



**WORKS DEPARTMENT
GOVERNMENT OF ODISHA**

ANNUAL ACTIVITY REPORT 2017-18





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ACTIVITY REPORT

OF WORKS DEPARTMENT FOR THE YEAR 2017-18

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. 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.

ORGANISATION:

Works Department is headed by the Engineer-in-Chief-cum-Secretary to Government. Besides there are 2 Additional Secretary, 1 F.A.-cum-Special 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 , 2 Joint Secretary, 1 Deputy Secretary, 1 DFO & 3 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, 4 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 26568.448Km of roads. 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	–	4855.325 Km
II.	State Highways	–	4137.530 Km
III.	Major District Road	–	2815.936 Km
IV.	Other District Road	–	14759.657 Km
	Total	–	26568.448 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 21713.123 Km of roads under different categories.

The details are shown below :

	Category	Length in Km.
a)	State Highway	4137.530 Km
b)	Major District Roads	2815.936 Km
c)	Other District Roads	14759.567 Km
	Total	21713.123 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 have improved 3354.00 km length of road in different stretches, completed 64 no 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 continued 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.10277.80 Crore. During Twelfth Five Year Plan Works Department have completed 05 nos. of ROB, 03 Nos. Fly Over Bridge, 143 No. of Bridges and improvement of 6281.000km length of road in different stretches.

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 2017-18 up to December, 2017 is as follows:

Sl. No.	Year	Financial Achievement (Rs. In Crores)	Physical Target		Physical Achievement	
			Bridges (In Nos.)	Improvement of road (In Km.)	Bridges completed (In Nos.)	Improvement of road (In Km.)
01	2017 – 18 (up to December, 2017)	2030.26	40	1310.000	26	904.670



HIGHLIGHTS OF ACHIEVEMENT UNDER DIFFERENT SECTORS / SCHEMES DURING 2017 – 18

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 XXII (by end of 2016-17) by NABARD Assistance	204	414	618
II	No. of projects completed by 2016-17.	164	346	510
III	No. of projects taken up under NABARD under RIDF XXIII during the year 2017-18 by end of December, 2017	01	02	03
IV	No. of projects completed during the year 2017-18 out of ongoing projects by end of December, 2017	03	19	22
V	Target for completion during 2018-19	05	20	25

During 2017-18, there is Budget provision of Rs.600.00Crore with a target for completion of 05 Nos. of Bridges & improvement of 300.00Km of road length. During 2017-18, by end of December, 2017, 03 Nos. Bridges& improvement of 162.000Km of road length has been completed with an expenditure of 402.24 Crore. Cumulatively, by end of December, 2017, 5370.000 km of road length has been improved under this scheme.

There is a budget proposal of Rs.400.00 Crore during the year 2018 – 19 under the scheme with a target for completion of 05 nos. bridges and improvement of 200.000km 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.

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 2016-17	279.35	36	844.14
2	Financial and physical Achievement up to 2016-17	266.19	29	773.98
3	Projects taken up with allocation during 2017-18	78.89	02	93.34
4	Financial & physical Target for 2017-18	78.89	02	50.00
5	Financial & physical achievement made during 2017-18 by the end of December, 2017	31.08	01	25.03
6	Financial & physical target for the year 2018-19	30.00	02	50.00

During 2017-18, by end of December, 2017, works for 02 Nos. of Bridge projects and improvement of 93.340 Km with a cost of Rs.100.26 Crore have been taken up.



3. CENTRAL ROAD FUND SCHEME(CRF):

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.

During 2017-18, by end of December, 2017, works for 3Nos. of Bridges & 16Nos. of road projects for improvement of 235.67Km with a cost of Rs.525.63Crore has been taken up for the projects sanctioned by MORT&H, Government of India during end of March,2017.

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 2016-17	2177.15 (Govt. of India Sanction)	50	190
2	Financial and Physical Achievement made up to 2016-17	1061.08 (Expenditure)	25	162
3	Projects sanctioned during 2017-18 by end of December, 2017	Nil (Govt. of India Sanction)	Nil	Nil
4	Financial & physical Target for 2017-18	505.00 (Budget provision)	5	(Improvement of 30Km of road length)
5	Financial & physical achievement made by during 2017-18 by the end of December, 2017	154.91 (Expenditure)	4	(Improvement of 51.210km of road length)
6	Financial & physical target for the year 2018-19	400.00 (Budget proposal)	8	Completion improvement of 75.000Km of road length



Khalikote - Boirani- Aska - Lipadar - Belaguntha Road Under (CRF)

4. ECONOMIC IMPORTANCE UNDER CENTRALLY SPONSORED SCHEME(EI):

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. All 10 no. of projects have been completed by the end of 2015-16, 197.99 km road length has been completed with an expenditure of Rs.446.77 crore.

The road project "Improvement to Dhenkanal-Kamakhyanagar road (MDR-19) from Km. 0/0 to Km.29/0" in Dhenkanal District covering a length of 29.00Km with estimated cost of Rs.30.94Crore sanctioned by MORT&H, Government of India is in progress. By end of December, 2017 during 2017-18, 7.000km road length of this project has been completed. No Budget provision in the State Budget is being made under the scheme as the payment is being made through DPP Mode by MORT&H, Government of India with 100% Central Share for the sanctioned projects from 2015-16.

During 2017-18, Project proposals for 2 nos. of road projects covering a length 44.77Km with a cost of Rs.132.82 Crore have been submitted to MORT&H, Government of India for sanction.



Dhenkanal - Kamakhyanagar Road Under EI Scheme

5. INTERSTATE CONNECTIVITY UNDER CENTRAL PLAN SCHEME(ISC):

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 9 projects, 7 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.



Vizag - Jeypore Road Under ISC Scheme

Out of the rest 2 nos. of projects, 1 project i.e. "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 2013-14 has been completed by the end of December,2017 & other project i.e "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.52.43Crore for improvement of 25.00Km of road length sanctioned during 2014-15 is in progress. Another project i.e. "Widening & Strengthening of Kukurbhuka-Laxmiposh-Bihar-Boarder road(MDR-28) from Km.0/0 to Km.17/700" in

Sundargarh District sanctioned with a cost of Rs.21.57Crore for improvement of 17.70Km of road length sanctioned during 2015-16 is in progress. During 2017-18 by end of December 2017, 20.700km road length has been completed of these three nos. of projects. The ongoing 2 nos. of projects is targeted for completion by end of March,2018.

No Budget provision is being made in the State Budget under the scheme as the payments are being made through DPP Mode by MORT&H, Government of India with 100% Central Share for the sanctioned projects from 2015-16.

During 2017-18, Project proposals for 2 nos. of road projects covering a length 50.26Km with a cost of Rs.148.55 Crore have been submitted to MORT&H, Government of India for sanction.

6. ROAD RE-CONSTRUCTION IN LEFT WING EXTREMISM AFFECTED AREAS (RCPLWE)

Government of India (Ministry of Rural Development) have approved 29 nos. of road projects for improvement of road connectivity in Naxal Affected Districts of Malkangiri & Koraput under the scheme. The sanction amount for 29 no. of projects is 350.52 Crore covering a total length of 388.790km. These projects will be executed on 60:40 (Central Government / State Government) Share basis following the PMGSY (RCPLWE) Guidelines. The roads shall be developed to 5.50m width. There is Budget provision of Rs.40.00 Crore during 2018-19. Tenders for 25 road projects have been invited & other 4 nos. will be invited during this financial year,2017-18. It is planned to complete the roads by December,2019. Three tire quality assurance system shall be followed in execution of the works.

7. ROAD DEVELOPMENT PROGRAMME (STATE PLAN NORMAL):

State Government provides funds for construction of ROBs, Fly overs, Under pass, Ring road & Bye Passes, Bridges, 2-lanning of State Highways , Construction of Biju Expressway, widening of Capital roads, improvement Urban roads, improvement of identified Core Road Network roads, improvement of important roads, improvement of roads & bridges under Biju KBK in KBK Districts, completion of projects sanctioned under One Time A.C.A. provision for land acquisition, Quality Control & Planning Research, Incentive to Contractors , Payment of Decretal dues, DPR& Capacity buildings, Information, Education & Communication Activities etc. under Sate Plan (others).

During the year 2016-17, there was budget provision of Rs.1901.18Crore for construction of ROBs, Fly over's, Under pass, Ring road & Bye Passes, Bridges, widening of Capital roads, 2-lanning 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 Yojana in KBK Districts, Building works, Special repair to NHs, provision for land acquisition, Quality Control & Planning Research, Incentive to Contractors, Payment of Decretal dues, DPR& Capacity buildings etc. under Sate Plan (others) with a target for completion of 22Nos. of Bridges, 2Nos. ROB, 4Nos. small bridges & improvement of 860.00Km of road length. By the end of March, 2017 during 2016-17, expenditure of Rs.1896.18 Crore (99.74%) has been made with completion of 32Nos. of Bridges, 1No.ROB, 7Nos. small bridges & improvement of 923.53Km of road length. During 2017-18, there is budget provision of Rs.1874.00Crore with a target for completion of 25Nos. of Bridges, 3Nos. of ROBs & improvement of 830.00Km of road length & to take up new projects. During 2017-18, by the end of December, 2017, 17Nos. of Bridges, 1No. ROB & improvement of 612.65Km of road length have been completed with an expenditure of Rs.1305.65Crore.

During the year 2018-19, there is a budget proposal of Rs.1831.17 Crore for completion of 25Nos. of Bridges, 5 Nos. of ROBs, & improvement of 810.00Km of road length & to take up new Projects for filling up critical gaps.



(I) RAILWAY OVER BRIDGES:

Works Department is providing funds in Budget out of normal State Plan for construction of ROB's. 8 (Eight) nos. of ROB's 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 (vi) ROB at Malatipatpur in Puri District (vii) ROB at Simulia in Dhenkanal District & (viii) ROB at Mancheswar Level Crossing, Bhubaneswar have been completed by the end of 2016-17.

During 2017-18, by the end of December, 2017, 1No. ROB Between Good shed and Gosaninuagaon Railway Station, Berhampur, Ganjam has been completed.

14 (Fourteen) nos. of ROB's i.e. (1)ROB between Dhenkanal-Sadashibapur Station near Ranaposhi in Dhenkanal District, (2)ROB between Budhapanka -Talcher Railway station in Angul District, (3) ROB at Saheed Nagar, Bhubaneswar, (4) ROB near Lingraj Temple, Bhubaneswar, (5) ROB at Soro between Soro - Markana, Balasore, (6) ROB at Tamulia, Balasore, (7) ROB at Balugaon , Khurda, (8) ROB at Kudiary, Jatani, Khurda (9) ROB at L.C. No306 between Berhampur - Gopalpur Railway Station, Ganjam (10) ROB at L.C. No309 between Lanjipalii & Engineering School, Ganjam (11) ROB at Titilagarh - Muribahal, Bolangir, (12) ROB at LC No.211 in between Rourkella - Panposh Station & (13) ROB at LC No.212 in between Rourkella- Panposh in Sundargarh District & (14) ROB at Managovindapur at Jajpur District are in progress. Tender for 08 nos. of ROB's are in process. There is a target to complete 05 Nos. of ROB's during 2018 – 19.



(ii) FLY OVERS & UNDER PASSES :

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 is in progress. The Department has recently initiated bidding process for the 3 Km long elevated corridor (fly over) near Joda town including improvement of the road stretch of Joda - Bamberi Section in the district of Keonjhar at a total project cost of Rs.228.00 Crore. The elevated corridor shall be quite useful for the mineral carrying traffic in the region. The work for this project is expected to commence from June 2018.

(iii) RING ROAD CUM BYE PASSES:

The Kothar Bye Pass in Bhadrakh district has been completed during 2015-16. During 2016-17, Jajpur Bye Pass in Jajpur District, Bolangir Bye Pass in Bolangir District, Manamunda Bye pass in Boudh District & Sambalpur Bye Pass in Sambalpur District have been taken up & are in progress. There is proposal for taking up of 3nos. of Ring Roads & 5Nos.Bye Passes such as 1) Sambalpur Ring Road,2) Berhampur Ring Road, 3) Bolangir Ring Road & By Passes at 1) Kamakhyanagar Bye Pass & 2) Kankadahada Bye Pass in Dhenkanal District 3) Bawanipatna Bye Pass in Kalahandi district 4) Mangalpur Bye Pass in Jajpur District & 5) Bye Pass road to Kendrapara Town in Kendrapara District.

(iv) 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 are being widened & improved to Double Lane Standard. 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. State Cabinet had approved for development of 2158.26Km of State Highways to 2-Lane Standard for an outlay of Rs.3000.00Crore with positive variation of 10%.

By the end of 2016-17, action was taken for 2-lanning of 1657.62Km of State Highways with a project cost of Rs.2918.65 Crore. By the end of March, 2017, 1213.06Km State Highways were improved to 2-Lane Standard with expenditure of Rs.2004.61Crore.

During 2017-18, there is budget Provision of Rs.500.00Crore with a target complete 2-laning of further 500.00Km of Road length of State Highways. By the end of December, 2017 during 2017-18, action has been taken for 2-laning of another 100.49Km of road with a cost of Rs.170.14 Crore. Thus, cumulative action has been taken for 2-laning of 1758.11Km with a cost

of Rs.3088.79Crore by the end of December, 2017. During 2017-18, by end of December,2017, 229.74Km of road length has been improved to 2-Lane Standard with an expenditure of Rs.382.71Crore.

During the year 2018-19, there is a budget proposal of Rs.350.00 Crore for completion of ongoing projects & to take up balance length for 2-laning.



(v) CONSTRUCTION OF NORTH-SOUTH CORRIDOR (BIJU EXPRESSWAY):

Government of Odisha has contemplated to develop a four-lane road of length 639.089Km namely “BIJU EXPRESSWAY (North-South Expressway)” connecting Jagdalpur to Rourkela through western Odisha and KBK districts of the State. Out of total length of 639.089Kms of this Express-way 182.255Km of NHs are being improved by NHAI/MORT&H, 163Km of SH-10 (i.e. Sambalpur - Rourkella road) has been developed through PPP mode by the State Govt. The remaining 293.834 Kms of the Expressway are taken up under this scheme & 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 had approved the Construction of Biju Expressway during 2015-16. The Project Corridor is targeted for completion by 2020.

During 2015-16, there was budget provision of Rs.50.00Crore for taking up of projects & Acquisition of Land. By the end of March, 2016, a length of 70.08Km with a project cost of Rs.219.06Crore was taken up & expenditure to the tune of Rs.50.00 Crore was made for



ongoing projects and for Land Acquisition.

By the end of March, 2017, 12.50Km of road length has been completed with an expenditure of Rs.233.50Crore including cost of Land Acquisition.

By end of December,2017, action has been taken for improvement of balance length of 293.834 Kms under the Corridor.

During 2017-18, there is a Budget provision of Rs.169.00Crore for ongoing projects, Acquisition of land with a target for completion of 50.00Km of road length. By end of December, 2017, during 2017-18, 48.70Km of road length has been completed with an expenditure of Rs.98.66Crore.

During the year 2018-19, there is a budget proposal of Rs.100.00 Crore for ongoing projects.

(vi) CORE ROAD NETWORK(CRN):

31 no. of roads covering 1610.250km have been declared as Core Road Network (CRN) vide Works Department, Government of Odisha Notification No.2669 dt.27.02.2009.

During 2016-17, 1no. bridge, 4nos. of small bridges & 32.43Km of road length was improved with an expenditure of Rs.22.24Crore under this scheme.



During 2017-18, there is a Budget provision of Rs.20.00 Crore under the scheme with a target for completion of 1No. Bridge & improvement of 10.00Km of road length. During 2017-18, construction of 3Nos. of Bridges & improvement of 43.87Km of road length has been taken up with an estimated cost of Rs.52.46 Crore. By end of December, 2017, during 2017-18, 3.80Km of road length has been improved with an expenditure of Rs.6.83Crore.

During 2018-19, there is a budget proposal of Rs.20.00Crore under the scheme for completion of for ongoing projects & to take up new works.

(vii) CAPITAL ROAD DEVELOPMENT PROGRAMME (CRDP):

Due to rapid growth of capital city, State Government provides funds under a new scheme “Capital Road Development Programme” in order to develop the capital roads in urban concept to reduce congestion of traffic, provide pedestrian facilities such as footpaths and crossings, improve Drainage System & Stagnation of water on roads, improvement of riding quality & addressing concern of road safety for the public.

By the end of 2016-17, 17nos. of projects covering a length of 23.18Km were taken up with a cost of Rs.94.62Crore. Out of this 10.60Km of road was improved with an expenditure of Rs.52.49Crore including Land Acquisition.

During 2017-18, there is a Budget provision of Rs.40.00Crore under this scheme. By the end of December, 2017, during 2017-18, action has been taken for improvement of further length of 23.12Km of road length with a cost of 101.33Crore. By the end of December, 2017, during 2017-18, 5.33Km of road length has been improved with an expenditure of Rs.10.16Crore. During 2018-19, there is a budget proposal of Rs.50.00Crore under the scheme for completion of ongoing projects & to take up development of new roads in Capital City.



STP Square to Maitri Vihar Under CRDP

(viii) State Plan(Others):

During 2016-17, 26 Nos. Bridges, 1No. ROB, 03 Nos. of Minor Bridges & improvement of 270.90Km of road length was completed under State Plan (Normal) with an expenditure of Rs.740.21Crore.



Khajurhapada - Nuagada Road Under State Plan

During 2017-18, by end of December, 2017, 17Nos. Bridges, 1No. ROB & improvement of 343.91Km of road length have been completed with an expenditure of Rs.668.21Crore under State Plan (Normal) against the target of 24 Nos. Bridges,3 Nos. of ROB's & improvement of 230.000Km of road length.

During 2018-19, there is a target to complete 23 Nos. of Bridges including completion of Major Bridges over Gurupriya in Malkangiri District, over river IB in Jharsuguda District, over river Mahanadi at Nelson-Mandela Chowk in Sambalpur District, over Chitei Nalla in Balasore District & over river Kushabhadra in Khurda District which are nearing completion, 5Nos. of ROB's along with improvement of 500.00Km of road length.

(ix) Infrastructure Development Fund Scheme for KBK Districts(IDFSK):

As during 2015-16, Niti Ayog, Government of India delinked the SCA for KBK Districts, State Government has augmented the provision under Biju KBK Plan in order to protect the funding for the KBK region. Accordingly, State Government had provided Rs.30.00Crore during 2015-16 under Biju KBK Yojana to complete the ongoing projects taken up by Works Department under SCA for KBK Districts. During 2015-16, improvement of 11.47Km road length was improved with an expenditure of Rs.21.38Crore.



During 2016-17, there was budget provision of Rs.30.0006 Crore under Biju KBK Yojana with a target to complete 3Nos. of Bridge projects & improvement of 20.00Km of road length. During 2016-17, 10Nos of New Road projects for improvement of 19.98Km of road length with a cost of Rs.21.19Crore were taken up. During 2016-17, 5Nos. of Bridge Projects were completed with improvement of 19.58Km of road length with an expenditure of Rs.26.53Crore.

During 2017-18, there is a Budget provision of Rs.30.00 Crore with a target for completion of 30Km of road length with renaming of the scheme as “Infrastructure Development Fund Scheme for KBK Districts”. During 2017-18, 63.35 Km of road length has been taken up for improvement with a cost of Rs.64.34Crore. During 2017-18, 6.17Km of road length has been improved with an expenditure of Rs.8.85Crore.

(x) AUGMENTATION OF BASIC AMENITIES & DEVELOPMENT OF HERITAGE AND ARCHITECTURE AT PURI(ABADHA):

State Government in the Budget, 2017-18 has introduced a new scheme for Augmentation of Basic Amenities & Development of Heritage and Architecture at Puri(ABADHA) which includes Land Acquisition Charges/Re-habilitation& Resettlement/ Road Improvement for providing better facilities in & around Shree Jagannath Temple. By the end of December,2017, action has been taken for 4-laning of 11.66Km of road length in 4 stretches with a cost of Rs.38.17Crore. There is budget proposal of Rs.50.00Crore during 2018-19.

(XI) PPP PROJECTS:

The State Government had promulgated the State Level PPP Policy in 2007 to facilitate Infrastructure Development in the State under PPP mode. In recognition to the state PPP policy, the Works department has taken various initiatives for improvement of road sector infrastructure projects in PPP mode. The department's initiatives for Enactment State Roads Tolls Act in 2010 and State Roads Toll Rule in 2011 are some noteworthy example of such activities for effective operation of PPP Projects in Highway Sector.

The PPP road project namely four laning work of Sambalpur - Rourkela section of SH-10, covering 163 Km length, is one of the lifeline road project of Western Odisha and is a major part of the “Biju Expressway”. The construction work for this mega PPP road sector project of Works department executed by the PPP Developer L&T IDPL with a Total Project Cost (TPC) of Rs.1292.56 Crore, is at an advance stage of completion. The construction work for this prestigious project which had commenced from July 2014 and opened to traffic on 13th March

2018. 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. The Tripartite Agreement for disbursement of VGF by Govt of India for an amount of Rs.258.51 Crore has already been executed in the month of November 2016. The department has also taken all steps to address the public demand and various safety issues by incorporating various new structures along the project corridor such as pedestrian underpass, vehicular underpass / over pass, rotary, subway etc. with State Government's own funding for an amount of Rs.137.566 Crore.

The Works department in close coordination with NHAI is finalizing the detail project report for another mega highway project, namely Capital Region Ring Road (CRRR) for implementation in PPP mode. The subject project is a proposed bypass road to the existing NH-5 aiming to bypass the Kolkatta & Chennai bound traffic entering the Capital city of Bhubaneswar. The estimated Total Project Cost (TPC) for this important connectivity is of the order of Rs.1238 Crore. It has been agreed in principle that CRRR project shall be implemented by NHAI and State Government shall facilitate all logistical supports, which includes acquisition of Land. The cost for land acquisition, utility shifting, tree cutting and other environmental mitigation measures shall be about Rs.560 Crore.



Looking at the outcome of earlier bidding process and market scenario on road sector PPP projects elsewhere in the country, the Works department have recently taken steps for development and maintenance of some important road infrastructure projects and standalone ROBs through various modes of PPP transaction such as BOT(Toll + Annuity), Hybrid Annuity and OMT (toll) model. In this context, the bidding process for implementation of two high traffic road projects namely Kandarpur- Paradeep (SH-12) and Naranpur-Pandapara-Brahmanipala-Duburi road under OMT (Toll) model of PPP with an estimated cost of about Rs.130 Crore shall be initiated soon. Similarly, the department has initiated steps for selection of consultant for preparation of technical and financial feasibility report including PPP structuring for about 20 new projects with a project cost of the order of Rs.1100 Crore. These projects include 16 numbers of standalone Railway Over Bridge (ROB), which do not qualify for Ministry of Railway funding under 50:50 centre-state sharing basis due to lesser traffic volume in terms of TVU.

An expenditure to the tune of Rs.56.28 has been made by the end of December, 2017 during 2017-18 for Land Acquisition, R&R, Shifting of utilities & other expenses for the PPP road sector projects out of the budget provision of Rs.120.00Crore.

There is budget proposal of Rs.80.00Crore for 2018-19.



8. IMPORTANT ROAD PROJECTS/ CORRIDOR UNDER IMPLEMENTATION

a) VIJAYAWADA – RANCHI CORRIDOR (VRC):

The total length of the Corridor passing through Odisha is 1202.01Km, out of which 239.30Km of road length National Highways are 2-lane roads. Out of 962.71Km, 775.96Km is being executed by State R&B wing with a cost of Rs.1520.45Crore from different sources of funding like One Time ACA, Central Road Fund, Special Planning Commission Allocation, MORT&H Budget under V.R. Corridor, LWE &NH(O), SARCA, State Plan (Normal), World Bank Assistance & balance length of 186.75Km is being executed by State NH Wing with a cost of Rs.620.37 Crore funded by MORT&H, Government of India. 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 (Tatakposhi to Deogarh).

Out of 775.96Km of road executed by State R&B Wing, 703.31Km length of road have been completed with an expenditure of Rs.1226.39 Crore & 82.20Km have been improved by State NH Wing out of 186.75Km with an expenditure of Rs.187.94Crore by end of March, 2017.Thus total, 785.51Km was improved out of 962.71Km of V.R. Corridor by the end of March, 2017.

During 2017-18, by end of December, 2017, 14.30Km length of road has been improved with an expenditure of Rs.23.66Crore by State R&B wing and 54.80Km length of road has been improved by NH wing with an expenditure of Rs.87.03Crore. Thus total, 854.61Km has been improved out of 962.71Km of V.R. Corridor with an expenditure of Rs.1525.02Crore by the end of December, 2017.

It is targeted to complete the entire length of 962.71Km of V.R. Corridor in Odisha by 2019.



Takatposhi Deogarh Road Under
Vijayawada Ranchi Corridor

B) LEFT WING EXTREMISM SCHEME (RRP-I):

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.977.26 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, 2017, 560.68Km of road length has been completed with expenditure of Rs.860.92 Crore.

The construction of Bridge over Gurupriya in EPC Mode is in progress 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.158.34Crore has been incurred for Gurupriya Bridge out of State Fund by the end of December, 2017. It is targeted to complete the Bridge by April, 2018.

9) ODISHA STATE ROAD PROJECT (OSRP):

State Government is implementing development of identified road infrastructure with investment of Rs.1411.45 Crore up to 30th June 2016 under Odisha State Road Project (OSRP) with World Bank funding of Rs.984.42 Crore and State Government funding of Rs.427.03 Crore. These road corridors are i) Bhawanipatna - Khariar road corridor, ii) Anandapur – Bhadrak - Chandbali road corridor, iii) Berhampur - Taptapani road corridor and iv) Jagatpur - Chandbali road corridor. Widening, strengthening and selective realignment of existing roads



to double-lane standard is being completed with implementation of appropriate rehabilitation & resettlement and mitigation of environmental impediments. In addition to Corridor development step to carry out Institutional strengthening, innovative measures have been taken for capacity building of Works Department Steps have been taken to implement Asset Management System (AMS) to promote rational and efficient allocation of funds in road sector.

After June 30, 2016, the World Bank loan is closed and the balance funding is now being met out of Budget Provision under State plan. There is Budget Provision of Rs.210.00 Crore in Annual Budget for the year 2017–18. During the year 2017-18, 48.000km length of road shall be improved and cumulatively 253.000 km length of road shall be improved by the end of March, 2018.

There is a budget proposal of Rs.110.00 Crore for OSRP for the financial year 2018–19 with physical target to complete 50.00 Km of road length in different stretches.

10. 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 of 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 Sector Policy will be notified in FY 2018-19 once it get concurrence by the Government integrating decisions on Road Network Master Planning and road safety institutionalisation mechanism thereon suitably.
- The draft **Road Safety Policy of Odisha** had been framed by the Commerce & Transport Department, Govt. of Odisha in the light of recommendations in the Draft Road Safety Action Plan. This has been approved by the Government and finally notified as **Road Safety**

Policy of Odisha, 2015 in Odisha Gazette 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 2015, 2016 & 2017 for capacity building in road safety matters to 211 OWD Engineers by CRRI, New Delhi. Appropriate actions to remove black-spots and necessary corrective counter measures through engineering interventions are being taken up in FY 2016-17 and onwards. 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 proposed to be 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 2018-19. 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 2018-19.
- **Odisha Road Network Master Planning** based on GIS-Based Road Network Model have already been adopted since last two years. This is a dynamic model and 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 have been initiated. Also Master Planning of Roads connecting to the Mines area villages are being planned to be executed in FY 2018-19 charging to DMF Funding.

The **HRD & Training Policy** of Works Department, Odisha-2015 has been notified in Odisha Gazette incorporating Training Needs Assessment of Department Personnel/ Officials. 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, a domain expert for HRD & Training functions was

engaged for a period of 1 year. Induction Trainings to new recruitee AEEs and JEs have been successfully imparted in the FY 2016-17 & 2017-18, respectively. Engagement of Resource person have been done in FY 2017-18 on pilot basis for reviewing, guiding, mentoring and capacity building in the area of Lean Constructions projects to minimise wastes in the business processes starting from planning, scheduling, designing, tendering, executing and monitoring processes of Bridges and Highways. More numbers of in-service Trainings and sponsored trainings are planned to be organised in the FY 2018-19 in the field area of road safety, Seismic codes and building codes, Contracts and Arbitrations & Disaster Management to enhance the capacity of Engineers of Works Department.

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 2017-18 has been prepared by ORAMS. The annual condition assessment of roads is under progress for assessment of maintenance requirement for the year 2018-19.

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. In this context, the Government has initiated Contractor Database Management System development, Building Management System, which is expected to be rolled out in 2018-19. Other key IT applications such as, Document Management System, Land Acquisition System and Legal Management Information system are under way.

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. Necessary steps have been successfully taken for converting the e-Nirman application to open source and necessary Cyber Security audit of the system thereafter, for hosting the application in NIC server.

Use of Lean Concepts

Concepts of Lean have been demonstrated in the Head Office as a capacity building measure with an intention of eliminating waste in design, procurement and construction processes, through workshops. As a trial, the concept had been applied in the Mahanadi Bridge Construction Project at Cuttack, for the balance works in order to reduce the balance execution period by elimination of non-value added activities.

Adoption of new construction materials & technology:

As per RCPLWE guidelines, new technology has been proposed in one project i.e. MV-76 to Bejinwada road of 59.00 Km in Malkangiri District. The new technology includes use of high performance asphalt stress absorbing membrane interlayer (SAMI), one odour free additive i.e. Zycothern to increase moisture resistance of bituminous layer besides cement stabilization in base and sub-base and use of cold SDBC. The DPR for the same has been submitted to NRRDA for scrutiny as per the condition of sanction.

11. Activities on maintenance of roads/Bridges/IBs/Barricading:

Maintenance of extensive road networks is a major prerequisite in the context of up keepment of Capital assets. Due to rising trend in traffic, it has become imperative to conceive a well-formatted maintenance schedule for better maintenance of Roads & Bridges 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 & Bridges every year. Also, maintenance of IBs & need based barricading for safety aspects are taken up. Accordingly keeping the Budget Provision in view, Annual Maintenance plan for the year 2017-18 was prepared and targets and achievements are indicated below. There is Budget proposal of Rs.835.09 Crores under Revenue Expenditure for the above purpose for the year 2018-19.

Target and Achievement of 2017-18 by the end of December, 2017

Sl No	Category of road	Nature of Repair	Target for 2017-18	Achievement for the year 2017-18 (By end of December,2017)
1.	State Highways			
		i) Special Repair	80.00 Km	40.00 km
		ii) Periodical Renewal	95.00 Km	35.000 km
		iii) Pothole Repair/ Routine maintenance	1000.00Km	950.000 km
		iv) Repair to CD Work	CD-60 Nos	20 Nos.
2.	MDR/ODR			
		i) Improvement	300.00 km	102.000 km
		ii) Special Repair	610.00 km	295.000 km
		iii) Periodical Renewal	750.00 km	305.000 km
		iv) Pot Hole repair & Routine maintenance	6500.00 km	5550.000 km
		v) Repair to CD / small bridges	CD-380 Nos.	170 Nos.



Kundupur - Babar - Jamboo Road Under Revenue Expenditure

ACTIVITIES ON BUILDING WORKS

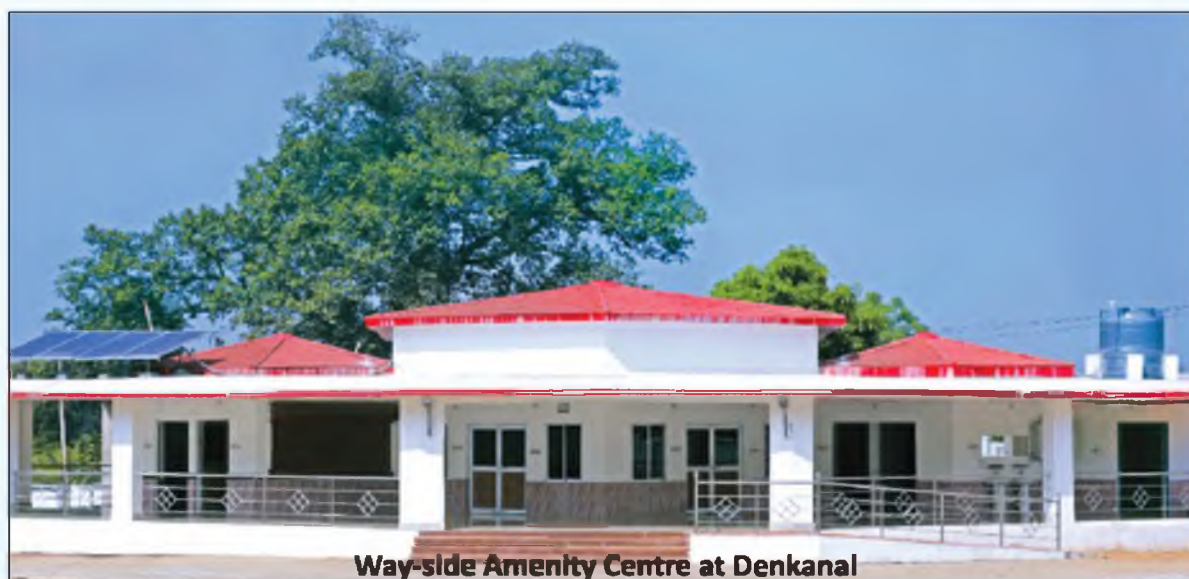
One of the prime agendas of the State to improve the building infrastructures for opening the vistas of all round development activities is to undertake new building construction / maintaining the existing one located in the Urban Area of the State and Works Department have a key role to play on this 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 evaluation 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 2017-18 speaks the entire of spectrum of all round development.

ACTIVITIES ON BUILDING WORKS FOR 2017-18

(Rs. in Lakh)

Year	Scheme	Budget Allocation Rs. in Lakh	Expenditure Rs. in Lakh	Total Projects taken up	Completed during the Year
(1)	(2)	(3)	(4)	(5)	(6)
2017-18 (Up to 31-12-2017)	SP (Works Deptt.)	6900.00	3051.43	102	38
	SP (Other Deptt.)	114484.85	45723.80	905	150
	Central Plan	-	-	-	-
	NP	49742.46	24607.03	11022	3500
	13th FCA (D. No-07)	-	-	-	-
	Total =	171127.31	73382.26	12029	3688



Way-side Amenity Centre at Denkanal

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 / Skill Development Centre 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.
- ◆ 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.
- ◆ Construction of 6 nos. New Medical Colleges at Puri, Balasore, Baripada, Bolangir, Koraput and Keonjhar along with hostels and staff qtrs. are being taken up.
- ◆ Educational Institutions such as Schools & Colleges
- ◆ 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, Circuit House, Record Rooms, Tahasil offices, Residential accommodation of Collectors & staffs etc.
- ◆ And many other buildings of various departments either under Deposit or Budgeted Schemes in the mother Department are taken up.



Maedicial College at Baripada

Important On-going Building Projects.

Dept.	Projects
Works	Construction of New Division and Circle offices along with Residential Qtrs. & Construction of Way Side Amenity Centre at different places of the State.
SD & TE	Parala Maharaja Engineering College, Berhampur, Hostel, Academic Block.
	Govt. College of Engineering, Kalahandi, Bhawanipatna, 2nd, 3rd & 4th Floor of Academic Block
	Polytechnic at Bargarh, Boudh, Angul, Kandhamal, Malkangiri, Nawarangpur, Nayagarh, Sambalpur, Deogarh, Jagatsinghpur, Mayurbhanj and Jeypore.
H & F.W.	Mental Health Institute, 120 seated P.G. Hostel, Telemedicine, Infrastructure Development of College & Hostel for upgradation of 250 M.B.B.S. seats.of SCB Medical College, CTC
	Pediatric, Orthopedic and Medicine ward & Library Building of MKCG MC&H, Berhampur, Infrastructure Development of College & Hostel for upgradation of 250 M.B.B.S. seats.
	Casualty, O.G., PMR, Radio diagnoses, Sickle Cell of VSS MCH, Burla, Infrastructure Development of College & Hostel for upgradation of 250 M.B.B.S. seats.
	6 nos. New Medical Colleges & Hostels at Puri, Balasore, Baripada, Bolangir, Koraput and Keonjhar.
Higher Education	Construction of Model Degree Colleges in 8 districts (Educationally Backward District of State).
	Construction of 33 nos. of Hostels in Government Colleges.
Revenue	New Collectorate buildings at Gajapati, Boudh, Jajpur, Deogarh.
	New Circuit House at Deogarh, Keonjhar, Boudh, Sundargarh, Gopalpur, Nuapada, Sambalpur.
Home	8 nos. of District Court Complex.
P&C	Parisankhyan Bhawan at Bhubaneswar
G.A	High Rise Multistoried Building at Bhubaneswar, Convention Centre at Secretariat Campus.
P.A.	Abhisek Hall at Raj Bhawan, Bhubaneswar.



The statistics of the recent years say that the plinth area of the Capital Building assets covering the entire State as on 2016-17 is 9657611 sqm. (both Res. & Non-res) and undergo a substantial increase in the subsequent year i.e. 2017-18 totaling to 9850763 sqm. (both Res. & Non-res). The handling of such huge nos. of buildings 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 2017-18

1. **Organization:** 22 Nos of National Highways measuring of **4855.325** km in length traversed through the state of Odisha. Out of **4855.325** km of total length of National Highways in Odisha, 2946.299 km is under the control of NH wing of State PWD, **1909.026** km have been transferred to National Highways Authority of India..

Present lane configuration of NHs is given below

- (a) Single Lane: 136.881 km.
- (b) Intermediate Lane : 44.10 km
- (c) Double Lane : 2725.348 km (Length includes work completed and in progress)
- (d) Four Lane : 37.45 km
- (e) Multi Lane : 2.520 km

1. FINANCIAL ACHIEVEMENT DURING 2017 -18 (as on end of Dec-17)

Head of account	Allocation Rs in Cr	Expenditure Rs in Cr
NH(O)	405.00	333.38
Periodical Renewal	45.80	8.23
Ordinary Repair	18.78	16.96
FDR	1.03	0.03
NHDP-IV	75.00	32.99
EAP (NHIIP)	150.00	127.09
VR Corridor	200.00	104.46
State Plan	10.00	4.81

2. PHYSICAL ACHIEVEMENT DURING 2017-18 (as on end of Dec, 2017)

Widening to two Lane	233.18 km
Construction of Bridge (Nos.)	6 Nos.
Periodical Renewal in km	11.73
Special Repair (State Plan)in km	20.38

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	54 km completed and balance work in progress
2.	NHIIP	201	26	Nabrangpur to Koksara	55	197.35	50 km completed and balance work in progress
3.	NHIIP	217	353 59	Nuaparha to Bango Munda	68	148.67	52.5 km completed and balance work in progress
4	NHDP	200	49	Kanaktora to Jharsuguda	68	319.80	Work completed and opened to traffic.
5	NHDP	23	149	Palhara to Pitri	68	342.05	62.97 km completed and balance work in progress
6	LWE	-	326	Koraput-Laxmipur-Rayagada	71	222.79	49.5 km completed and balance work in progress
7	LWE	-	326	Jeypore-Malkanagiri-Motu	86	268.79	40 km completed and balance work in progress
Total					477	1684.93	



NH-57 at Ch.156+400km

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.10.00 crore under “Special Repair head” during 2017-18 for improvement of badly damaged stretches in order to keep the NH in trafficable conditions . There is also provision of Rs. 10.00 crore under “Special Repair head” during 2018-19.

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 cum ROB has been completed and opened to traffic.
- Land Acquisition estimate for Berhampur and Balangir BY-Pass with Ministry for consideration.
- Land Acquisition for remaining 5 projects are at different stage.
- Feasibility Report and DPR are under preparation by consultants for construction of By-Pass near following places
 - ◆ Jharsuguda on NH 49.
 - ◆ Kotpad on NH 63.
 - ◆ Bhawanipatna on NH 26

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. The works shall be put to tender after acquisition of private land. Land is being acquired under NH Act and are at different stages.

- (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 :- State Government is giving priority on improvement in road communication system in the state more particularly in remote, inaccessible, tourist potential and economic growth centers. Due to constant

endeavor of State Government for improvement in communication system, Government of India has in-principle approved the following states roads as NHs in Odisha subject to outcome of DPR. DPR is being prepared by IAHE, NHAI and NH wing of state PWD.

SI No	Route	Length in km	DPR under preparation by
1	Palasa-Paralakhemundi-Ramanguda-Bisamkatak-Muniguda-Bhabanipatana-Karaiar-Bangomunda-Patnagarh-Padmapur-Chhatishgarh Border	400	Indian Academy of Highway Engineers (IAHE)
2	Naranpur (Keonjhar)- Kaliahata-Kankadahada-Kamakhyanager	100	Indian Academy of Highway Engineers (IAHE)
3	Kendrapada-Chandabali-Dhamara-Bhadrak	110	-Do-
4	Badakera (Angul)-Hindol-Gania-Daspalla-Bhanjanagar	120	-Do-
5	Jankia-Chandpur on NH 316	40	-Do-
6	Balangir-Patnagarh-Harishankar-Nursinghnath-Paikamal-Nuaparha	130	-Do-
7	JH/Odisha border to Dhabaleswar on NH 143 via Jareikela	36.7	CE NHs Odisha
8	JH/Odisha border to Singada NH 49 via Raruan	17.3	-do-
9	Bhubaneswar-Athagarh-Samarpur-Majdherapur (Madidharapur)	115	-do-
10	Digapahandi-(NH 326) to Haridakhandi (NH 59)	25	-do-
11	Jharsuguda-(NH 49) –Karamdih-Subdega-Balishankara- up to junction with NH 43 near Ludang (Odisha =77)	77	-do-
12	Khalikote-Kodala-Budhamba-Boirani-Koinfhulia-Aska	52	-do-
13	Sohela-Barapali - Binika-Sonepur	84	-do-
	Total	1307	



Activity Report of Chief Engineer-cum-Chief Manager (Tech), State Procurement Cell, Odisha

Activities:

1. Implementation of e-Procurement across all Departments and PSUs of the State.
2. Domain input for development of end-to-end procurement solution
3. e-Procurement training to Officers and bidders.
4. Online monitoring of published tenders.
5. Software testing.
6. Help Desk Support (Toll Free- 1800 34567 65).
7. Single window Technical support for all Departments & PSUs.
8. Validation of bidders' profile.
9. Blocking of defaulting bidders profile to debar from participation of tender.
10. Unblocking of blocked portals of bidders on recommendation of the Unblocking Committee under the Chairmanship of EIC (Civil), Odisha.

Apart from above mentioned regular activities, following major activities have been taken up recently, as an addition to the ambit of functionalities of the State Procurement Cell, Odisha, in the year 2017-18.

As per decision in the high level meeting under the Chairmanship of Chief Secretary, Odisha on 20.11.2017 online receipt of Tender Paper Cost and EMD for all Departments have been implemented by State Procurement Cell. Steps are being taken up to implement Contractor Database Management System for all tenders very shortly.

◆ Online Payment of EMD and Tender Paper Cost

The State Government has introduced rules and procedures for Electronic receipt, accounting and reporting of the receipt of Cost of Tender Paper and Earnest Money Deposit on submission of bids through the e-procurement portal of Government of Odisha i.e. “<https://tendersodisha.gov.in>”. Currently, the Online Payment system is functioning with aggregator banks of ICICI Bank payment Gateway. Subsequently, SBI and HDFC Bank Payment Gateways will also be integrated into the e-Procurement portal.

◆ Contractor Database Management System

In order to make the e-Procurement process completely electronic, the State Procurement Cell is currently going to take up another activity of rolling out the Contractor Database Management System. The system will have following advantages:

- Elimination of the submission of performance status by Bidders in paper form completely.
- One common Contractor Database across the State and provide unique Contractor ID to each Contractor.
- Facility for the technical evaluation in online mode by designated authorities.
- Integration with other e-Gov applications in project management so as to update it in a systematic manner.

Achievements from 01.04.2017 to 31.12.2017

- No. of tenders published: 27729
- Value of tenders published: Rs. 19056.48 Crores
- No of portal registration validated/authenticated: 14624
- No. of officers trained: 23
- No. of bidders trained: 29
- No. of bidders profile blocked: 25
- No. of bidders profile unblocked: 32



ACTIVITIES OF DIRECTORATE OF DESIGNS, OFFICE OF THE E.I.C. (CIVIL), BHUBANESWAR.

Directorate of Designs is responsible for preparation/ vetting/ approval of General Arrangement Drawings of Bridges, ROB's etc. and structural Drawings of individual components of Buildings, Bridges, ROB's & Roads.

Bridges & ROB's

During the year 2017-18, General Arrangement Drawings of more than 90 Nos of High Level Bridges over rivers which includes river Mahanadi at Boudh, Kushabhadra near Gop, Bansadhara near Gumuda, Budhabalanga at Baripada, Kharasrota in Jajpur, Rusikulya in Ganjam, Daya near Bhubaneswar, Salandi near Bhadrak, Ong in Bargarh, Saberi & Saptadhara in Malkangiri district and major projects such as Bankibahal- Bhedabahal coal corridor in Sundargarh, Tamka- Mangapur corridor in Jajpur have been approved. More than 300 Structural Drawings of individual components of several Bridges and ROB's including rigid pavements have also been approved and communicated.

Buildings.

During the year 2017-18 more than 250 structural design and drawing for different components of buildings have been approved. Major & important projects for which structural drawing and design have been approved and communicated during current financial year 2017-18 are furnished below.

- 44 Nos Wayside Amenities spreading over Odisha.
- Rental Housing building spreading over Odisha.
- EVM/VVPAT buildings in each district of Odisha.
- 500 seated hostel Gents and Ladies , Parala Maharaja Engineering College, Berhampur.
- 400 seated Ladies hostel, F.M. College, Balasore.
- 300 seated Girls hostel, Ravenshaw College, Cuttack.
- 200 seated hostel building, Baripada
- Science Block, Sailabala Women's College, Cuttack.
- Academic (G+7) building, Ravenshaw College, Cuttack.
- Sainik School (II) buildings at Sambalpur.
- 30 bedded M.C.H. building, Pattamundai.
- 100 seated MCH building at Berhampur.
- Linac building, S.C.B. Medical College, Cuttack.
- Hostel and Institute building for State institute of Health and Family Welfare Dept. at Nayapalli, BBSR.

- 120 main Barrack Police Organisation P.T.C., Angul.
- J.M.F.C. Court Building, Kotpad
- Annex building (S+6) , Odisha High Court, Cuttack.
- Collectorate building, Deogarh.
- Collectorate building (Renovation), Jajpur
- Town Hall, Bhawanipatna.
- Horticulture Museum , Ekamrakanan, Bhubaneswar.
- Market Complex in the premises of A.U.C.C. bank, Kamakhynagar.
- Bus terminal at Deogarh.
- Galary at Gandhi Field, Sonapur.



ACTIVITY REPORT-2017-18 OF ARCHITECT WING OFFICE OF CHIEF ARCHITECT, ODISHA

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 2017-18 up to December'2017, architectural drawings for 47 no building projects have been prepared and supplied to the concerned (R&B) Divisions for necessary execution. List of such building projects are mentioned below .

LIST OF PROJECTS FOR 2017-18

1. Proposed Commerce Block of D.D (Auto) College, Keonjhar.
2. Proposed 500 seated Ladies hostel in the existing space of Kasturi hostel of DD (Auto) College, Keonjhar
3. Construction of Proposed composite building of Co-Operative Department Dhenkanal
4. Proposed construction of Working Nurse Hostel of VIMSAR, Burla.
5. Proposed Auditorium for Panchayat college at Baragarh, Odissa.
6. Office Building of S.I, Excise, Hindol Charge.
7. Proposed Boys Common room & Multi Gym at BJB (Auto) college, Bhubaneswar.
8. R.T.O office at Talcher.
9. Construction of Tertiary care Cancer Center (TCC) of V.S.S M.C.H, Burla.
10. Deputy Commission of Commercial Tax Dhenkanal circle.
11. Proposed Res-office for Collector of Paralakhemundi, Gajapati.
12. Proposed building for office, waiting space bath & toilet, restaurant, news, magazin counter, PCO, Tea Stall and cloak room etc. of Bus stand at Ganswarpur near Balasore.
13. Proposed Market Complex of bus stand Ganeswarpur near Balasore.
14. Proposed Sulabha Sauchalaya of bus stand Ganeswarpur near Balasore.
15. Proposed Bus Stand at Ganeswarpur, Balasore.
16. Proposed Building for Construction of Tertiary Cancer Care Center at M.K.C.G Medical College, Berhampur

17. Proposed addition to ext. D.R.D.A building at Bhawanipatna, Kalahandi.
18. Proposed Court Building for Civil Judge (SD)-cum-ASJ at Umerkote.
19. Proposed new Sub-Judge Court Building and Garage/canteen at Athagarh, Cuttack.
20. Civil Supply office cum Godown, Kendrapara.
21. Proposed building for Senior Inspector Legal Metrology at Junagarh, Kalahadi.
22. Proposed building for Assistant Controller Legal Metrology at Bhawanipatna, Kalahandi
23. Proposed plan for construction of New three storied Building (P.W.D I.B) at Garapur, Kendrapada
24. Proposed Biju Pattnaik Auditorium (800 Capacity), Rayagada.
25. Proposed building of new Sub Register Office, Paralakhemundi.
26. Proposed Community Health Center Building at Podia.
27. Proposed Library Building cum canteen near existing library at Burla.
28. Proposed State Drug Testing Laboratory at Sambalpur.
29. Proposed construction of ARCS office building at Paralakhemundi.
30. Proposed building for St. John ambulance, Odisha Center, Bhubaneswar.
31. Site plan for proposed R.I office cum residential building at Choudwar.
32. Lay out plan for Vigilance colony at-BBSR.(Revised -2)
33. Proposed Architectural plan for construction of EVM & VVPAT godown at Nayagarh
34. Proposed Inspection Banglow at Nuapada.
35. Proposed Auditorium at Nuapada (535 nos. capacity).
36. Proposed construction of A.N.M training center at Malkanagiri.
37. E- type quarters for Vigilance Colony, Bhubaneswar.
38. Proposed Auditorium (1000 nos.) Capacity, Rourkela.
39. Proposed construction of building for ware house for storage of EVM &VVPAT at Rayagada
40. Proposed four storeyed building as Annexure to Collectorate building at Rayagada.
41. Proposed JMFC Court Building Khandapada/Ranpur
42. Proposed JMFC Court Building, Bhapur.
43. Proposed Transit house for JMFC court building Khandapada/Ranpur/Bhapur.
44. Proposed Canteen cum Bar Association Hall for JMFC Court, Bhapur, Ranpur, Khandapada, Nayagada
45. Proposed civil Judge quarters for JMFC court at Ranpur.
46. Proposed senior Judge quarter for JMFC court building, Khandapada / Ranpur/ Bhapur.
47. Proposed JMFC court building, Bhapur.





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



Legend	
Roads	
Expressway	— 3.80m — 4.90m — 7m
National Highway (NH)	— 3.80m — 4.90m — 7m
State Highway (SH)	— 3.80m — 4.90m — 7m
Major District Road (MDR)	— 3.80m — 4.90m — 7m
Other District Road (ODR)	— 3.80m — 4.90m — 7m
New ODR	— 3.80m — 4.90m — 7m
Village Panchayat Road	— 3.80m — 4.90m — 7m
Rail Corridor	— 3.80m — 4.90m — 7m
District Headquarters	•
Other Towns	•
River	— 3.80m — 4.90m — 7m