIES ON BUILDING WORKS FOR 2015-16

Year	Scheme	Budget Allocation (As on 31-12-2015) Rs in Lakh	Expenditure (Up to 31-12-2015) Rs in Lakh	Total Projects taken up (As on 31-12-2015)	Completed during the Year (Up to 31-12-2015)
(1)	(2)	(3)	(4)	(5)	(6)
2015-16	SP (Works Deptt.)	1702.58	1156.37	79	35
	SP (Other Deptt.)	88815.31	43182.41	793	201
	NP	49866.44	23184.50	9218	2304
	13 th FCA (D. No-07)	50.00		1	1
	Total	140434.33	67523.28	10091	2541



Important milestones are being set up as regards building constructions and shoulders the responsibilities of creating infrastructures specifically in the areas of

- NAXAL infested districts (covering 17 districts)
- In the backward areas covered under TASP, SCCP, KBK districts.
- ITI's, Polytechnics, Engineering College/ Schools to produce skilled personnel abating the unemployment issues thereby generating self employment opportunities and also keeping abreast up to the exact need of the growing industries.
- Paralamaharaj Engineering College at Berhampur and Govt. College of Engineering at Bhawanipatna are the landmark projects taken up for completion of additional infrastructure.
- Infrastructures on Health sector is a prime focused area, where this Dept. takes over most of the Hospitals, Dispensaries, CHC, PHC, UGPHC's scattered throughout the state. The pioneering Medical Institutions such as SCB MCH at Cuttack, VSS MCH at Burla and MKCG MCH at Berhampur, also coming together with Homoeopathy & Ayurvedic Colleges at different locations throughout the state have also been constructed / taken care of by this Dept.
- Educational Institutions such as Schools & Colleges, 20,000 nos. accommodation is proposed and necessary hostels, 8nos. Model Degree Colleges taken up in Higher Education Department.
- Sports Stadia & hostels, sports complexes
- Buildings of Art & Cultural Centers
- Court complexes, residential buildings of Judiciary staff.
- Infrastructures required for the new districts such as Collectorates, residential accommodation of Collectors & staffs etc.



➤ **Important Building Projects.**

Department	Projects
Revenue	Collectorate buildings at Paralakhemundi, Jajpur, Boudh, First floor Ganjam Collectorate, Circuit House at Gopalpur, Phulbani, Boudh.
H & F.W.	Construction of New O&G ward building at Berhampur.
	Pediatric Building of VSS MCH, Burla (6th floor to 8th floor).
	Extension of Medical ward & Cabin of VSS MCH, Burla (2nd floor to 5th floor).
	Construction of Central ICU & Central O.T. VSS MCH, Burla (2nd floor to 5th floor).
	23 nos. Drug Inspector Office in the State.
	Infrastructure Development in three Government Medical Colleges on turnkey basis in SCB MCH, Cuttack, VSS MCH, Burla, MKCG MCH, Berhampur.
	Construction of 5 nos. of D.H.H. at Baragarh, Jharsuguda, Dhenkanal, Nuapada & Malkanagiri and 5 nos. of new Medical Colleges at Balasore, Puri, Baripada, Bolangir & Koraput.
5 nos. New Model Colleges, P.G. Institute at Capital Hospital, Bhubaneswar, New Sishu Bhawan Building at Cuttack.	
Home	District Court Building at 9 new Districts.
Higher Education	Construction of 60 nos. Boy's and Girl's Hostel Building at 43 nos. of Government Colleges in the State.
School & Mass Education	Second Sainik School at Sambalpur, DIET & DRC Buildings in the State.
H & U.D.	Construction of Bus-Terminal at Chhatrapur.
	Construction of Bus-Terminal at Gopalpur.
	Construction of Bus-Terminal at Haladia Padar, Berhampur.
Works	Construction of Training Institute of Works Department at Satyanagar, Bhubaneswar, Completion of Circle, Division offices & staff qtrs.
Commerce & Transport (Transport)	Construction of New Railway Building at Bhubaneswar.
P & C	Construction of Parisankhyan Bhawan (G+4th Floor) in H.O.D. Building Campus, Unit-V, Bhubaneswar.
G.A.	Construction of Highrise Multistoried Office Building in Unit-V, Bhubaneswar.

The statistics of the recent years say that the plinth area of the Capital Building assets covering the entire State as on 2014-15 is 8759738 sqm. (both Res. & Non-res) and undergo a substantial increase in the subsequent year i.e. 2015-16 totaling to 9197725 sqm. (both Res. & Non-res). The increase as observed is around 5% every year. Looking at the current trend growth in the plinth area it could be said that Works Department would be handling a huge no of buildings having plinth area 9657611 sqm. (both Res. & Non-Res.) as projected for the year 2016-17. This includes the new constructions of upcoming projects programmed for the year 2016-17 as well as up keeping the existing infrastructures. This involves meticulous planning, prioritization, innovative designs and implementation, of course coupled with a pre-thought for post implementation activities to have a holistic approach and accomplishment of project within the scheduled time.



ACTIVITY REPORT OF NATIONAL HIGHWAYS ORGANISATION
FOR THE YEAR 2015-16

Organization: 22 Nos. of National Highways measuring of 4510.712 km in length traversed through the state of Odisha. Out of 4510.712 km of total length of National Highways in Odisha, 3048.386 km is under the control of NH wing of State PWD, 1462.326 km have been transferred to National Highways Authority of India.

Present lane configuration of NHs is given below

- (a) Single Lane: 41.080 km.
- (b) Intermediate Lane : 48.858 km
- (c) Double Lane : 2935.527 km (Length includes work completed and in progress)
- (d) Four Lane : 20.400 km
- (e) Multi Lane : 2.521 km

(89.93 km length of NHs left to be improved to two lane standard)



1. FINANCIAL ACHIEVEMENT DURING 2015-16 (as on end of Dec-15)

Head of account	Allocation Rs in crore	Utilization Rs in crore
NH Original works	250.00	170.27
Periodical Renewal works	28.17	26.06
Flood Damage repair	4.03	4.03
Ordinary Repair	20.93	20.00
Special Repair (State)	41.56	20.00
Total	344.69	240.36

2. PHYSICAL ACHIEVEMENT DURING 2015-16 (as on end of Dec, 15)

Widening to two Lane in km	51.8
Periodical Renewal /Improvement of riding quality in km	60
Bridge works in Nos.	2
Special Repair in Km	72.53



3. IMPROVEMENT OF NH UNDER EXTRA BUDGETORY SUPPORT : Improvement 320 km length of single/ intermediate/Double lane NHs has been taken up for improvement to two lane with paved shoulder under NHIP and NHDP. Present position of the works is given below.

Sl. No.	Programme	Old NH	New NH	Corridor	Length in kms	Estimated Cost Rs in Cr	Present status
1.	NHIIP	200	49 53	Bhojpur to Chhatabar	61	185.48	Work in progress
2.	NHIIP	201	26	Nabrangpur to Koksara	55	197.35	Work in progress
3.	NHIIP	217	353 59	Nuaparha to Bango Munda	68	148.67	Work in progress
4	NHDP	200	49	Kanaktora to Jharsuguda	68	319.80	Work in progress
5	NHDP	23	149	Palhara to Pitri	68	342.05	Work in Progress
6	LWE	-	326	Koraput-Laxmipur-Rayagada	71	222.79	Work in progress
7	LWE	-	326	Jeypore-Malkanagiri-Motu	86	268.79	Work in Progress
				Total	477	1684.93	



4. Provision of funds for improvement of NHs by State Government: As there is a wide gap between requirement and allocation of funds for "Maintenance and Repair" of NHs in Odisha, Government of Odisha has provided Rs 41.56 crore under "Special Repair head" during 2015-16 for improvement of badly damaged stretches in order to keep the NH in trafficable conditions .

5. Construction of BY pass and BY Pass cum ROB near congested towns/ Level crossing: - Proposal for construction of BY pass for the following towns has been proposed and Detailed Project Report has been finalized.

- (a) BY Pass near Koraput on NH 26
- (b) By Pass near Borigumma on NH 26
- (c) By Pass Jeypur on NH 26.
- (d) BY Pass cum ROB near Berhampur on NH 59
- (e) By Pass cum ROB near Bolangir on NH 57.
- (f) By Pass cum ROB near Titilagarh on NH 59.
- (g) BY Pass cum ROB near Belpahar on NH 49
- (h) BY Pass near Nabarangpour on NH 26

- Construction of Belpahar By-Pass is in progress under EPC mode.
- Pre-construction activities for all other 7 projects are in progress.

There is proposal for conducting feasibility study for By-Pass near Jharsuguda, Kotpad, Boudh and Bhawanipatna under Annual Plan of 2015-16. Estimates for engagement of consultant are with Ministry for sanction.



6. **Replacement of level-crossings on NHs with ROBs** : There is proposal for construction of ROBs in lieu of existing level crossings near the following places by GOI. DPR are with Ministry for sanction.

- (i) Khariar Road on NH 353
- (ii) Kesinga on NH 26.
- (iii) Tikira on NH 516.
- (iv) Arjipalli on NH 516

7. **Declaration of new National Highways for Odisha:-** Due to constant endeavor of State Government for improvement of communication system in remote, inaccessible, tourist potential and economic growth centers, Government of India has in-principle approved declaration of the following states roads as NHs in Odisha subject to outcome of DPR. DPR is being prepared by IAHE.

1.	Palasa-Paralakhemundi-Ramanguda-Bisamkatak-Muniguda-Bhabanipatana-Karaiar-Bangomunda-Patnagarh-Padmapur-Chhatishgarh Border	400 Km
2.	Naranpur (Keonjhar)- Kaliahata-Kankadahada-Kamakhyanagar	100 Km
3.	Kendrapada-Chandabali-Dhamara-Bhadrak	110 Km
4.	Badakera (Angul)-Hindol-Ganja-Daspalla-Bhanjanagar	120 Km
5.	Jankia-Chandpur on NH 316	40 Km
6.	Balangir-Patnagarh-Harishankar-Nursinghnath-Paikamal-Nuaparha	130 Km
	Total	900 Km



Jamsola-Keonjhar section of NH - 49

ACTIVITY REPORT-2015-16 OF ARCHITECT WING

Office of the Chief Architect 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 Odisha. Besides above, this office prepares architectural drawings and design of various building projects related to the development schemes being implemented by various Department of Government, PSU, Autonomous bodies and Semi Government organization and also assists executing agencies in implementing the building projects by providing relevant architectural details and planning guidelines for smooth execution of the projects. During the financial year 2015-16 up to January' 2016, 163 no architectural drawings for 38 building projects have been prepared and supplied to the concerned (R&B) Divisions for necessary execution. List of such building projects are mentioned below for reference.

TOTAL PROJECT 38 NO UP TO JANUARY 2016

- 1- Proposed Stadium at Jharsuguda.
- 2- Proposed construction of G+1 storied building between Odisha High Court & Advocate General's Office.
- 3- Proposed 207 seated boys hostel building for ITT at Choudwar, Cuttack.
- 4- Construction of new districts headquarters hospital at Bargarh.
- 5- Construction of new districts headquarters hospital at Malkanagiri.
- 6- Proposed JMFC Court building at Aul.
- 7- Proposed District headquarters hospital at Nuapada.
- 8- Proposed District Audit Office LFA at Angul.
- 9- Proposed extension building for O&G Department & Surgery Department in SCB Medical College, Cuttack.
- 10- Proposed Academic cum Workshop building for ITI Krushnaprasad.



- 11- Proposed new examination building within CHSE premises at Bhubaneswar.
- 12- Proposed Circuit house at Bargarh.
- 13- Proposed Model College building plan at Nayagarh.
- 14- Proposed Court & Office building of Grama Nayalaya at Rajnagar.
- 15- Proposed 200 seated ladies hostel in the premises of SCS College at Puri.
- 16- Proposed ANM Training Centre at Kamakshyanagar, Dhenkanal.
- 17- Proposed Abhishek cum Banquet Hall of Rajbhawan, Bhubaneswar.
- 18- Proposed three storied building for RPRC at Bhubaneswar.
- 19- Opening ATM counter of United Bank of India at HOD building premises, Bhubaneswar.
- 20- Proposed 200 seated ladies hostel for Autonomous College, Dhenkanal.
- 21- Proposed 100 seated gent's hostel for Autonomous College, Dhenkanal.
- 22- Proposed Infirmery building for Second Sainik School at Sambalpur.
- 23- Proposed gents & ladies hostel for Kalinga Stadium at Bhubaneswar.
- 24- Proposed 100 seated boys hostel building for DIET at Jagatsinghpur.
- 25- Proposed staff quarters for Gramya Nyayalaya at Rajnagar.
- 26- Proposed Ravenshaw Junior College at Cuttack.



- 27- Addition, Alteration & renovation of +2 block of Kamala Neheru Women's College at Bhubaneswar.
- 28- Proposed Sub-Collector Office DRDA Office & Zilla Parisad Bhawan at Sonapur, Dist-Subarnapur.
- 29- Proposed interior arrangement of CMGI by GA Department near Sishu Bhawan, Bhubaneswar.
- 30- Proposed plan of main gate for Panchayat College at Bargarh.
- 31- Proposed Gallery for BJB College, Bhubaneswar.
- 32- Proposed Model Degree College building at Deogarh.
- 33- Proposed double storied building for Courts guest house at Bhubaneswar.
- 34- Construction of second floor of multistoried building of Vigilance Division, Bhubaneswar.
- 35- Proposed Guest house building for second Sainik School at Sambalpur.
- 36- Proposed gate design for Governor House at Bhubaneswar.
- 37- Proposed part site plan of BJB College, Bhubaneswar (lay out plan)
- 38- Proposed Auditorium at second Sainik School at Sambalpur.





Govt. ITI Rayagada



WIDENING TO 2 LANE AND IMV IN KM 0/000 TO 102/900 OF PARALAKHEMUNDI - R.UDAYAGIRI-MOHANA ROAD(SH-34) UNDER LWE SCHEME

at 28th Km



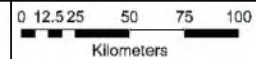
Koraput-Laxmipur-Rayagada-Gunupur Road Under sarca



GOPALPUR BUS STAND



**ROAD NETWORK OF WORKS DEPARTMENT,
GOVERNMENT OF ODISHA**



Legend	
Roads	
Expressway	—<=3.66m
National Highway (NH)	—>3.66 - 6.99m
State Highway (SH)	—>7m
Major District Road (MDR)	—
Other District Road (ODR)	—
New ODR	—
Vijaywada Ranchi Corridor	—
Biju Corridor	—
District Headquarters	•
Other towns	•
River	—