



**WORKS DEPARTMENT
GOVERNMENT OF ODISHA
ANNUAL ACTIVITY REPORT 2018-19**



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ACTIVITY REPORT

OF WORKS DEPARTMENT FOR THE YEAR 2018-19

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-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, 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 30637.903Km 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	–	4848.058 Km
II.	State Highways	–	4143.053 Km
III.	Major District Road	–	2811.784 Km
IV.	Other District Road	–	18835.008 Km
	Total	–	30637.903 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 25789.845 Km of roads under different categories. The details are shown below:

Category	Length in Km.
a) State Highway	4143.053 Km
b) Major District Roads	2811.784 Km
c) Other District Roads	18835.008 Km
Total	25789.845 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 2018-19 is given below:

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	2018-19	3032.76	Bridge-40 ROB-5 Total-45	1185.000	Bridge-44 ROB-7 FOB-2 Total-53	1557.43



HIGHLIGHTS OF ACHIEVEMENT UNDER DIFFERENT SECTORS / SCHEMES DURING 2018-19

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:-



H.L. Bridge over river Bramhani near Kalana in Jajpur Dist. under RIDF

	RIDF	Bridge in No.	Road in No.	Total in No.
I.	No. of projects taken up under Trencher RIDF- I to XXIII (by end of 2017-18) by NABARD Assistance	206	418	624
II	No. of projects completed by 2017-18.	172	378	550
III	No. of projects taken up under NABARD under RIDF XXIV during the year 2018-19	01	29	30
IV	No. of projects completed during the year 2018-19 out of ongoing projects	08	18	26
V	Target for completion during 2019-20	06	19	25

During 2018-19, there is final grant of Rs.465.00 Crore with a target for completion of 05 Nos. of Bridges & improvement of 200.00Km of road length. During 2018-19, 08 Nos. Bridges& improvement of 152.00 Km of road length has been completed with an expenditure of Rs.465.00 Crore. Cumulatively, by end of March, 2019, 5666.00 km of road length has been improved under this scheme.

There is a budget proposal of Rs.500.00 Crore during the year 2019 –20 under the scheme with a target for completion of 06 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 2017-18	345.08	33	937.48
2	Financial and physical Achievement up to 2017-18	333.22	30	843.11
3	Financial & physical Target for 2018-19	30.00	02	50.00
4	Financial & physical achievement made during 2018-19	11.86	-	59.54

The expenditure during 2018-19 was limited to the released amount of NITI AYOJ, Govt. of India as the scheme has been delinked by Government of India.

During the year 2019-20, there is no budget proposal under the scheme as NITI AYOJ, Govt. of India has delinked the scheme. The expenditure for the ongoing projects will be met out of State Fund for completion of projects.



Tundla Karlamunda Road from 11/800 to 13/900 km (KBK RLTAP)

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.

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 2017-18	2177.15 (Govt. of India Sanction)	50	190
2	Financial and Physical Achievement made up to 2017-18	1226.99 (Expenditure)	30	162
3	Projects sanctioned during 2018-19	1261.98 (Govt. of India Sanction)	01	29
4	Financial & physical Target for 2018-19	400.00 (Budget provision)	8	(Improvement of 75 km of road length)
5	Financial & physical achievement made during 2018-19	361.07 (Expenditure)	3	(Improvement of 120.99 km of road length)
6	Financial & physical target for the year 2019-20	250.00 (Budget proposal)	10	(Improvement of 100.00 km of road length)

Tenders have been invited for the projects sanctioned during 2018-19 in the Month of February 2019.



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, and 197.99 km road length has been completed with an expenditure of Rs.446.77 crore.

1No. of road project covering a length of 29.00Km with estimated cost of Rs.30.94 Crore (revised cost of Rs.25.56Crore) sanctioned during 2015-16 by MORT&H, Government of India has been completed.

Further 2 nos. of road projects covering a length of 44.77Km with estimated cost of Rs.133.72Crore sanctioned during 2017-18 by MORT&H, Government of India are in progress.

As the expenditure for projects are being made through DPP Mode by MORT&H, Government of India, no Budget provision under the Scheme has been proposed in the State Budget.



Dhenkanal- Kamakhyanagar Road Under EI Scheme

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

Government of India had sanctioned 7 nos. road projects with an estimated cost of Rs.57.21Crore up to 2008-09, against which all 7 nos. of projects have been completed with an expenditure of Rs.57.94Crore up to 2015-16.

3 Nos. of road projects covering a length of 67.70Km with total estimated cost of Rs.129.01Crore sanctioned by MORT&H, Government of India during 2013-14,2014-15 & 2015-16 i.e one project in each year and these projects have been completed with total expenditure of Rs.102.13 Crore through DPP Mode of payment by MORT&H.

Further, work in progress for 2 nos. of road projects covering a length of 50.26Km with estimated cost of Rs.148.56Crore sanctioned during 2017-18 by MORT&H, Government of India.

As the expenditure for projects are being made through DPP Mode by MORT&H, Government of India, no Budget provision under the Scheme has been proposed in the State Budget.



Chipat junction Baripada-Baghara road under ISC

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

MORD, Government of India have sanctioned 35 Nos. of projects of 29 No. of Roads for improvement of 388.79Km of road length with a cost of Rs.350.52Crore for improvement of road connectivity in Naxal Affected districts of Malkangiri & Koraput under the Scheme under RCPLWEA (Phase-I). Works for 32 Nos. of projects have been awarded & are in progress.3 No. of projects are under Sub-judice.

These projects are being executed on 60:40 (Central / State) Share basis. Till date, Government of India have provided Rs.102.20Crore & State Government have provided Rs.73.07Crore for execution of the sanctioned projects.

During 2018-19, 50Km of road length has been completed with an expenditure of Rs.80.88Crore.

Also, under RCPLWEA (Phase-II), 33 projects have been approved by MORD for improvement of road connectivity in Malakangiri, Koraput & Rayagada District. Out of this, 10 nos. of DPRs have been processed & others are under preparation.

During 2019-20, there is token budget proposal under the scheme & required amount will be proposed at Supplementary Stage.



**Chikinput to Badigam Jayantgiri
(Machhakunda-Mundaput Road) Under RCPLWEA**

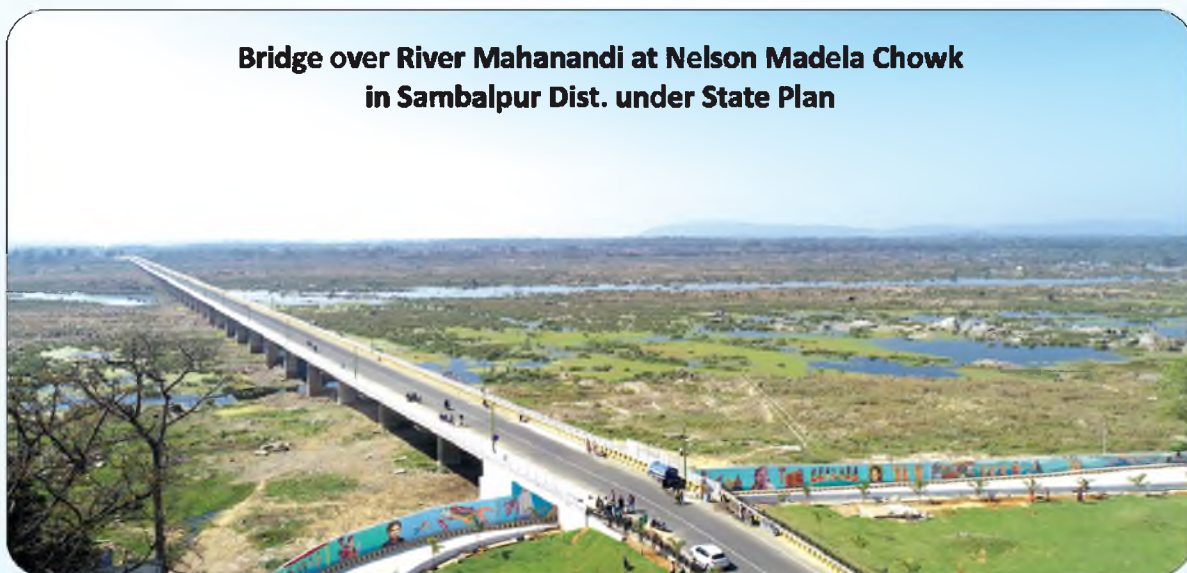
7. ROAD DEVELOPMENT PROGRAMME (STATE PLAN NORMAL):

State Government provides funds for construction of ROBs, Fly overs, Under pass, Ring road & Bye Passes, Bridges, Improvement & widening of Capital roads, 2-laning of State Highways, Construction of Biju Expressway, improvement Urban roads, improvement of identified Core Road Network roads, improvement of important roads, Augmentation of Basic Amenities & Development of Heritage and Architecture at Puri (ABADHA), provision for land acquisition, Quality Control & Planning Research, Incentive to Contractors, Payment of Decretal dues, Information, Education & Communication Activities, DPR & Capacity buildings etc. under Sate Plan (others).

During 2018-19, there is budget provision of Rs.1766.17Crore with a target for completion of 25Nos. of Bridges, 5Nos. of ROBs & improvement of 810.00Km of road length & to take up new projects. By the end of March, 2019 during 2018-19, expenditure of Rs.1765.48Crore (99.96%) has been made with completion of 33Nos. of Bridges, 7Nos. of ROBs, & improvement of 1128.40Km of road length. Besides this, 14 nos. of Box Cell Culverts & riding quality-improvement for 203 Km length of road in different stretches have been completed.

During 2019-20, there is budget proposal of Rs.1615.30Crore with a target for completion of 27Nos. of Bridges, 4Nos. of ROBs, 1 no. of Fly over & improvement of 1035.00 Km length of road & to take up new projects for filling up critical gaps.

**Bridge over River Mahanandi at Nelson Mandela Chowk
in Sambalpur Dist. under State Plan**



(i) RAILWAY OVER BRIDGES:

Works Department is providing funds in Budget out of State Plan (Others) for construction of ROB's for easing of traffic congestion. 10 nos. of ROB's i.e. 1) at Lanjipalli in Berhampur, 2) at Basanti Colony Rourkela, 3) at Punama Gate in Bhubaneswar, 4) Randhia in Bhadrak, 5) ROB at Haladipadar, 6) ROB at Malatipatpur, 7) ROB at Managovindpur in Jajpur District, 8) ROB at Simulia in Dhenkanal District, 9) ROB at Mancheswar level crossing, Bhubaneswar & 10) ROB at Gosani-Nuagaon (L.C. No.312) in Ganjam District have been completed by end of 2017-18.

During 2018-19, 7 Nos. of ROB's i.e. 1) ROB at Lingaraj Temple, Bhubaneswar, 2) ROB at Sahidnagar, 3) ROB at Sadasivpur (Ranaposhi) in Dhenkanal district, 4) ROB at Berhampur-Gopalpur (LC No.306), 5) ROB at Rourkela-Panposh section (L.C.No.211), 6) ROB at Soro, Balasore and 7) ROB at Tamulia, Balasore have been completed.



The following 21 (twenty one) no. of ROB's are in progress (1) ROB at L.C. No.CT-81 between Budhapanka -Talcher Railway station in Angul District, (2) ROB at Balugaon , Khurda District, (3) ROB at Kudiary, Jatani, Khurda District (4) ROB at L.C. No309 between Lanjipalii & Engineering School, Ganjam District (5) ROB at Titilagarh - Muribahal, Bolangir District (6) ROB at LC No.212 in between Rourkella- Panposh in Sundargarh District,(7) ROB at L.C. No.79 between Balasore-Nilagiri Road in Balasore District (8) ROB at L.C. No.80 between Balasore- Nilagiri Road in Balasore District (9) ROB at L.C. No.52 between Jaleswar-Amarda Road in Balasore District (10) ROB at L.C. No.45 between Jaleswar-Lakhamannath Road in Balasore District (11) ROB at L.C. No.JT-60 near Barpali in Baragarh District(12) ROB at LC No.178 on Cuttack- Baranga road in Cuttack District (13)ROB at LC No.174 near Tangi in Cuttack District(14) ROB at LC No.CP-2 on Puruna Jganath Sadak in Cuttack District(15)ROB at LC No.JT-25 near Khetrajpur in Sambalpur District (16) ROB at LC No.JT-26 between Jharsuguda-Titilagarh section in Sambalpur District(17)ROB at LC No.RBK-60 between Barajamda – Barbil Station in Keonjhar District(18) ROB at LC No.RBK-61 between Barajamda – Barbil Station in Keonjhar District (19)ROB at LC No.214 between Panposh – Kalunga Stations in Sundargarh District(20)ROB at LC No.222 at Rajgangpur Yard in Sundargarh District and (21) ROB at JT-1 & JT-2 near Sarbahal in Jharsuguda District.

Tender for 04 nos. of ROB's are in process & 50 nos. of ROB's are in pipeline.

There is target to complete 04 Nos. of ROB's during the year 2019-20.

(ii) FLY OVERS & UNDER PASSES:

3 No. of Fly Overs i.e. (1) Fly Over Bridge at Nayabazar, Cuttack(2) Fly over Bridge at Raj Mahal, Bhubaneswar and (3) Fly Over Bridge at Pipili have been completed. The Fly over bridge at Laxmi Talkies Square, Sambalpur is in progress.

The Department has 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.

(iii) RING ROAD CUM BYE PASSES:

Jajpur Bye Pass & Magalpur Bye Pass in Jajpur District, Bolangir Bye Pass in Bolangir District, Manamunda Bye pass in Boudh District, Kamakhyanager Bye Pass, and Kankadahada Bye Pass in Dhenkanal District, Berhampur ring road in Ganjam District have been taken up &

are in progress. There is proposal to take up of 3no. of Ring Roads such as 1) Sambalpur Ring Road, 2) Bolangir Ring Road 3) Bhawanipatna Ring road in Kalahandi district. Further there is proposal to take up 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 with an outlay of Rs.3000.00Crore with variation of 10%.
- ⇒ By the end of 2017-18, action was taken for 2-lanning of 1788.91km of State Highways with a project cost of Rs.3124.20Crore. By the end of March, 2018, 1512.73km State Highways was improved to 2-Lane Standard with expenditure of Rs.2494.21Crore.



Raj Athagarh-Narsinghpur road in Cuttack Dist. under SHDP

- ⇒ During 2018-19, there was budget provision of Rs.265.00Crore with a target complete 2-laning of further 200.00km length of State Highways. By the end of March, 2019 during 2018-19, action has been taken for 2-laning of another 166.74km of road with a cost of Rs.243.80Crore. By the end of March,2019 during 2018-19, 206.87 km length of road has been improved to 2-Lane Standard with an expenditure of Rs. 265.00Crore.
- ⇒ By the end of 2018-19, total 1955.65km length of State Highways with an estimated cost of Rs.3368.00 Crore have been taken up for improvement to 2-lane standard. Out of this,1719.60 km of road length have been completed with an expenditure of Rs.2759.21Crore.
- ⇒ During the year 2019-20, there is a budget proposal of Rs.200.00 Crore for completion of 2- lanning of 150.00 km length of State Highways.

(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 639.089Km 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 completed through PPP mode. The remaining 293.834Km of the Expressway have been taken up under this scheme & total project cost has been pegged at Rs.3630.00Crore which includes Land Acquisition Cost. Supervision consultants have been engaged for better monitoring of the project. The roads will be maintained by Works Department after expiry of defect liability period of the projects. State Cabinet has approved the Construction of Biju Expressway during 2015-16. The Project Corridor is targeted for completion by 2020.
- ⇒ By the end of March,2019, the total length of 293.834Km have been taken up.
- ⇒ By end of March,2018, expenditure of Rs.375.60Crore was made which includes cost of Land Acquisition. Road length of 52.10Km was completed by end of March, 2018.

- ⇒ During 2018-19, expenditure of Rs.123.81Crore has been made for completed/Ongoing projects including cost of Land Acquisition. Cumulative expenditure under the Scheme is Rs. 499.41 Crore by end of 2018-19.
- ⇒ By the end of 2018-19, 75.90Km of 4-lanning and 107.70Km of 2-lanning has been completed out of 293.834Km. The project corridor is targeted for operational during 2019-20.
- ⇒ During the year 2019-20, there is a budget proposal of Rs.50.00 Crore under this Scheme.



(vi) CORE ROAD NETWORK(CRN):

- ⇒ During 2017-18, there was 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 and during the year 2017-18 expenditure of Rs.16.55Crore was made with completion of 1No. Bridge & improvement of improvement of 18.40Km length of road in different stretches.

- ⇒ During 2018-19, there was budget provision of Rs.20.00 Crore under the scheme. and during year 2018-19, 3 No. of new projects. of Bridge Projects & 27.60Km road length has been taken up for improvement with a cost of Rs.58.14Crore. By the end of March,2019, during 2018-19, expenditure of Rs.18.00Crore has been made with improvement of 28.62Km of road length & completion of 2 Nos. of bridges.
- ⇒ During the year 2019-20, there is a budget proposal of Rs.25.00 Crore under the Scheme for completion of ongoing projects.



(vii) Capital Road Development Programme (CRDP):

- ⇒ 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 cost.
- ⇒ During 2017-18, there was a Budget provision of Rs.40.00Crore under this scheme. By the end of March, 2018, during 2017-18, action has been taken up for improvement of

further length of 26.71Km of road length with a cost of 107.63Crore. By the end of March,2018, during 2017-18, 7.64Km of road length was improved with an expenditure of Rs.40.00Crore.

- ⇒ During 2018-19, there was budget provision of Rs.50.00Crore under the scheme. During 2018-19, by the end of March,2019, action has been taken for improvement of further 42.05Km of Capital roads including alternate road to Jaydev Vihar-Nandankanan road , 4Nos . of Bridges & 2nos. of Foot Over Bridges with a cost of Rs.202.75Crore. By the end of March,2019 during 2018-19, expenditure of Rs.50.00Crore was made with improvement of 15.16Km of road length & completion of 2nos. of Foot Over Bridges.
- ⇒ During the year 2019-20, there is a budget proposal of Rs.50.00 Crore under the Scheme for completion of ongoing projects & to take up new projects.



(viii) State Plan(Normal):

During 2018-19, by end of March, 2019, 31 No. of Bridges, 7Nos. ROB & improvement of 857.87Km of road length have been completed with an expenditure of Rs.1161.65Crore under State Plan (Others) against the target of 23 Nos. Bridges,5 Nos. of ROBs & improvement of 530.000Km of road length.

4 nos. of Major Bridges i.e. Bridge over Gurupriya in Malkangiri District, over river Mahanadi at Nelson-Mandela Chowk in Sambalpur District, over Chitei in Balasore District & over river Kushabhadra in Khurda District have been completed during 2018-19 under EPC Mode of Contract.

During 2019-20, there is a target to complete 25 Nos. of Bridges, 4Nos. of ROBs and improvement of 800.00Km of road length.



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

State Government in the Budget, 2018-19 has provided Rs.30.00Crore in road sector 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, Construction of Habisiyali Centre and Multilevel Parking place at Puri. By the end of March, 2019, action has been taken for 4-laning of 11.66Km of road length in 4 stretches with a cost of Rs.38.17Crore.

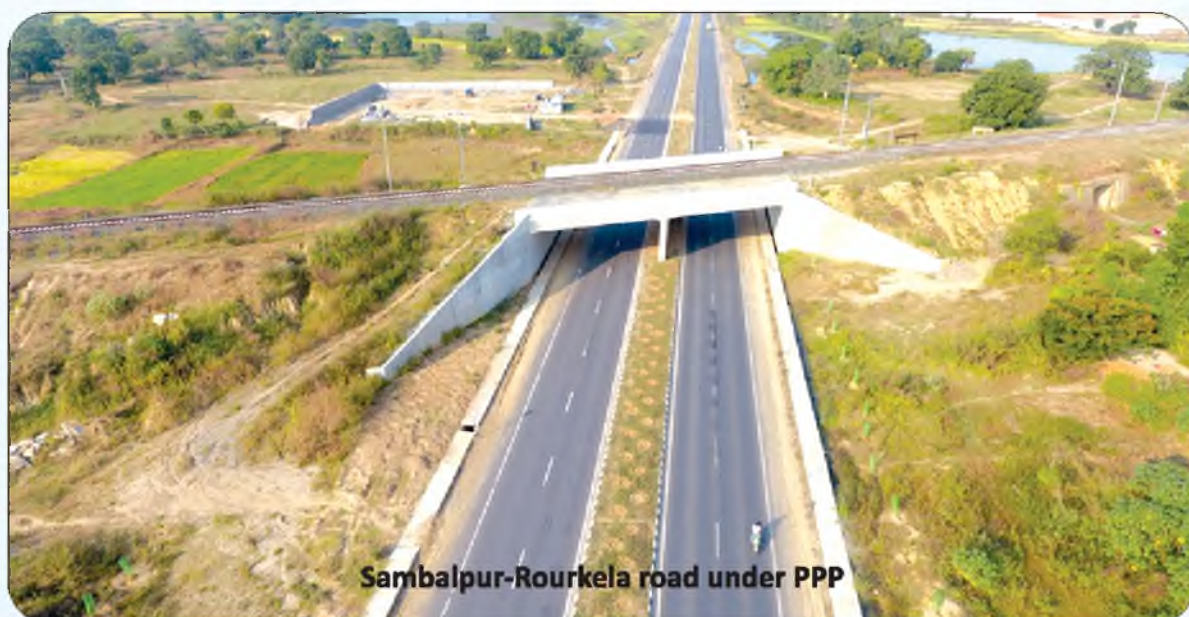
By the end of March,2019, expenditure of Rs.8.38Croree has been made under the scheme with completion of 0.30Km of road length.

During 2019-20, there is a Budget Proposal of Rs.10.00Crore under the scheme for road sector.

(x) 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 currently being executed by the PPP Developer L&T IDPL with a Total Project Cost (TPC) of Rs.1292.56 Crore, has been completed & opened to traffic. This project has been approved by the Ministry of Finance, Government of India under VGF scheme (Viability Gap Funding) wherein Government of India is to 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 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 Govt'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.

An expenditure to the tune of Rs.64.99Crore has been made by the end of March,2019 during 2018-19 for Land Acquisition, R&R, Shifting of utilities, O&M & other expenses for the PPP road sector project of Sambalpur-Rourkela road out of the budget provision of Rs.80.00Crore. There is budget proposal of Rs.65.00Crore for the year 2019-20.

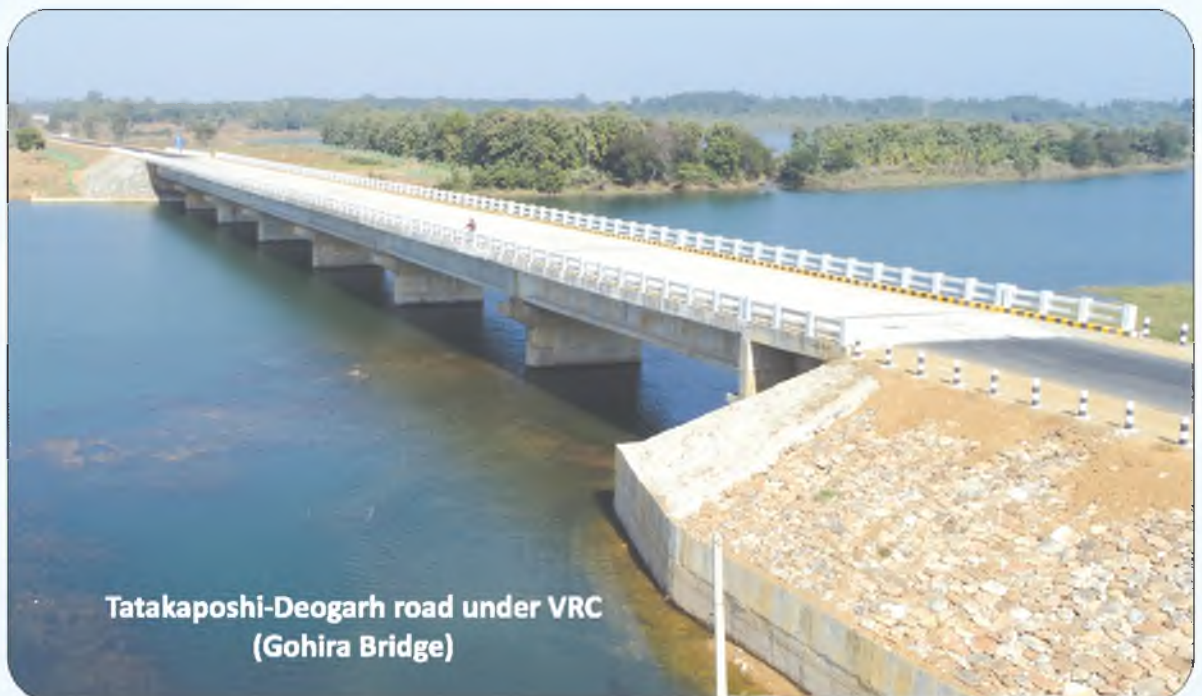
8. IMPORTANT ROAD PROJECTS/ CORRIDOR UNDER IMPLEMENTATION

a) VIJAYAWADA – RANCHI CORRIDOR (VRC):

⇒ The total length of the Corridor passing through Odisha is 1200.27Km, out of which 239.30Km of road length National Highways are 2-lane roads. Out of 960.97Km, 774.22Km 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 as out of 960.97Km of state roads under V.R.Corridor, 917.38Km

has been declared as National Highways leaving balance length of 43.59Km (Tatakposhi to Deogarh).

- ⇒ Out of 774.22Km of road executed by State R&B Wing, 746.02Km length of road have been completed with an expenditure of Rs.1288.86 Crore & 179.48Km have been improved by State NH Wing out of 186.75Km with an expenditure of Rs.429.35Crore by end of March, 2019.Thus total, 925.50Km has been completed out of 960.97Km of V.R. Corridor by the end of 2018-19.
- ⇒ It is targeted to complete the entire length of 960.97Km of V.R. Corridor in Odisha by 2019-20.



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

- ⇒ Government of India have sanctioned 14 nos. of projects for improvement of 603.02km of road length including 1 no. of Bridge over river Gurupriya with an estimated cost of Rs.985.50 crore in Left Wing Extremism affected districts of Sambalpur, Rayagada, Gajapati and Malkangiri under L.W.E Scheme, out of which, 12nos. of Projects(1 in Sambalpur , 2 in Gajapati District, 2 in Rayagada District & 7nos. in Malkangiri District)

have been completed and 2 no. of projects in Malkangiri district are in progress. By the end of March, 2019, 572.48Km of road length has been completed with an expenditure of Rs.881.67Crore.

⇒ The long-awaited construction of Bridge over Gurupriya with revised project cost of Rs.187.25 Crore has been completed in EPC Mode of contract by State Government.

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. Total 300.50 km length of km has been improved by end of March 2019 out of 304.60 km. There was Budget Provision of Rs.150.00 Crore during the year 2018–19 and 46.50 km length of road has been improved with expenditure of Rs.150.00 crore by end of March 2019.

There is a budget proposal of Rs.75.00 Crore for OSRP for the financial year 2019–20 for completion of ongoing projects.

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 2019-20 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 & 2018 for capacity building in road safety matters to 355 OWD Engineers by CRRI, New Delhi and IIT, Bhubaneswar. Appropriate actions to remove black-

spots and necessary corrective counter measures through engineering interventions are being taken up 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 2019-20. 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 2019-20.
- ◆ 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 2019-20 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, monitoring 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 2019-20 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. All training expenses are being charged to DPR and capacity building Heads of Account.

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 2019-20 shall be prepared by ORAMS. The annual condition assessment of roads is under progress.

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 2019-20. 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.

E- Office (Office Automation):

In a CMGI initiative in this F/Y 2019-20 the correspondence of all branches of Head Office Nirman Soudha is planned to be implemented in online mode to avoid delay, for effective

governance delivery, ensuring transparency. In the first stage the website has to be created, officials have also been assigned email IDs by NIC in @gov.in domain. ISAP/ HRD & Training Cell will start implementing the office automation on pilot basis preferably within the 2nd quarter of the F/Y 2019-20.

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 and the non-value-added activities of the project could be reduced successfully there by reducing the total time of completion.

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), use of Oxysilane Nano compounds to increase moisture resistance of bituminous layer besides cement stabilization in base and sub-base and use of cold bituminous mixes. The project has been sanctioned after necessary scrutiny by NRIDA and the project is being now executed adopting New Technology.

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 2018-19 was prepared and targets and achievements are indicated below.

During 2018-19, expenditure of Rs.616.29 crore was made for the above purpose against Budget provision of Rs.618.50 Crores under Revenue Expenditure.

There is Budget proposal of Rs.680.94 Crore under Revenue Expenditure for the above purpose for the year 2019-20.

Physical Target and Achievement of the year 2018-19

Sl. No	Category of road	Nature of Repair	Target for 2018-19	Achievement for the year 2018-19
1.	State Highways			
		i) Special Repair	30.00 Km	30.00 Km
		ii) Periodical Renewal	40.00 Km	28.000 km
		iii) Pothole Repair/ Routine maintenance	420.00Km	410.000 km
		iv) Repair to CD Work	CD-25 Nos	24 Nos.
2.	MDR/ODR			
		i) Improvement	240.00 km	208.000 km
		ii) Special Repair	300.00 km	296.000 km
		iii) Periodical Renewal	460.00 km	449.000 km
		iv) Pot Hole repair & Routine maintenance	5500.00 km	5306.000 km
		v) Repair to CD / small bridges	CD-305 Nos.	289 Nos.



Balangir - Arjunpur - Tusura road under Revenue Expenditure

ACTIVITIES REPORT OF 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 2018-19 speaks the entire of spectrum of all round development.

ACTIVITIES ON BUILDING WORKS FOR 2018-19

(₹. in Lakh)

Year	Scheme	Budget Allocation	Expenditure	Total Projects taken up	Completed during the Year
(1)	(2)	(3)	(4)	(5)	(6)
2018-19 (Up to 31-03-2019)	<i>SP (Works Deptt.)</i>	9500.00	9161.88813	130	75
	<i>SP (Other Deptt.)</i>	76359.45628	53718.59351	1327	431
	<i>NP</i>	40005.27	39749.76	12090	9000
	Total =	<i>125864.72628</i>	102630.24164	13547	9506



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 7 nos. New Medical Colleges at Puri, Balasore, Baripada, Bolangir, Koraput, Keonjhar and Bhawanipatana 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.



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. Construction of Habisiyali at Puri.
SD & TE	Government I.T.I. at (i) Paradeep, Jagatsinghpur, (ii) Krushna Prasad, Puri, (iii) Kantabanji, Bolangir, (iv) Bhanjanagar, Ganjam, (v) Biramaharajpur, Sonapur, (vi) Karanjia, Mayurbhanj, (vii) Rua, Puri.
H & F.W.	New Medical College at Keonjhar, Bhawanipatana, Multi-utility Complex and P.G. Hostel at Sishu Bhawan, Cuttack, Cardiac Care Hospital at Jharsuguda, D.H.H. at Kendrapara, LINAC Block at AHRCH, Cuttack.
Higher Education	Construction of 6 nos. of Model Degree Colleges at Gajapati, Koraput, Dhenkanal, Kandhamala, Kalahandi, Kantabanji.
School & Mass Education	Construction of 23 nos. of Adarsh Vidyalaya. Construction of Second Sainik School at Sambalpur, D.I.E.T. & D.R.C. Building in the State.
Revenue	New Collectorate buildings at Gajapati, Boudh, Jajpur, Deogarh.
	New Circuit House at Deogarh, Keonjhar, Boudh, Sundargarh, Gopalpur, Nuapada, Sambalpur.
Home	Judicial Court Building at Bhubaneswar.
H & U.D.	Construction of Bus Stand at Balasore.
Transport	Construction of R.T.O. Office-II at Bhubaneswar. R.T.O. office at Deogarh, Nuapada, Sambalpur, Jajpur.
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 2017-18 is 9850763 sqm. (both Res. & Non-res) and undergo a substantial increase in the subsequent year i.e. 2018-19 totaling to 10343301 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.

J.M.F.C Court Building at Kotpad under State Plan



**ACTIVITY REPORT OF NATIONAL HIGHWAYS ORGANISATION
FOR THE YEAR 2018-19**

Organization: 22 Nos of National Highways measuring of 4848.058 km in length traversed through the state of Odisha. Out of 4848.058 km of total length of National Highways in Odisha, 2946.171 km is under the control of NH wing of State PWD, 1901.887 km have been transferred to National Highways Authority of India.

Present lane configuration of NHs is given below

- (a) Single Lane: 133.420 km.
- (b) Intermediate Lane : 58.300 km
- (c) Double lane with paved shoulder : 1232.791 Km
- (d) Double Lane : 1481.690 km (Length includes work completed and in progress)
- (e) Four Lane : 37.450 km
- (f) Multi Lane : 2.520 km

1. FINANCIAL ACHIEVEMENT DURING 2018-19(As on End of March-2019)

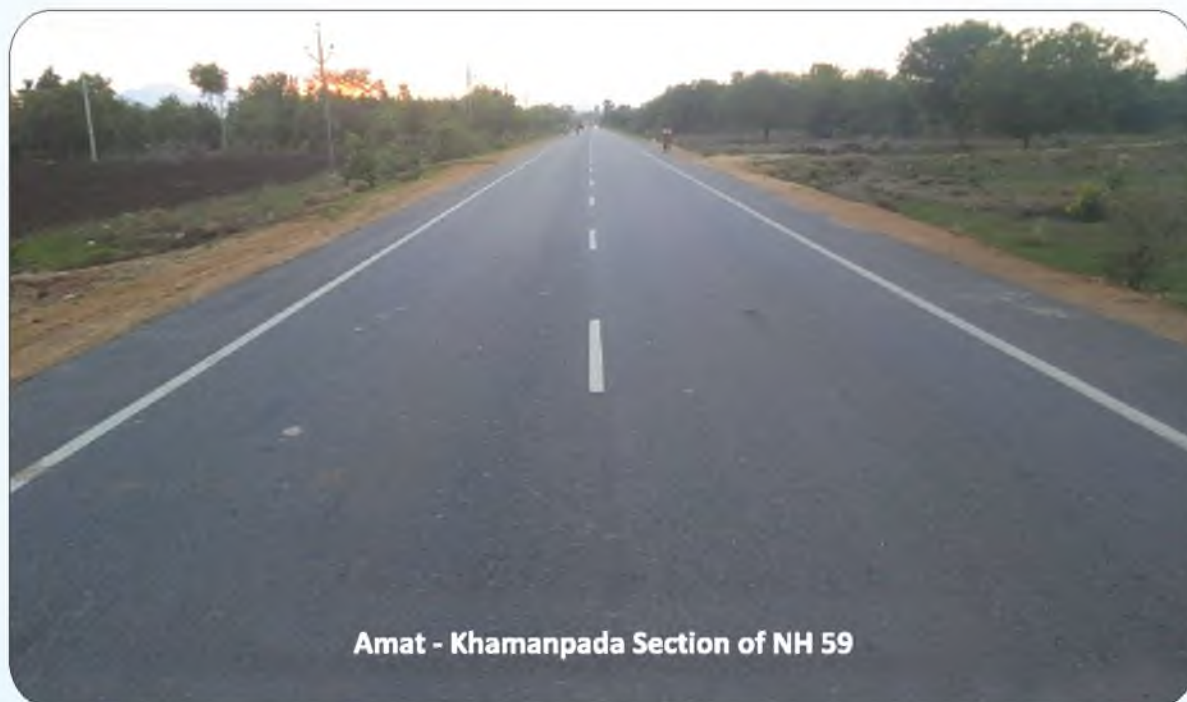
Head of account	Allocation Rs in Cr	Expenditure Rs in Cr
NH(O)	645.69	645.69
Periodical Renewal	1.00	0.83
Ordinary Repair	38.00	38.00
FDR	4.24	2.43
NHDP-IV	59.78	59.78
EAP (NHIP)	95.00	68.45
VR Corridor	105.00	105.00
State Plan	13.21	13.21

2. PHYSICAL ACHIEVEMENT DURING 2018-19(As on End of March-2019)

Widening to two Lane	355.610 km
Construction of Bridge (Nos)	3 Nos
Periodical Renewal in km	0 km
Special Repair (State Plan)	40 km

3. IMPROVEMENT OF NH UNDER EXTRA BUDGETORY SUPPORT : Improvement 477 km length of single/intermediate/Double lane NHs were taken up for improvement to two lane with paved shoulder under NHIP, NHDP and VRC. Present position of the works is given below.

Sl. No.	Scheme	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 completed
2.	NHIIP	201	26	Nabrangpur to Koksara	55	197.35	Work completed
3.	NHIIP	217	353 59	Nuapada to Bango Munda	68	148.67	58.87 km completed and balance work in progress
4	NHDP	200	49	Kanaktora to Jharsuguda	68	319.80	Work completed
5	NHDP	23	149	Palhara to Pitri	68	342.05	67.32 km completed and balance work in progress
6	VRC	-	326	Koraput-Laxmipur-Rayagada	71	222.79	Completed
7	VRC	-	326	Malkanagiri-Motu	86	268.79	84.60 km completed.
				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.10.00 crore under “Special Repair head” during 2018-19 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.

1. BY Pass near Koraput on NH 26.
2. By Pass near Borigumma on NH 26
3. By Pass Jeypur on NH 26.
4. BY Pass cum ROB near Berhampur on NH 59
5. By Pass cum ROB near Bolangir on NH 57.
6. By Pass cum ROB near Titilagarh on NH 59.
7. BY Pass near Nabarangpour on NH 26
8. By-Pass near Bhawanipatna on NH 26
9. By-Pass near Jharsuguda on NH 49
10. By-pass near Kotpad on NH 63
11. By-Pass near Nayagarh on NH 57
12. By-Pass near Khordha on NH 57
13. By-Pass near Sonapur on NH 57
14. By-Pass near Reamal on NH 53

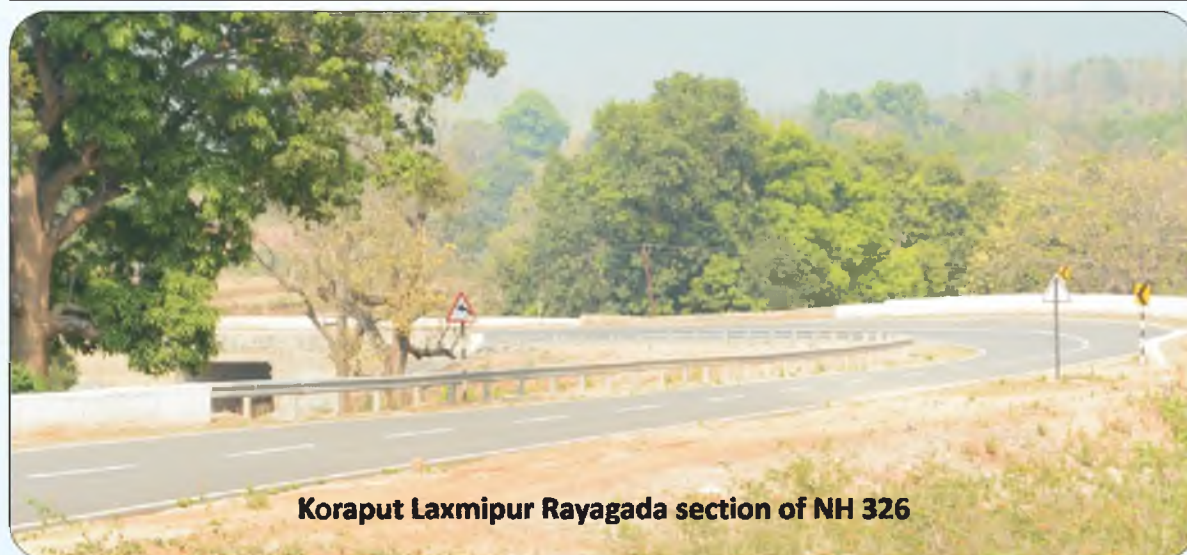
- ◆ Construction of Belpahar By-Pass cum ROB has been completed and opened to traffic.
- ◆ Land Acquisition is required for the entire above project.
- ◆ Land Acquisition for Berhampur, Balangir and Titilagarh By-Pass are in advance stage of completion.
- ◆ Estimate for construction of By-Pass shall be forward to Ministry after 90% land is available.
- ◆ Land Acquisition for remaining 11 projects are at different stage

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. 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. Consultants have been engaged for preparation of DPR and under finalization by Government of India.

SI No	Route	Length in km	Position of DPR
1	Palasa-Paralakhemundi-Ramanguda-Bisamkatak-Muniguda-Bhabanipatana-Karaiar-Bangomunda-Patnagarh-Padmapur-Chhatishgarh Border	400	Alignment Approved from Palasa to Bhawanipatna
2	Naranpur (Keonjhar)- Kaliahata-Kankadahada-Kamakhyanagar	100	Alignment approved
3	Kendrapada-Chandabali-Dhamara-Bhadrak	110	Alignment Approved
4	Badakera (Angul)-Hindol-Gania-Daspalla-Bhanjanagar	120	Alignment to be approved
5	Jankia-Chandpur on NH 316	40	Alignment to be approved
6	Balangir-Patnagarh-Khaprakhol-Udyan Bandh	130	Alignment approved
7	JH/Odisha border to Dhabaleswar on NH 143 via Jareikela	36.7	Alignment to be approved
8	JH/Odisha border to Singada NH 49 via Raruan	17.3	Alignment to be approved
9	Bhubaneswar-Athagarh-Samarpur-Majdherapur (Madidharapur)	115	Alignment to be approved
10	Digapahandi-(NH 326) to Haridakhandi (NH 59)	25	Alignment approved
11	Jharsuguda-(NH 49) –Karamdih-Subdega-Balishankara- up to junction with NH 43 near Ludang (Odisha =77)	77	Alignment to be approved
12	Khalikote-Kodala-Budhamba-Boirani-Koinfnulia-Aska	52	Alignment to be approved
	Total	1223	



Koraput Laxmipur Rayagada section of NH 326

ACTIVITIES OF DIRECTORATE OF DESIGNS, FOR THE YEAR 2018-19.

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/RUB's & Roads. Besides, in EPC mode of contracts, all detailed structural designs of Bridges & ROB's, submitted by the agency after vetting from the Safety & Proof consultant are approved by this Directorate and issued for execution until Authority Engineer for the individual projects is appointed.

Bridges

During the year 2018-19, General Arrangement Drawings of more than 200 Nos of High Level Bridges over rivers which includes river Brahamani at Alapua Ghat, Brahamani at Kamakhyanagar, Gobari at Kendrapara Ong at Bargarh, Subarnrekha near Pontai in Balasore, Brahamani at Nilakanthapur, IB near Jamara in Jharsuguda and flyovers/ ROB in major projects such as Bankibahal- Bhedabahal coal corridor in Sundargarh, Tamka- Mangapur corridor in Jajpur including ongoing ROB's 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 2018-19 more than 320 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 financial year 2018-19 are furnished below

- ◆ EVM, VVPAT storage go-down at different districts
- ◆ R.T.O office building at Talcher
- ◆ ARTS block of Autonomous College at Talcher
- ◆ 30 bedded MCH at SDH, Pallahara in the dist of Angul
- ◆ 200 seated Girls Hostel for Govt auto College, Dhenkanal
- ◆ 500 seated Auditorium Building at ITI Talcher
- ◆ Rogi Sahayak Niwas inside SCB Medical College & Hospital, Cuttack
- ◆ Drug Registrant T.B Centre Building in the Department of Pulmonary Medicine in SCB Medical College & Hospital, Cuttack
- ◆ Academic block of Madhusudan ITI at B.O.S.E Campus, Cuttack

- ◆ **New Science Block (G+5) at Sailabala Women's College Cuttack**
- ◆ **2nd annex building of High court of Odisha, Cuttack**
- ◆ **400 seated Ladies hostel for Sailabala Women's College, Cuttack**
- ◆ **Academic-cum-workshop building of Govt I.T.I.at Paradeep, Bhanjanagar, Kantabanji, Birmaharajpur**
- ◆ **Addition and alteration of the office building of R.T.O. Bhubaneswar-1**
- ◆ **100 bedded working Women's Hostel at Ganganagar Unit-6 Bhubaneswar**
- ◆ **Hostel Building at Institute of Mathematics and application Andharua Bhubaneswar**
- ◆ **Panchayat Samiti office Building at Brahmagiri in Dist of Puri**
- ◆ **Tribal Skill Development center at Jajpur**
- ◆ **163 bedded ward and 10 bedded ICU Trauma care & Administrative office in City Hospital, Berhampur**
- ◆ **Academic Block Building (New) of K.K. University at Berhampur**
- ◆ **200 seated Boys Hostel Building for ITI in the dist of Rayagada**
- ◆ **30 bedded Drug-De-addiction centre at MKCG campus, Berhampur**
- ◆ **50 bedded MCH building at Sonepur**
- ◆ **30bedded New C.H.C. building at Umerkote in the dist of Nabarangapur under NHM**
- ◆ **JFMC Court building at Ranpur, Nayagarh**
- ◆ **Auditorium, Indoor Hall, Sports Complex, Guest House, Infirmary Building for 2nd Sainik School Campus at Sambalpur**
- ◆ **New court building for civil judge, Senior division-cum-assistant session judge at Nabarangpur**

Raman Science block (G+6) BJB (Auto) College.



ACTIVITY REPORT OF STATE PROCUREMENT CELL

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. Preparation of draft office memorandum for e-Procurement.
8. Single window Technical support for all Departments & PSUs.
9. Validation of bidders' profile.
10. Blocking of defaulting bidders profile to debar from participation of tender.
11. 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 2018-19.

In a high-level meeting under the Chairmanship of Chief Secretary, Odisha on 20.11.2017 it has been decided to implement online receipt of Tender Paper Cost and EMD for all Departments latest by 11.12.2017. Again, it was decided that Works Department will carry forward the Contractor Database Management System.

◆ **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 01.04.2018 to 31.03.2019

◆ No. of tenders published	:	41427
◆ Value of tenders published	:	51594.31 crores
◆ No of portal registration validated/authenticated	:	14181
◆ No. of officers trained	:	61
◆ No. of bidders trained	:	38
◆ No. of bidders profile blocked	:	23
◆ No. of bidders profile unblocked	:	13
◆ No. of Contractors online Registered in CDMS	:	25525
◆ No. of application approved in CDMS	:	19021
◆ No. of 8 digit code issued in CDMS	:	19018



**Twin 300 seated women's hostel
for MPC Junior College at Baripada under State Plan**

ACTIVITY REPORT OF ARCHITECT WING FOR THE YEAR 2018-19

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 2018-19 up to March'2019, architectural drawings for 43 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 2018-19

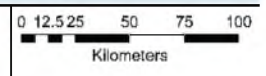
- 1 Proposed Gateway complex for Sainik School, Sambalpur.
- 2 Proposed Academic-cum-Workshop building for ITI, Krushnaprasad Block, Puri.
- 3 Proposed construction of ANM Training Centre at Malkanagiri.
- 4 Furniture layout for Raman Science Block of BJB Junior College, Bhubaneswar.
- 5 Proposed Library of Malkanagiri College, Malkanagiri.
- 6 Proposed Construction of Transit house at Malkanagiri MV-79 & Mathill.
- 7 Proposed D type staff quarters (Stilt+three) for Cooperation Department, Dhenkanal.
- 8 Proposed Architectural plan for construction of EVM & VVPAT Storage godown at Sambalpur.
- 9 Proposed construction of ANM Training Centre at Parlakhemundi.
- 10 Proposed observation home & special home at Malkanagiri.
- 11 Proposed Auditorium for Dr. AC Homeopathic Medical College & Hospital in Unit-III, Bhubaneswar.
- 12 Proposed multi purpose complex (shop-cum-residences, canteen, post office, bank & ATM for Sainik School, Sambalpur.
- 13 Proposed new sub-judge court building & garage/canteen at Athagarh.
- 14 Proposed Sub Collector Office, DRDA Office & Zilla Parisada Bhawan at Sonepur, Subarnapur.
- 15 Proposed JMFC Court building (single storied) Model plan.
- 16 Proposed Revenue Inspector Training Institute at Jeypore, Koraput (layout plan).

- 17 Proposed model plan for construction of District Court building.
- 18 Proposed new PWD Inspection Bungalow at Sirsa.
- 19 Proposed new PWD Inspection Bungalow at Raruan.
- 20 Proposed landscaping of space adjoining new district Court building at Nayagarh. (layout plan).
- 21 Proposed building plan of OPD & IPD complex at Sub-Divisional Hospital at Gunupur, Nayagarh.
- 22 Proposed in patient Department block for Sub-Division Hospital, Baliguda.
- 23 Proposed construction of Computer Science Honours Department of Auto College, Dhenkanal.
- 24 Proposed District Headquarters Hospital at Jeypore.
- 25 Proposed new Collectorate building at Koraput.
- 26 Proposed 100 bedded MCH complex at DHH Jagatsinghpur.
- 27 Proposed Office building for Directorate of Local Fund Audit, Odisha.
- 28 Proposed Utkalmani Homeopathic Medical College & Hospital (50 bedded) at Rourkela.
- 29 Proposed Transit House at Nayagarh.
- 30 Proposed Landscaping space adjoining new District Court building at Nayagarh.
- 31 Proposed Canteen-cum-Bar Association Hall of District Court building at Nayagarh.
- 32 Proposed third floor plan of the multi-storeyed building of SP Vigilance Office, Bhubaneswar
- 33 Proposed Senior Judge Quarter for JMFC Court building at Dhenkanal.
- 34 Proposed Transit house for JMFC Court building at Dhenkanal.
- 35 Proposed type plan for 100 seated hostel (boys & girls) at Sonapur.
- 36 Proposed District Headquarters Hospital at Sonapur.
- 37 Model School (Odisha Adarsha Vidyalaya) at Dunguripalli, Sonapur.
- 38 Proposed model plan of 50 seated gents/ladies hostel for skill development centre.
- 39 Proposed Canteen-cum-Bar Association Hall of District Court building at Nayagarh.
- 40 Proposed Court Guest house at Puri.
- 41 Proposed JMFC Court & Canteen-cum-Bar Association Building at Sheragada, (site plan) Ganjam.
- 42 Proposed model plan of 100 seated boys hostel for Skill development Centre (model plan).
- 43 Proposed Auditorium for Odisha Adarsha Vidyalaya (model school) at Sonapur, Balangir, Odisha.





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



Legend	
Roads	
Expressway	— (thick black line)
National Highway (NH)	— (red line)
State Highway (SH)	— (blue line)
Major District Road (MDR)	— (green line)
Other District Road (ODR)	— (brown line)
New ODR	— (purple line)
Vijaywada Ranchi Corridor	— (thick red line)
Biju Corridor	— (pink line)
District Headquarters	• (red dot)
Other towns	• (black dot)
River	— (blue wavy line)