

Administration Report of the Public Works Department in the Bombay Presidency for the Year 1935-36

With a detailed review of the Civil and Military
Works

BOMBAY PRINTED AT THE GOVERNMENT CENTRAL PRESS 1939

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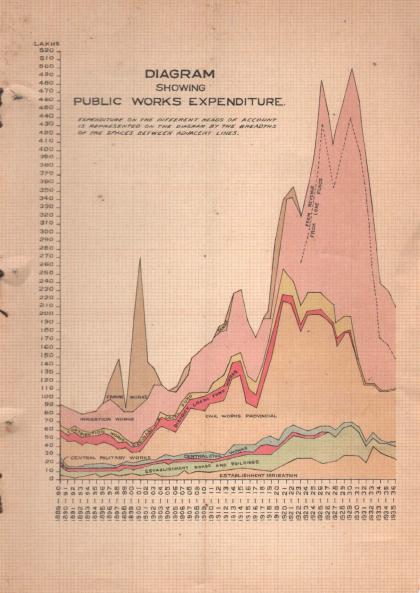
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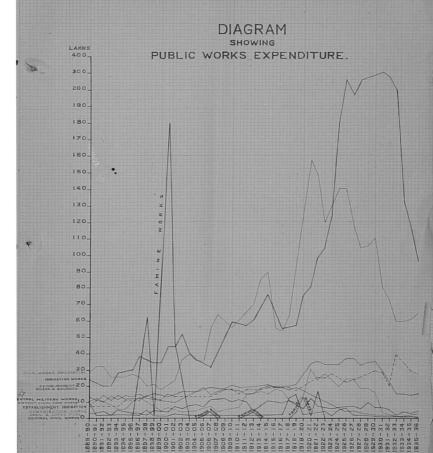
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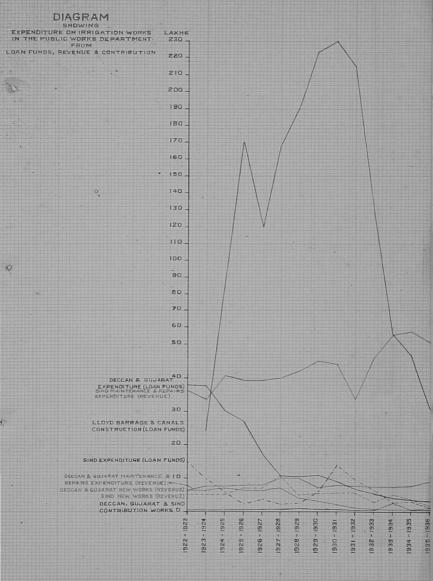


DIAGRAM SHOWING EXPENDITURE ON D.L.B. ROADS IN THE PRESIDENCY PROPER

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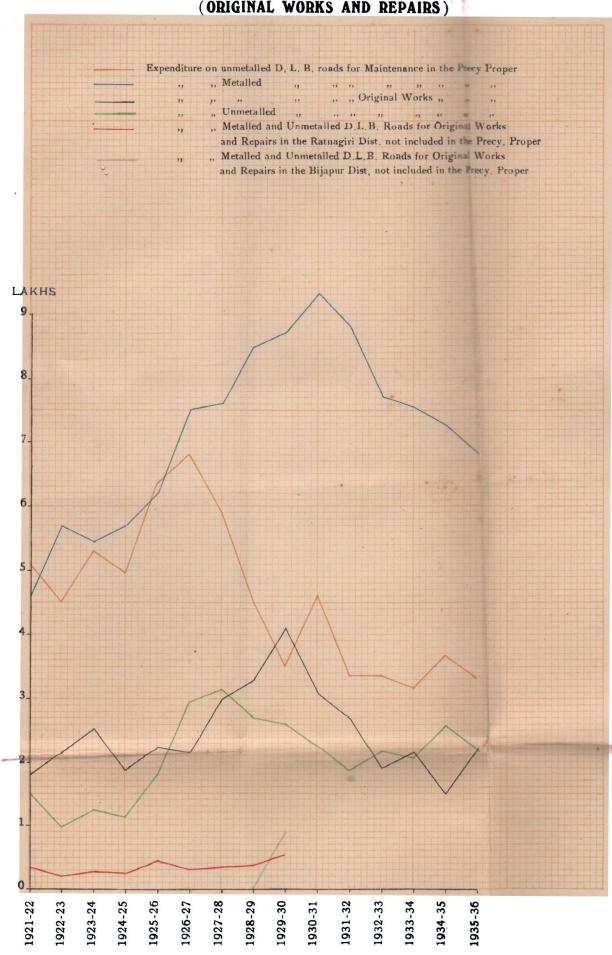


DIAGRAM SHOWING EXPENDITURE ON PROVINCIAL BUILDINGS AND ROADS IN THE PRESIDENCY PROPER

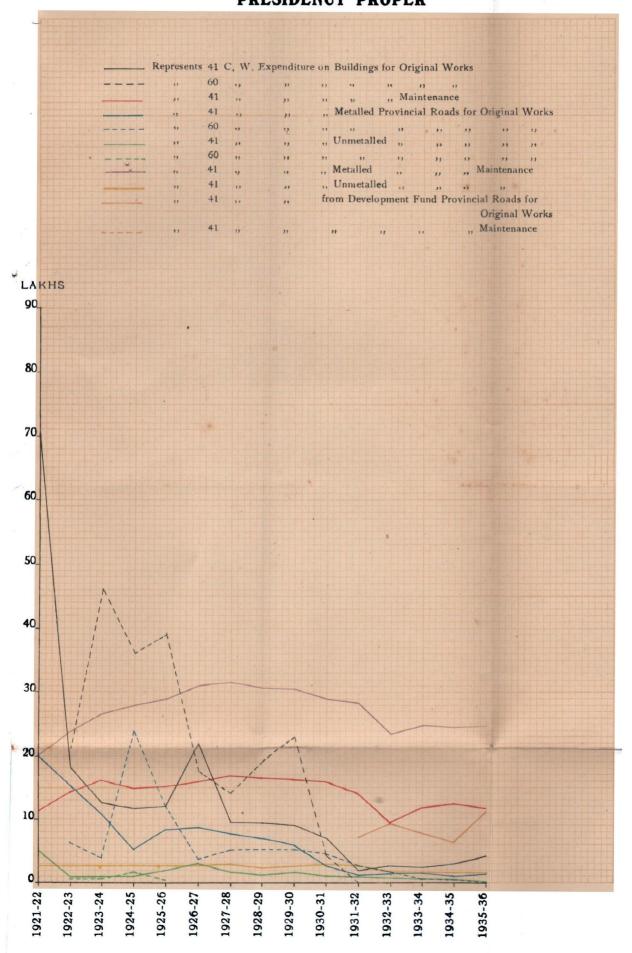
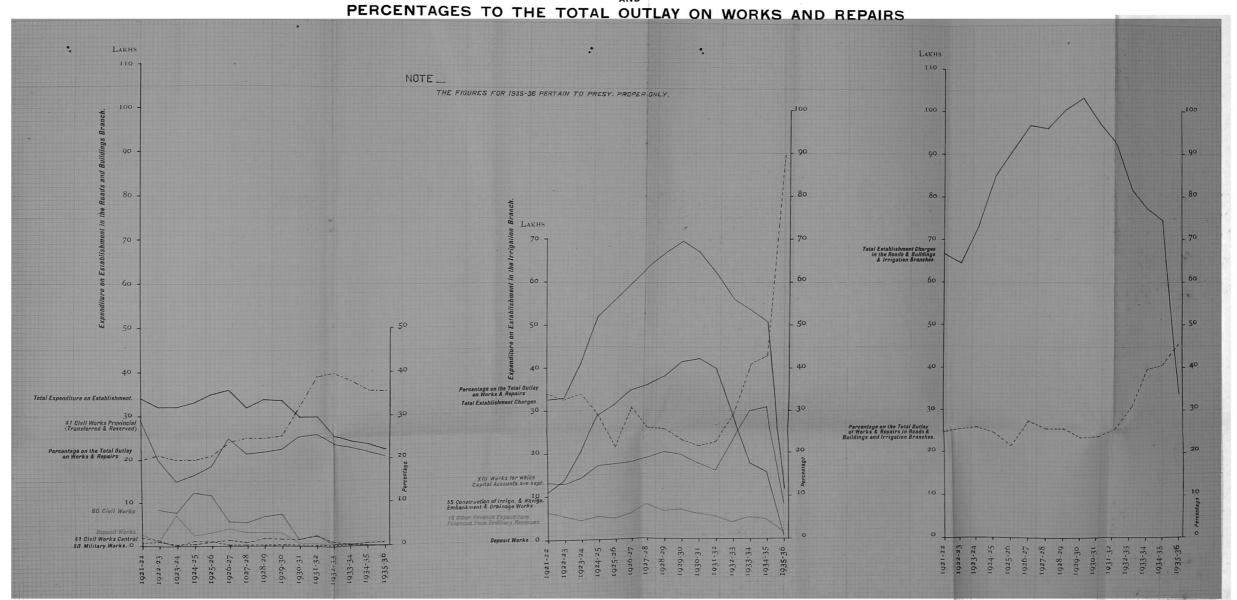


DIAGRAM SHOWING EXPENDITURE ON ESTABLISHMENT

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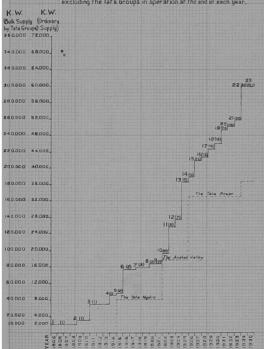
PUBLIC WORKS DEPARTMENT



Govt. Photozincographic Bapt, Poona, 1937.

GRAPH SHOWING THE PROGRESS OF ELECTRICAL DEVELOPMENT IN TERMS OF KILOWATTS INSTALLED FROM 1905 TO DATE BY VARIOUS SUPPLY COMPANIES IN THE BOMBAY PRESIDENCY.

NOTE Dotted line shows Tata Broups Bulk Power Supply
Full line shows total of ordinary Supply
Figures in Brackets, thus (4) show the number of Companies,
excluding the Tata Groups in aperation at the end of each year.



| INCR | EAS | E | | DUE | TO |
|--|--|---|---|---|---|
| Incre.or decre of load old Supply CO | | | Rel | Incre.or decre of load old Supply C | Start of NewSuppli |
| | Bombay El.S | 7. | | Bombay El.S.I | Bulsar |
| Bombay El . S.T. | | 1 | | B'bay Suburn | Yeola Barama Barsi |
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| Bombay El. S.T. | | 1 | 21 | Lonavla | |
| | Ahmedabad | | | | |
| Bombay El. S.T. | | | | Hubli | 1 |
| Ahmedabad | Poona | | | Marheran | |
| Ahmedabad Poona | | | - | B'bay Suburn Bhiwandi | Khopoli |
| | | | | | Haveri Bagalkot |
| Bombay El . S.T. Poon a | Surat | | | Surat Sholapur | Dayaikui |
| Bombay Et . ST. Ahmedabad Poona | Godhra | | 22 | Panchgani Bijapur | |
| Ahmedabad Poona | Broach Gadag and Beligeri. | | | Matheran Panvel (Reduction | |
| Bombay E1. S.T. Ahmedabad Poona | Sholapur | | | Bulsar B'bay El.S.T. | Bassein |
| Poona Broach | Rander | | | B'bay Suburn Kalyan Bhiwandi | Satara Malegaon Viramqaur |
| Bombay El. S.T. Poona Surat | Bhiwandi Hubli | | | Belgaum | Sannamner |
| Surat | B'bay Suburn | | | Pandharpur | |
| BombayEI.S.T. Surat Broach B'bay Suburn | Lonavla Khandala Kalyan Bijapur | | | Bijapur - "- Nadiad _ "- | |
| Poona Rander B'bay Suburn | Panvel Dharwar | | | | |
| Bombay El. S.T. B'bay Suburn Bhiwandi Ahmedabad Godhra | Pandharpur Panchgani Matheran Jalgaon | | | | |
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B'bay Suburn Dhulia Kalyan Ahmedn Rander Amaln

20 Pandharpur

Bijapur Matheran

Ahmednagan Amalner

Nadiad

Belgaum

Electrical Engineer to Govt. P.W. D. Bambay.

G. R Z. O. POONA, 1937.

PUBLIC WORKS DEPARTMENT.

BOMBAY PRESIDENCY.

ADMINISTRATION REPORT WITH A DETAILED REVIEW OF THE CIVIL AND MILITARY WORKS FOR 1935-36.

I-DIRECTION.

During the Fear under report Mr. C. M. Lane, C&S.I., I.S.E., continued as Chief Engineer and Secretary to Government till 8th February 1936, on which date he proceeded on leave preparatory to retirement and Mr. T. A. Andrew, B.Sc. (Eng.) Glas., I.S.E., on return from leave, was appointed to succeed him from that date.

· II—ADMINISTRATIVE MEASURES.

- Mr. W. L. C. Trench, B.A.I. (Dub.), M.Inst.C.E., I.S.E., was confirmed as Chief Engineer permanent, with effect from 17th June 1935, vice Sir Charlton Harrison, Kt., C.I.E., M.I.E. (Ind.), I.S.E., Chief Engineer, retired.
- Mr. T. A. Andrew, B.Sc. (Eng.) Glas., I.S.E., was confirmed as Chief Engineer permanent, with effect from 8th February 1936 in the vacancy caused by Mr. C. M. Lane, C.S.I., I.S.E., Chief Engineer, proceeding on leave preparatory to retirement.
- Mr. S. B. Tyabji, A.M.Inst.C.E., M.I.E. (Ind.), I.S.E., was confirmed as Superintending Engineer permanent, with effect from 17th June 1935, vice Mr. Trench confirmed as Chief Engineer.
- Mr. A. Gordon, B.Sc. (Eng.), Glas., I.S.E., was appointed Superintending Engineer, provisionally permanent, with effect from 3rd December 1934, vice Col. D. S. Johnston, C.I.E., R.E., I.S.E., Superintending Engineer permanent, in foreign service, and was confirmed as Superintending Engineer permanent, with effect from 27th September 1935, vice Mr. S. C. Mould, C.I.E., B.A. (Cantab.), I.S.E., Superintending Engineer retired.
- Mr. E. P. Watson, M.Inst.C.E., I.S.E., was appointed Superintending Engineer provisionally permanent, with effect from 27th September 1935, vice Mr. Gordon confirmed as Superintending Engineer permanent and was confirmed as Superintending Engineer permanent, with effect from 8th February 1936, vice Mr. Andrew, confirmed as Chief Engineer.

One graduate from the College of Engineering, Poona, was appointed as a Candidate in the Bombay Service of Engineers,

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III—TERRITORIAL CHANGES.

The following temporary Sub-divisions were made permanent with retrospective effect from 13th November 1934:—

| Name of Division. | Name of Sub-division. | Head-quarters of Sub-division. | |
|------------------------------------|---|---|--|
| Nira Right Bank Canal Division. | 1. Malsiras 2. Mohod 3. Velapur 4. Phaltan | Malsiras. Mohod. Velapur. Phaltan. | |
| Irrigation Research Division. | Kopargaon Research Hydrodynamic Research | Poona. Malegaon Colony. | |
| Poona Irrigation Division . | Old Bhatgar now known as Vir Sub-division. | Nira. | |

The combined Godhra Sub-division of the Kaira and Panch Mahals Division was continued for a further period of two years with effect from 13th November 1934.

The Math-Kasal Road, measuring 19 miles and 5 furlongs, including the masonry works thereon, was retransferred from the Ratnagiri Division to the Belgaum Division with effect from 1st April 1935.

The Loni Section comprising the Mutha Right Bank Canal was transferred from Distributary 7 to Distributary 16 with effect from 1st April 1935.

The Poona-Sholapur Road from mile 6 to mile 20 was transferred from the Mutha Canals Sub-division to the Minor Tanks Sub-division with effect from 1st April 1935.

The Baramati-Diksal Road was transferred from the Baramati Subdivision to Minor Tanks Sub-division with effect from 1st April 1935.

The head-quarters of the Rajapur Sub-division in the Ratnagiri Division which were temporarily fixed at Kankavli were retransferred to Rajapur with effect from 1st December 1935.

The Northern Branch Section of the Pravara Left Bank Canal was transferred from Khandala Sub-division to Vadala Sub-division in January 1936.

Water courses Nos. 32, 33 and 34 of the Pravara Left Bank Canal were transferred from Vadala Sub-division to Khandala Sub-division in January 1936.

The head-quarters of the Thana Sanitary and Salsette Water Supply Sub-division of the Thana Division were transferred from Santa Cruz to Vile Parle in January 1936,

Miscellaneous.

The services of Mr. H. W. Oddin Taylor, A.C.G.I., B.Sc., A.M.Inst.C. E., O.B.E., I.S.E., Executive Engineer, were placed at the disposal of the Administration of British Baluchistan for employment as Superintending Engineer for Irrigation and Civil Works for a period of one year with effect from 25th June 1935.

The period of the loan of the services of Rao Bahadur B. L. Modak, M.C.E., A.M.I.C.E., A.M.I.E.(Ind.), I.S.E., Executive Engineer, to the Indore State, was further extended up to 15th August 1937.

The services of Mr. F. O. J. Roose, M.I.Mech.E., M.I.E.E., F.C.S., Electrical Engineer to Government, were retained on public grounds for one year from 22nd July 1935 on which date he attained the age of 55 years.

Under section 36 of the Indian Electricity Act, 1910, the Engineer, Government Central Distillery, Nasik Road, was appointed an Electrical Inspector and he performed the functions of the Electrical Inspector under the said Act within the area occupied by the Government Central Distillery, Nasik Road.

The appointment of Mr. E. C. Henriques, Chartered Architect, as parttime Architectural Adviser to Government was further continued until further orders.

IV-DETAILED REVIEW.

A. CIVIL BUILDINGS.

During the year under review the Roads and Buildings Branch of the Public Works Department of the Presidency (including Sind) executed works involving a total expenditure of Rs. 1,06,93,910. Important details of expenditure in the Presidency Proper under the various heads are given below:—

Central Services.

| Customs- | | | | Rs. |
|------------|-------|---------|-------|----------|
| On Works | | | . 4-5 | 5,167 |
| On Repairs | . • • | * . • • | •• | 34,325 |
| | | То | tal | 39,492 |
| Salt— | | | | |
| On Works | .1. | | . •-• | 73,836 |
| On Repairs | .** | , •-• | *** | 1,10,915 |
| | | · To | tal | 1 84 751 |

| | | 4 | | | |
|--|-----------------|---------------|----------------|----------|---|
| Ecclesiastical— | | | | | R_{s} . |
| On Works | •• | •• | | •• | 1,749 |
| On Repairs | | •• | ••• | •• | 25,268 |
| | | | Total | | 27,017 |
| Political— | | | • | | |
| On Works | | •• . | | | 177 |
| On Repairs | | | •• | ٠ | 510 |
| | | | Total | | 687 |
| Scientific Depar | rtments | (Meteorolog | ical)— | | |
| On Works | | • | | . | 1,611 |
| On Repairs | •• | •• | •• | | 4,176 |
| | | | Total | | 5,787 |
| Public Health- | - | | | | |
| A 3:4 | f T | | _ | | |
| An expendit | ure or r | (s. 554 was 1 | ncurred on rep | airs. | |
| Mint— | ure or r | (s. 554 was 1 | ncurred on rej | pairs. | Rs. |
| - | ure or r | (s. 554 was 1 | ncurred on re | oairs. | |
| Mint— | ure of F | 68. 554 was 1 | ncurred on re | oairs. | 1,700 |
| Mint— On Works | •• | | ncurred on rej | oairs. | Rs. 1,700 12,000 13,700 |
| Mint— On Works | •• | | | | 1,700 12,000 |
| Mint— On Works On Repairs | •• | | | | 1,700 12,000 |
| Mint— On Works On Repairs | •• | | | | 1,700 12,000 13,700 |
| Mint— On Works On Repairs Currency— On Works On Repairs | | (S. 554 was 1 | | | 1,700 12,000 13,700 |
| Mint— On Works On Repairs Currency— On Works | • | : : | Total | | 1,700 12,000 13,700 |
| Mint— On Works On Repairs Currency— On Works On Repairs | | : : | Total | | 1,700 12,000 13,700 584 584 |
| Mint— On Works On Repairs Currency— On Works On Repairs Posts and Tele | ··· ·· graphs— | : : | Total | | 1,700 12,000 |
| Mint— On Works On Repairs Currency— On Works On Repairs Posts and Tele On Works | graphs— | : : | Total | | 1,700 12,000 13,700 584 584 42,278 92,698 |
| Mint— On Works On Repairs Currency— On Works On Repairs Posts and Tele On Works | graphs— | : : | Total Total | | 1,700 12,000 13,700 584 584 42,278 92,698 |
| Mint— On Works On Repairs Currency— On Works On Repairs Posts and Tele On Works On Repairs | graphs— | : : | Total Total | | 1,700 12,000 13,700 584 584 42,278 92,698 |
| Mint— On Works On Repairs Currency— On Works On Repairs Posts and Tele On Works On Repairs | graphs— | : : | Total Total | | 1,700 12,000 13,700 584 584 |

Military Works-

Under this head an expenditure of Rs. 4,464 was incurred on repairs.

Civil Aviation—

An expenditure of Rs. 3,272 was incurred on repairs under this head.

During the year under review quarters for the Post Master, Ahmednagar, in the compound of the Head Post Office at Ahmednagar were constructed at a cost of Rs. 5,691. The Post Office at Khanapur in the Belgaum Division was also completed at a cost of Rs. 8,111. The work of constructing a bungalow for the Assistant Collector of Salt Revenue and quarters for 5 Customs Inspectors and one Appraiser at Viramgam was in progress. A sum of Rs. 17,000 was spent in purchasing the American Mission Bungalow at Ratnagiri for the residence of the Assistant Collector of Salt Revenue.

| • | | Provincio | ıl Services. | | |
|---------------|-----|-----------|--------------|-----|--------|
| Land Revenue- | _ | | | | Rs. |
| On Works | | | | | 1,344 |
| On Repairs | | •• | •• | | 4,088 |
| | | • | То | tal | 5,432 |
| Excise— | • | | | | |
| On Works | • • | •• | •• | • • | 29,796 |
| On Repairs | •• | • • | •• | •• | 20,751 |
| | | | To | tal | 50,547 |

The work of constructing a new liquor warehouse near Poona Railway Station estimated to cost Rs. 40,164 was in progress. The expenditure during the year amounted to Rs. 20,890.

| Forests— | | | | | Rs. |
|---------------|----------|--------------|---------|-------|----------|
| On Works | | | | ••• | 1,114 |
| On Repairs | •• | •• | •• | •• | 4,172 |
| | | * | | Total | 5,286 |
| Registration- | | | | | |
| On Works | •• | •• | •• | ** | 253 |
| On Repairs | • • | | •.• | | 152 |
| | | | | Total | 405 |
| General Admin | istratio | ı— | | - | |
| (1) Residenc | es for H | leads of Pro | vinces— | | |
| On Wor | | | | •• | 48,904 |
| On Rep | airs | | | | 1,93,549 |
| | | | • | Total | 2,42,453 |

| (2) Residence | • | | | | |
|--|-----------------------------------|---|--|--|--|
| On Repair | 8 | •• | •• | •• | 5,314 |
| (3) Provincia | ıl Legisl | ative Counci | ls | | |
| On Works | | | | | 744 |
| On Repair | | •• | •• | •• | 13,248 |
| | | | T | otal | 13,992 |
| An expenditur | e of Rs. | . 933 was in | curred on | repairs to | residences. |
| (4) Secretario | at and E | Leadquarters | Establishn | nent- | Rs. |
| On Works | | · | •• | • • | 3,562 |
| On Repair | 18 | •• | •• | | · 12,595 |
| | | | T | otal | 16,157 |
| (5) Commiss | ioners a | nd District (| Officers | - • | |
| On Works | | | 20.000 | | 42,132 |
| On Repair | | •• | •• | •• | 1,35,822 |
| . On Repairs | | •• | •• | | |
| | | | 700 | | 4 88 AF |
| evenue Estab | lishmen | t quarters | Iamlatdar' at Yells | apur esti | mated to |
| evenue Estab s. 48,252 and l the extent o | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv | lamlatdar' at Yella vely, was i | s kacheri pur esti n progres | at Kumta mated to s. Expend |
| he work of conevenue Estab s. 48,252 and lot the extent ouring the year | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | lamlatdar' at Yella vely, was i | s kacheri pur esti n progres | at Kumta mated to s. Expend |
| evenue Estab s. 48,252 and l the extent o uring the year | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | lamlatdar' at Yella vely, was i | s kacheri pur esti n progres | at Kumta mated to s. Expendi urred on w |
| evenue Estab s. 48,252 and l the extent ouring the year Administration | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | lamlatdar' at Yella vely, was i | s kacheri pur esti n progres | at Kumta mated to s. Expendi urred on w Rs. |
| evenue Estab s. 48,252 and lothe extent of uring the year Administration On Works | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar' at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 |
| evenue Estab s. 48,252 and lothe extent of uring the year Administration On Works | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar' at Yella vely, was i Rs. 7,000 | s kacheri pur esti n progres | at Kumta mated to s. Expendi urred on w Rs. 20,269 |
| evenue Estab s. 48,252 and lothe extent of uring the year Administration On Works | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar' at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 |
| evenue Estab s. 48,252 and I o the extent o uring the year Administration On Works On Repairs | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar' at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 75,388 |
| evenue Estab s. 48,252 and I o the extent o uring the year Administration On Works On Repairs Miscellaneous- | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar' at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 |
| evenue Estab s. 48,252 and 1 o the extent ouring the year Administration On Works On Repairs Miscellaneous- On Works | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 75,388 3,533 13,958 |
| evenue Estab s. 48,252 and 1 o the extent of uring the year Administration On Works On Repairs Miscellaneous- On Works | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 75,388 |
| evenue Estab s. 48,252 and 1 o the extent of uring the year Administration On Works On Repairs Miscellaneous- On Works | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 75,388 3,533 13,958 |
| evenue Estab s. 48,252 and 1 o the extent of uring the year Administration On Works On Repairs Miscellaneous- On Works On Repairs | lishmen Rs. 29,5 of Rs. 1 | t quarters 75, respectiv 14,998 and | famlatdar at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 75,388 3,533 13,958 |
| evenue Estab s. 48,252 and 1 o the extent of uring the year Administration On Works On Repairs Miscellaneous- On Works On Repairs | lishmen Rs. 29,5 f Rs. 1 of Just | t quarters 75, respectiv 14,998 and | famlatdar at Yella vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 75,388 3,533 13,958 17,491 |
| evenue Estab s. 48,252 and 1 o the extent of uring the year Administration On Works On Repairs Miscellaneous- On Works On Repairs Police— On Works | lishmen Rs. 29,5 f Rs. 1 of Just | t quarters 75, respectiv 14,998 and | famlatdar at Yells vely, was i Rs. 7,000 | s kacheri apur esti n progres was inc | at Kumta mated to s. Expendi urred on w Rs. 20,269 55,119 75,388 3,533 13,958 17,491 |

| The work of rebuilding 148 | units for | Police | Constables | at Headquarters |
|-----------------------------|-----------|--------|------------|-----------------|
| Police Lines, Thana, was in | | | | . • |

| moe mines, ma | | | | | |
|----------------|------------|---------|-----|------|----------|
| Jails and Conv | ict Settle | ements— | • | | Rs. |
| On Works | | •• | | | 8,063 |
| On Repairs | | | •• | •• | 49,830 |
| • | | | 1 | otal | 57,893 |
| Education— | | | | | |
| On Works | | | | | 10,387 |
| On Repairs | | •• | •• | •• | 59,642 |
| | | | r | otal | 70,029 |
| Miscellaneous- | - | | | | |
| On Works | | | | · | 651 |
| On Repairs | •• | | | •• | 26,024 |
| | | | . 1 | otal | 26,675 |
| Medical— | | | | | |
| On Works | | | | | 56,874 |
| On Repairs | •• | •• | · | • •• | 1,20,775 |
| | ٠. | • | ı | otal | 1,77,649 |
| Miscellaneous– | <u>.</u> . | • | | | - |
| On Works | | | | ••• | 3,820 |
| On Repairs | •• | •• | •• | ••• | 42,294 |
| • | | | T | otal | 46,114 |

The work of constructing a building comprising an X-Ray room, Electro-Therapeutic room, Dark room, etc., in the Civil Hospital at Belgaum was carried out at a cost of Rs. 6,839.

| Agriculture— | | | | | $\mathbf{R}\mathbf{s}$. |
|----------------|---------|----|-------|-----------|--------------------------|
| On Works | | | | | 6,231 |
| On Repairs | ٠ | , | • • | :. | 17,375 |
| | | | To | tal | 23,606 |
| Stationery and | Printin | g | | | |
| On Works | • • • | | • • • | | 1,662 |
| On Repairs | •,• | •• | •• | •• | 13,999 |
| | | | To | otal | 15.661 |

| Civil Works- | • | • | | | Rs. |
|--------------|---|----|---------|----|----------|
| On Works | | | | | 49,900 |
| On Repairs | | •• | • • • | •• | 1,74,393 |
| | | | ' Total | ١ | 2.24.293 |

The work of providing a Remand Home for 80 girls in the compound of the Rescue Home, Umerkhadi, Bombay, a deposit contribution work, was in progress.

| Public Health- | - | | | | | | | Rs. |
|-----------------|---------|-------|---|----|-------|----|---|--------|
| On Works | | | | | | | | 7,614 |
| On Repairs | ·· | | | •• | | ٠. | | 30,384 |
| | | | | | Total | ٠. | ٥ | 37,998 |
| Miscellaneous I | Departn | ents- | | | | | • | |
| On Works | | | | | | | | 3,724 |
| On Repairs | •• | • • | • | •• | | •• | | 6,154 |
| | | | | | Total | | | 9,878 |

Government Central Stores, Workshop and Training Centre, Dapuri.

During the year under report the total outturn including the closing balance was Rs. 1,62,118—an increase of Rs. 38,797 over the previous year's outturn. The outturn was increased as a result of the increased business offered during the year. The work was of a varied nature as usual and included repairs to road rollers, pumps of all description, oil engines, steam engines, stone crushers, mortar mills, manufacture of sluice gates, B. S. S. special pipes, roof trusses, ferry boat, etc. The work of manufacture of "Everite" specials and joints for a firm in Bombay was continued throughout the year. Certain boring works which were undertaken for the Ahmedabad Municipality during the previous year were completed in 1935–36. In addition, orders for boring works from certain firms in Ahmedabad were received. Some of them were completed during the year; some works are in progress. Besides estimates for repairs to pumping plants required at some places were prepared.

During the year under report 35 apprentices were under training and 5 apprentices completed their training.

B. ELECTRICAL.

(1) Electric Licenses.

Electric supply continued to attract the attention of the public in an increasing degree. Three new licenses and five sanctions under section 28 of the Indian Electricity Act were granted during the year under

report (1935-36) for the supply of electricity to Guledgud, Ilkal, Chalisgaon, Nandurbar, Mahableshwar, Sinnar, Malwan and Dohad, while several additional applications were under the consideration of Government. By the end of the year under review, electricity had been introduced in 43 centres in the Presidency proper (excluding Sind) and FiQ other centres were in the process of being electrified. The number of licenses excluding those revoked, but including sanctions under Section 28 of the Indian Electricity Act, actually in operation in the Presidency proper at the beginning of the year was 51, while at the end of the year the number operating was 59.

(2) Electricity Duty.

The electricity duty was first imposed by the Finance Act of 1932 and has continued to be in operation in the succeeding years. The receipts from the tax amounted to Rs. 9,69,173 during the year 1935-36. The receipts are credited to the head "XXXV-Miscellaneous (Provincial)" with effect from the year 1933-34.

(3) Electric Works.

The expenditure incurred by the Electrical Branch during the year under the various heads was as under:—

| | | | | $\mathbf{R}\mathbf{s}$. |
|--|-------------|--------------|------------|--------------------------|
| (1) New works and | additions | and alter | ations to | |
| the existing inst | allations | | | 46,757 |
| (2) Repairs | | • • • | | 1,90,642 |
| (3) Tools and Plant | | | | 9,662 |
| (4) Temporary illum | ination or | the occasi | on of the | |
| Silver Jubilee | | Majesty tl | ne King | |
| Emperor George | V | •• | •• | 93,375* |
| | | т | otal | 3,40,436 |
| The following importar | it works w | ere carried | out during | the year :— Rs. |
| | • | | _ | Rs. |
| Electric installation | | cience labo | ratories, | 0.000 |
| Karnatak College, D | | | | 8,686 |
| Electrification of the Ju | idicial bui | Idings at Na | adiad | 8,494 |
| Electrification of the V | etermary (| College, Bor | nbay | 3,950 |
| 152 special repair works expenditure incurred on | | | ring the y | ear. The total |
| | | | | $\mathbf{Rs.}$ |
| Ordinary repairs | | | | 1,47,314 |
| Special repairs | | | | 43,328 |
| | | T | otal | 1,90,642 |

^{*}Excludes percentage charges.

C. COMMUNICATIONS.

The total expenditure incurred under this head during the year 1935-36 was as under :-

| | | | | Rs. |
|------------|------|----|-----|-----------|
| On Works | | •• | ••• | 13,22,112 |
| On Repairs | •• | | | 26,33,425 |
| | | To | tal | 39,55,537 |

The principal works financed from ordinary revenues during the year were :-

Dhadgaon-Shahada Road, Section IV Improvements to Taloda-Shahada Road, Khandesh Division. Sections I and II.

Improving Gadag-Hesrur Section of the Dharwar Division. Karwar-Bellary Road.

Improving Sadashivgad-Kadra Road Kanara Division.

The following works were financed from the Petrol Tax Fund and the expenditure incurred on them during the year was as shown below:--

Constructing a submersible bridge of R. C. C. Poona Irrigation deck girder type over the Karha river at Division. Baramati-Rs. 54,823.

Constructing Talasari-Vapi Section (miles 0-16-Rs. 1,02,021.

Constructing high level causeway over Balganga river and diversion in mile 4/7 of the Panvel-Pen Section—Rs. 26,620.

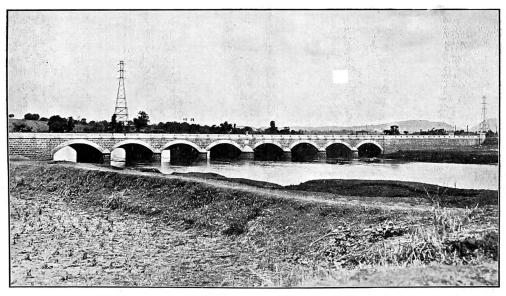
Constructing a bridge over the Pinjal river in mile 9/2 of Khodala-Mokhada Road-Rs. 1.549.

Constructing a R. C. C. bridge with approaches over the Patalganga river near Khaparda in mile 7/6 of the Pen-Panvel Road—Rs. 37,171.

Constructing diversion outside Thana Town, Bombay-Agra Road—Rs. 7,069.

Improvements to cross drainage works in Thana Division. miles 37-45 of the Bombay-Agra Road-Rs. 4,042

Improvements to the soft portions in miles 29 and 32 to 67 of the Bombay-Poona Road-Rs. 10,500.

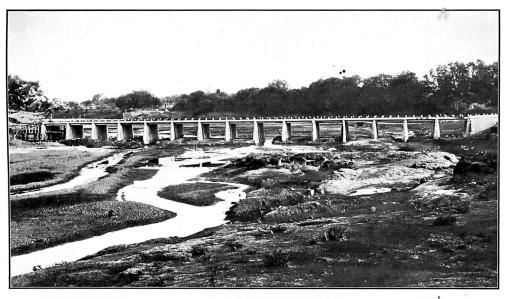


CONSTRUCTING HIGH LEVEL CAUSEWAY OVER THE BALGANGA RIVER IN MILE No. 4/7 OF PEN PANVEL ROAD, SECTION OF BOMBAY KONKAN GOA ROAD IN PANVEL SUB-DIVISION.

Date of Photo Sth April 1936.

Date of commencement of work ... February 1934.

Estimated cost (Revised) ...
Total expenditure to date Rs. 46,000. ... Rs. 45,035.



R. C. C. BRIDGE OVER THE RIVER KUKADI NEAR PIMPALWANDI ON POONA NASIK ROAD MILE No. 53—DOWN STREAM ELEVATION.

| Date of Photograph | 2nd June 1936. |
|-------------------------------------|-------------------------|
| Date of commencement of the work | 15th March 1935. |
| Estimated Cost | Rs. 58,620. |
| Total expenditure to end of 1935-36 | Rs. 38,004. |
| Work completed or in progress | Nearing completion. |

Providing 21" asphalt macadam surface in miles 18 to 22 of the Bombay-Agra Road-Rs. 34,999.

Constructing a masonry arched bridge over the Kaveri river in mile 46/4 and raising and improving the Kurla-Vihigaon Road mile 46/5 of the Bombay-Agra Road—Rs. 3,001.

Making a survey for the proposed improvements to the existing Pen-Panvel Roadsection of Bombay-Konkan-Goa Road-Rs. 2.298.

Diversion round Pardi on Vapi-Bulsar Section—Rs. 2,934.

Improving miles 4 to 9/6 of Matwad-Navsari Section (land compensation)—Rs. 1.362.

Raising the North-Western approach of the Hope Bridge at Surat (a portion of Surat-Sahol Section miles 2 and 3)-Rs. 8,175.

Raising the North-Western approach of the Hope Bridge at Surat (within the limits of the Hope Bridge Committee)—Rs. 2,994.

Constructing cross drainage works on Dohad-Alirajpur Road--Rs. 15,645.

Providing rubble stone bedding and re-metalof portions Road-Rs. 15.492.

Constructing a high level causeway on Sarvani nalla in mile 6/6 of Kaira-Bareja Road-Rs. 8,299.

Metalling and improving the road from Ahmedabad Viramgam to Mandal—Rs. 38,416.

Making improvements to the low-lying miles 75-84 on the Poona side of Khandala on Khandala-Poona Section of the Bombay-Poona-Bangalore Road-Rs. 9,500.

Modernising of roads in Poona-Rs. 94.480.

Providing a submersible bridge over the Kukadi river at Pimpalwandi in mile 53 of Poona-Nasik Road-Rs. 37,019.

Improving Khambharli ghat (miles 39-47 west from Karad)—Rs. 7,621.

Reconstructing the portion of the Poona-Sholapur Road from Bahiroba Nalla to Hadapsar on the Bombay-Poona-Sholapur-Hyderabad Road-Rs. 60,000.

Thana Division.

Surat and Broach Division.

Dohad-Aliraipur Kaira and Panch Mahals Division.

> Division.

Poona Division.

| Asphalting the portion from the Sholapur Railway Station to the Panjrapol on the Bombay-Poona-Sholapur-Hyderabad Road—Rs. 20,250. Asphalting the portion near the Municipal water works pumping station at Sholapur on the Bombay-Poona-Sholapur-Hyderabad Road—Rs. 6,350. Constructing a road from Yedshi to Chausala—Rs. 13,721. Improvements to the road from Yedshi to Osmanabad—Rs. 11,037. |
|---|
| Construction of a bridge to replace the existing dangerous bridge over the Mosam river at Malegaon on Vihigaon-Nasik-Malegaon Section of the Bombay-Agra Road—Rs. 17,222 Nasik Division. Improving the low-lying portions of the Bombay-Agra Road between Ghoti and Igatpuri—Rs. 35,362. |
| Extension from Edlabad to Ichhapur on Khandesh Division. Surat-Dhulia-Bhusawal-Edlabad-Nagpur Road—Rs. 13,000. |
| Constructing a bridge over the Bhamburda river in mile 11/8 of the Math-Kasal Road—Rs. 52,200. Asphalting roads in and round about Belgaum—Rs. 452. |
| Asphalting miles 261 to 263 of the Poona-Bangalore Road—Rs. 34,703. Asphalting miles 267 to 270—Rs. 44,012. Purchasing premix plant for the work of asphalting miles 261 to 263 and 267 to 270 of the Poona-Bangalore Road—Rs. 13,062. Construction of causeways over certain nallas between Navalgund, Nargund and Konnur |
| on the Hubli-Sholapur Road as under : Rs. (a) Causeway over Yelvi nalla |
| in mile 29/5 4,033 Dharwar Division. (b) Causeway over Sasvigudi |
| nalla in mile 27/2 9,622 (c) A paved dip in mile 44/3 828 (d) Causeway over Hira nalla |
| in mile 31/8 14,084*] |

^{*}Represents expenditure during and to end of the year.

(e) Causeway over nalla in mile 36/1 10,993

(f) Causeway over nalla in

mile 37/77,620* (g) A paved dip in mile 34/3 ... 2,799*

Miles 39 to 46 of Konnur-Nargund

Improvements to Hubli-Sholapur Road-Section—Rs. 19.964.

Improving Dharamtar-Mahableshwar Road by raising certain portions in Section I from Dharamtar to Dasgaon-Miles 13 (Vadkal-Mahad Section)—

Rs. 13,677. Widening the Kashedi-Khavti Ghat Road in miles 84 to 88 of Hatkhamba- Poladpur Road—Rs. 12,006.*

Constructing 6 culverts in Section I of Hatkhamba-Poladpur Road (Khed-Poladpur Section)—Rs. 18,105.*.

Constructing 5 culverts in Section II of Hatkhamba-Poladpur Road—Rs. 24,419.

Masonry drains with R. C. C. slabs over 9 small nallas in Section III of Hatkhamba-Poladpur Road—Rs. 4,120.

Bridge over Beni Nalla in mile 10 of Pali-Phonda Road—Rs. 6,798.

Masonry drains with R. C. C. slabs over 15 nallas and 1 culvert over large nalla in Section I of Pali-Phonda Road—Rs. 9,333.

Constructing a R. C. C. bridge over the Rajapur Creek at Rajapur in Section II of Pali-Phonda Road-Rs. 25,835.*

Constructing masonry drains with R. C. C. slabs over 20 small nallas in Section II of Pali-Phonda Road—Rs. 13,046.*

Masonry bridge over the Piyali river in Section III of Pali-Phonda Road (Kasarda-Phonda Section)—Rs. 57,953.*

Karwar-Bellary Road-Improving the Miles 1 to 75—Rs. 5,930.*

Improving Kumta-Hubli Road—Rs. 38,554. Road-Khanapur-Yellapur Improving ${f Rs.}\ 18.042.$

Causeway over Mavinhalla creek in mile 2/1 of Sadashivgad-Goa Frontier Rs. 4.058.

Dharwar Division,

Ratnagiri Division.

Kanara Division.

^{*} Represents expenditure during and to end of the year.

Arboriculture.

Nurseries were maintained at various places and the planting, watering and protection of road-side trees continued to receive attention as usual. About 15,983 trees were planted during the year along provincial and local fund roads.

D. MISCELLANEOUS.

Public Health, Water Supply and Drainage Works, etc.

The expenditure during the year under the head 56A-Capital Outlay on Improvement to Public Health amounted to Rs. 85,415.

During the year under report the pumping machinery at Pandharpur, Sholapur, Nasik, Karad, Poona, Holkar's Bridge, Alandi, Uran, Shingnapur water works were inspected and necessary repairs arranged for and estimates for water supply at Visapur Jail and pumping plant for Mahableshwar were prepared. 32 road rollers and two portable engines were inspected. The work of remodelling the Mutha Right Bank Canal by fixing iron gates for dividing it into sections for accelerating the emptying of the canal was in progress. This work was undertaken in order to enable the impounding of a sufficient water supply for the Cantonnent and Poona City Water Works. A new self-supporting gusseted steel chimney was erected in the compound of the Poona Water Works. A Green's economiser was also erected in that compound at a cost of Rs. 22,803. A fifth instalment of Rs. 25,000 was paid to the Military authorities against the total purchase value of Rs. 5,00,000 for the Kirkee Water Supply Works.

The following works were either completed or in progress:-

| The following works were either completed of in progress | · co |
|--|--------------|
| | Rs. |
| (1) Laying 3" C. I. pipe line for Aund-Bopodi | |
| Road | 3,402 |
| (2) Constructing a new workshop in the compound | |
| of the Poona Water Works | 5,000 |
| (3) Investigation of the potability of the water in | |
| Powai Lake as a source for supply of water in | |
| Salsette | 729 |
| (4) Installation of a new Crude Oil engine pump- | |
| ing set at the Pandharpur Water Works | 19,645 |
| (5) Improvements to the water supply scheme | • |
| at Khed | 60,663 |
| (6) Improvements to Chiplun Water Supply | 37,373 |
| The following important works were maintained during | g the year:- |
| | Rs. |
| Poona Water Works | 1,74,048 |
| Kirkee Water Supply | 60,143 |
| Bahiroba Pumping Station | 1,07,224 |
| Ratnagiri Water Supply | 2,429 |



POONA IRRIGATION DIVISION.

Submersible Bridge R. C. C. Deck Girder Type over the Karha River at Baramati.

Side view from down stream facing Baramati Town.

The Deposit Contribution works carried out during the year were as under:-

| | | | | Rs. |
|--|----------------------|-----------|---------|--------|
| Providing Venturi Met diary stations in Poor | er at low na City | level and | subsi- | 17,900 |
| Providing washouts on t a Lea Recorder at the | | | | |
| drain | • • | • • | | 27,311 |
| Alandi Water Supply | •• | •• | | 4,884 |
| Matheran Water Supply | 7 | | •• | 9,143 |
| Maintenance and repair | irs to the | outfall | sewer, | |
| Poona City | • • | •• | | 1,539 |
| Miscellaneous petty wo | rks for p | rivate an | d local | |
| bodies and Military a | uthorities | | •• | 5,000 |

E. TECHNICAL PAPERS.

The following Public Works Department technical papers were issued during the year:—

- No. 54.—Note on experiments with a model of the Head Sluices of the Nira Left Bank Canal by C. C. Inglis, B.A., B.A.I., M.Inst.C.E., Superintending Engineer, Deccan Irrigation Circle, and D. V. Joglekar, B.E., Assistant Engineer.
- No. 55.—Note on investigations carried out by means of models at the Khadakvasla Hydrodynamic Research Station, near Poona, in connection with the protection of the Hardinge Bridge which spans the River Ganges near Paksey—Eastern Bengal Railway, by C. C. Inglis, C.I.E., B.A., B.A.I., M.Inst.C.E., I.S.E., Superintending Engineer, Deccan Irrigation Circle, and D. V. Joglekar, B.E., Assistant Engineer.

F. RAILWAYS.

The railways situated within the Bombay Presidency (excluding Sind) are not administered by this Government but are under the general control of the Railway Board.

- 2. As in the previous years the railway budget for the year 1936-37 is again a deficit one. The total deficit for the year 1936-37 inclusive of the loss on strategic lines is estimated at Rs. 3·44 crores compared with a deficit of Rs. 4·54 crores in the year 1935-36.
- 3. No new lines were opened for traffic in the Bombay Presidency (excluding Sind) during the year 1935-36,

- 4. New traffic surveys of the following projects were carried out during the year:—
 - (1) Baramati-Pandharpur Railway Project in the Nira Valley Area.
 - (2) Project for a railway line between the Akalkot Road Railway Station and Akalkot Town in the Akalkot State.
- Project No. (1) is under the consideration of this Government and Project No. (2) is under the consideration of the Akalkot Darbar.
- 5. The Indian States within the geographical limits of the Bombay Presidency (excluding Sind) have with effect from 1st April 1933 been brought into direct political relations with the Government of India.
- 6. The total length of the railways in the Presidency (excluding Sind and Indian States) open for traffic during the year under review was 2,390 196 miles made up as shown below:—

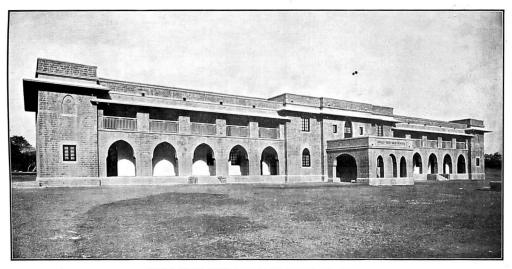
| | Broad gauge. | Metre gauge. | Narrow gauge. | Total. | |
|--|-----------------|-----------------|------------------|-------------|--|
| | Miles. | Miles. | Miles. | Miles. | |
| Bombay, Baroda and Central India Railway. | 541-218 | 120-909 | 142-809 | 804.936 | |
| Great Indian Peninsula Railway | 822-321 | | 62.064 | 884.385 | |
| Madras and Southern Mahratta Railway. | · ····· | 587·875 | | 587 • 875 | |
| Barsi Light Railway | | | 113-000 | 113.000 | |
| | 1,363 · 539 | 708 · 784 | 317 · 873 | 2,390 · 196 | |

G. DEVELOPMENT SCHEMES.

Back Bay Reclamation Scheme.

The total expenditure incurred on the Back Bay Reclamation Scheme during the year 1935–36 amounted to Rs. 6,76,236. The following works were carried out during the year:—

(1) A quantity of about 6,94,050 cubic feet of suitable building debris which was obtained free of cost was conveyed and deposited in Block No. 7 at a total cost of Rs. 3,492. The construction of a road from the South end of Cuffe Parade to the South end of Block No. V complete with drains and lighting arrangements (with the exception of paving of footpaths on both sides of the road) was completed and the road was handed over to the Bombay Municipality for maintenance in January 1936 and is now open for traffic. The sanctioned scheme of sewers on Queen's Road, the extension of Churchgate Street and certain subsidiary roads was completed. The provision of surface drainage for and the construction of the extension of Churchgate



ANGLO URDU HIGH SCHOOL FOR BOYS AT POONA.

Date of Photograph
Date of commencement of work ...
Estimated cost (reduced) ...
Total expenditure to end of 1935-36
Work completed or in progress 26th May 1936. ... 12th March 1935. ... Rs. 1,14,754. ... Rs. 1,03,681.

... Completed.

Street and certain other lengths of roads in the North-East portion of Block No. II were entrusted to the Bombay Municipality. The work is estimated to cost Rs. 2,60,309 and was in progress. The construction of the Marine Drive to a partial width of 40 feet including a footpath 10 feet wide on the West side, from the Churchgate Street Extension to Chowpatty along the sea wall, was undertaken during the year. The work is estimated to cost Rs. 4,32,000 and was in progress. The planting of trees along certain roads in the Reclamation area which was commenced in 1932 was completed during the year.

- (ii) Sanitary and anti-malarial measures.—The responsibility for sanitary and anti-malarial measures in Blocks I, II and VII of the Back Bay Reclamation Scheme was transferred to the Bombay Municipality with effect from 1st December 1933 in consideration of an annual payment of Rs. 4,775 by Government. The work was satisfactorily carried out during the year.
- (iii) Repairs and Maintenance.—The expenditure incurred during the year 1935-36 on repairs and maintenance in connection with the scheme amounted to Rs. 37,101. The expenditure on important items included in this sum were:—

| | | Rs. |
|---------------------------------------|-----|-------|
| (a) New sea wall and rubble mound | | 7,633 |
| (b) "Katcha" roads in Blocks I and II | ••• | 6,491 |

- (iv) Miscellaneous articles of surplus stores, plant, machinery, etc. were disposed of during the year. The total realisations amounted to Rs. 6,943.
- (v) A list of the members of the Standing Advisory Committee for the Back Bay Reclamation Scheme will be found in Appendix VII.

II. SUBURBAN SCHEMES.

(i) Water Supply.—During the year under report the laying of branch pipe lines and miscellaneous extensions, and the purchase and supply of meters of different sizes to the public in Salsette were undertaken. The survey work in connection with the Kanhery Valley Project which is intended to provide an independent source of water supply to Salsette was in progress. The expenditure on new works and on repairs and maintenance to pipes amounted to Rs. 13,207 and Rs. 17,098, respectively. The cost of purchasing water from the Bombay Municipality amounted to Rs. 3,11,398.

The total expenditure and receipts on the Salsette and Ambernath Water Supply Schemes were :-

| ater Supply Schemes were :— | Expenditure. Rs. | Receipts. |
|-------------------------------|---------------------|------------------|
| Salsette Water Supply Scheme | 3,41,703 | 5,73,5 71 |
| Ambernath Water Supply Scheme | 25,369 | · 27,811 |

(ii) Ambernath Electric Supply.—The expenditure and receipts on this scheme amounted to Rs. 11,294 and Rs. 15,981, respectively.

19
APPENDIX I.

Statement showing expenditure on Civil and Military Works during the year 1935-36.

| | Original | Works | Rep | oairs | Total | | |
|---|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--|
| Sorvice Heads | Grant 2 | Outlay 3 | Grant 4 | Outlay 5 | Grant 6 | Outlay 7 | |
| 8—Military Works. | Rs. | Rs. | Rs. | Rs. | Ra. | - Rs. | |
| Works-Non-voted | | | 4,500 | 4,464 | 4,500 | 4,464 | |
| Establishment— Non- voted | | | | | 1,125 | 812 | |
| Establishment—Voted | | ` | | | | 1,227 | |
| Tools and Plant- Non-voted | | | | | 135 | •••• | |
| . Voted | | | | | | 62 | |
| Total, (Non-voted. | | | 4,500 | 4,464 | 5,760 | 4,776 | |
| Military Voted | | •• | | | | 1,289 | |
| 41—Civil Works— Gentrat (Bombay | : | | | | | | |
| Central (Bombay Presidency). | , | | | | | a= 000 | |
| Buildings-Non-voted | 1,860 | 1,787 83,942 | 26,553 1,91,500 | 26,093 1,88,931 | 28,413 2,70,609 | 27,880 2,72,873 | |
| Buildings—Voted Miscellaneous—Voted. | 85,109 | 03,042 | 6,000 | 6,028 | 6,000 | 6,023 | |
| Esta blishment—Voted | | | .,,,,, | 0,020 | 67,830 | 78,950 | |
| Establishment—No n- voted | | | | | 6,960 | 26,423 | |
| Tools and Plant— Voted | | | | | 0,301 | 4,248 | |
| Grants-in-al d—N o n- Voted | | ٠ | | | 8,147 | 8,113 | |
| Total, 41—Civil Works—Central | 86,950 | 85,720 | 2,24,058 | 2,21,047 | 3,98,350 | 4,10,519 | |
| 41—Civil Works— Provincial. | | | | | | | |
| Buildings-Reserved . | 49,000 | 48,904 | 1,95,000 | 1,93,549 | 2,44,000 | 2,42,453 | |
| Buildings—Trans- | 5,12,214 | 4,89,041 | , | | | | |
| Communications do. | 15,36,107 | 15,80,186 | 40,63,127 | 40,42,980 | 61,26,120 | 60,58,970 | |
| Miscellaneous do. | 14,672 | -4,137 | ا | | | | |
| Carried over | | <u> </u> | | | | | |

| - | Original Works | | Repairs | | Total | |
|--|----------------|-----------|-----------|-----------|-------------|-------------|
| Service Heads | Grant | Outlay | Grant | Outlay | Grant | Outlay |
| 1 . | 2 | 3 | 4 | 5 | 6 . | 7 |
| Brought over | Rs. | Re. | Rs. | Rs. | Rs. | Rs. |
| 41—Civil Works— Provincial—contd. | | | | | | |
| Establishment— Reserved— Non-voted | | | | | | A4 n=4 |
| Voted | | ••• | •• | •• | •••• | 24,371 |
| Establishment- | •• | •• | | •• | •••• | 66,685 |
| Transferred— Non-voted | | | | •• | 13,57,704 | 4,93,780 |
| Voted Tools and Plant | | | * | •• | 49,97,168 | 16,42,901 |
| Reserved Tools and Plant— | •• | •• | | •• | ٠,٠٠ | 8,978 |
| Transferred | | | •• | •• | 2,58,077 | 1,75,738 |
| Grant-in-aid | | | •• | •• | 9,87,711 | 9,85,042 |
| Suspense | | | | •• | 6,485 | 25,246 |
| Deduct—English Cost of Stores and Estab- lishment— | | | | | | |
| Stores—Transferred Establishment— | •• | •• | | | -8,000 | -3,970 |
| Transferred— Non-voted | | | | | -2,88,800 | -2,61,224 |
| Voted | •• | | | | -15,200 | -0,251 |
| Loss or Gain by | | | | 1 | | |
| Exchange— Stores, Voted Establishment— | | | | | | -20 |
| Non-voted | | | | | | -1,360 |
| Establishment—Voted | | •• | | •• | | -47 |
| Exponditure in | | | | | | |
| England— Stores, Voted | | ••• | | | 4,120 | 8,990 |
| Establishment—Non- voted | | | | | •••• | 2,62,585 |
| Establishment—Voted. | •• | | | | | 9,299 |
| Total, 41—Civil Works— Provincial. | 21,11,093 | 20,64,894 | 42,58,127 | 42,36,529 | 1,37,14,385 | 97,19,160 |
| 60—Civil Works— Provincial. | | | | | | |
| Buildings | 1,59,600 | 1,58,577 | | | 1,59,600 | 1,56,577 |
| Communications | , 2,400 | 2,405 | | | 2,400 | 2,405 |
| Miscellaneous | •• | | | •• | | |
| Establishment—Non- voted | | | | | • | 7,100 |
| Establishment—Voted | | | | | 250 | 30,675 |
| Tools and Plant | | | | l | | 1,070 |
| Total, 60—Civil Works— Provincial. | 1,62,000 | 1,58,982 | | | 1,62,259 | 1,97,827 |
| District Local Fund | | | | | | 7,232 |
| Deposit Contribution | | •• | | | | 3,44,098 |
| Grand Total | 23,60,962 | 23,09,005 | 44,80,680 | 44,62,040 | 1,42,80,754 | 1,06,93,910 |
| Note The flavour of m | | | | | | |

Note.—The figures of grant and expenditure under 41—Civil Works, Central and Provincial, and 60—Civil Works, are both for the Bombay Presidency and Sind,

APPENDIX II.

APPENDIX

Statement of roads not within Municipal limits, giving lengths of metalled during the

| Name of Circle. | Name of Division. | Length of metalled roads main- tained by the Public Works De- partment, | Length of unmetalled roads main- tained by the Public Works De- partment. | Length of metalled reads maintained by the Local Authorities. |
|-----------------|--|---|---|--|
| 1 | 2 | 3 | 4 | 5 |
| | , | Miles. | Miles | Miles. |
| Northern Circle | Thana Surat Broach Kaira Panch Mahals Ahmedabad Total—Northern Circle | (f)184·62 53·98 179·90 | (b) (g)8·55 9·13 17·50 (p)44·80 | (c)416·38 (h)138·18 34·83 (k)60·50 (m)32·13 59·61 |

Note.—The lengths of Provincial roads included in columns 3 and 4 of the above Municipalities in the Bombay Presidency are not now required to contribute towards the shown in the remarks column.

- (a) The increase of $10\cdot23$ miles as compared with the previous report is due to the during the year.
- (b) The decrease of $5\cdot63$ miles in the unmetalled length is due to the de-provincialisa to Peth during the year.
- (c) and (d) The decrease of 5.05 miles and .83 miles in columns 5 and 6 as compared Areas and in the Bombay Suburban District having been transferred to the Local Bodies
- (c) The decrease of 4·12 miles in column 9 is due to the verification of the actual
- (f) The increase of ·97 miles in column 3 is due partly to the addition of the length of unmetalled lengths being metalled during the year.
 - (g) The decrease of \cdot 80 miles is due to certain unmetalled lengths being metalled during
 - (h) The increase of \cdot 85 miles is due to certain unmetalled lengths being metalled by the
- (i) The increase of $1\cdot74$ miles in the unmetalled length is due to the addition of certain year.
 - (j) The increase of 1.99 miles is due to the addition of certain lengths newly taken up
 - (k) The increase of $\cdot 9$ miles in the metalled length is due to the addition of new length
 - (1) The increase of 7.49 miles is due to the addition of the lengths of certain roads by (m) The increase of 1.64 miles in the metalled length is due to certain unmetalled
- (n) The decrease of 2.64 miles is due partly to the reasons given in (m) above and during the year.
- (o) The increase of 11.01 miles in the metalled length is due partly to some portion of road to the Public Works Department during the year.
 - (p) The decrease of 4.50 miles in the unmetalled length is due to some portion of

and unmetalled roads maintained by the Public Works Department and Local Authorities.

| | | - | Remarks. | | |
|---|--|--|--|---------------|--|
| Length of unmetailed roads maintained by the Local Authorities. | Total length of metalled roads. | Total length of unmetalled roads. | Metalled roads maintained by the Public Works Depart- ment in Muni- cipal limits. | tained by the | |
| 6. | 7 | 8 . | 9 | 10 | |
| Miles. | Miles, | Miles. | Miles, | Miles. | |
| (d)271·54 | 863+93 | 271·54 | (e)26·71 | | |
| (i)315·42 | 322.80 | 323.97 | | •••• | |
| (j)192·80 | 88-81 | 192.80 | 1.36 | | |
| (1)19-50 | 240 40 | 28.63 | 10.61 | | |
| (n)15·62 | 188-41 | 33.12 | 1.38 | | |
| 299.46 | 216.75 | 344.26 | | •••• | |
| 1,114-34 | 1,921-10 | 1,194.32 | 40.06 | •••• | |
| | | | | | |

atatement are exclusive of the portions passing through the Municipal limits. The maintenance of Provincial roads passing through the limits and the lengths of these are

addition of the length of Talasari-Vapi road sections I and II having been completed

tion of (i) the Bridle path from Khandus to Tembra and (ii) Bridle path from Ambivali

with the previous report is due to sections of terminal roads in Municipal and Notified concerned during the year.

length in Municipal limits, the correct length thus arrived being now shown.

the diversion of Bulsar-Vapi road completed during the year and partly to certain

the year.

Π.

Board during the year.

lengths newly constructed and newly taken up for maintenance by the Board during the

for maintenance by the Board during the year.

by the Board during the year.

the Board during the year.

lengths being metalled by the Board during the year.

partly to the adoption of correct lengths of roads after actual verification by the Board

Viramgam-Mandal road being metalled and partly to the retransfer of the Sadra-Dabhoda

Viramgam-Mandal road being metalled during the year.

| Name of Circle. | Name of Division. | Length of metalled roads main- tained by the Public Works De- partment. | Length of unmetalled roads main- tained by the Public Works De- partment. | Length of metalled roads main- tained by the Local Authorities. |
|-----------------|------------------------|---|---|--|
| 1 | 2 | 3 | 4 | 5 |
| | , , | Miles. | Miles. | Miles, |
| | (Poona | . 512.89 | 14.62 | (a)305·10 |
| a | Sholapur | . (c)479·36 | (d)75·90 | (e)358·00 |
| Central Circle | Nasik | . (h)461·97 | 9-22 | (i)175·25 |
| | Khandesh | . 665.31 | 16.12 | (1)310-94 |
| | Total—Central Circle . | 2,119.53 | 115.86 | 1,149-29 |

Note.—(a) The increase of 41.81 miles as compared with the previous report is due to (b) The decrease of 44.56 miles as compared with the previous report is partly due to roads (cart tracks) having been taken over for maintenance by the District Local Board,

- (c) The increase of 2.21 miles as compared with the previous report is partly due to the roads into metalled roads.
 - (d) The decrease of .56 miles is due to the reasons given in (c) above.
 - (e) The increase of 5.72 miles is due to certain unmetalled lengths having been metalled
- (f) The increase of 15·72 miles is due to some cart tracks having been taken over for metalled during the year.
- (g) The increase of ·31 miles is due to the adoption of correct lengths of certain roads.
- (A) The decrease of 9.76 miles as compared with the previous report is due to the the adoption of correct lengths of certain roads.

 (i) The increase of about 10 miles is due to the transfer of the Nandgaon-Aurangabad
- roads.
- (j) The increase of 19.74 miles is due to the adoption of correct lengths of certain
 - (k) The decrease of .89 miles is due to the reasons given in (h) above.
 - (1) The increase of 9.98 miles is due to the construction of new roads by the District
- (m) The increase of 32.98 miles is due to the construction of new roads by the Local

II-contd.

| Longth of unmetalled longth of roads maintained by the Local Authorities. | | | Rema | rks. |
|---|------------|---|----------|---|
| | | etalled length of length of naintained metalled unmetalled length of posts. | | Unmetalled roads maintained by the Public Works Department in Municipal limits. |
| 6 | 7 | 8 | 9 | 10 |
| Miles. | Miles | Miles, | Miles. | Miles. |
| (b)2,379·26 | 817-99 | 2,393 · 88 | 65-34 | •••• |
| (f)977·19 | 837.36 | 1,058.00 | (g)32·75 | 2.50 |
| (<i>j</i>)1,504·98 | 637-22 | 1,514-20 | (k)18-60 | 0-30 |
| (m)693·10 | 976-25 | 709-22 | 32-26 | 1.53 |
| 5,554 · 53 | 3,268 · 82 | 5,670 · 39 | 149.04 | 4.33 |

certain unmetalled lengths having been metalled during the year.

conversion of certain unmetalled lengths into metalled roads and to some lengths of Satara.

adoption of correct lengths of certain roads and partly to the conversion of unmetalled

during the year.

maintenance by the District Local Board less certain unmetalled lengths having been

transfer of the Nandgaon-Aurangabad Road to the District Local Board, Nasik, and to Road to the District Local Board, Nasik, and to the adoption of correct lengths of certain roads.

Local Boards during the year. Boards.

| Name of Circle, | Name of Division. | | Length of metalled roads main- tained by the Public Works De- partment. | Length of unmetalled roads main- tained by the Public Works De- partment. | Length of metalled roads main- tained by the Local Authorities. |
|-----------------|---|--|---|---|--|
| 1 | 2 | | 3 | 4 . | 5 |
| Southern Circle | Belgaum Division Dharwar Division Ratnagiri Division Kanara Total—Southern Circle | | ()404 =0 | Miles. (b)89-53 (c)99-48 113-27 | Miles. (g)295-99 (g)550-37 (g)412-78 (g)108-56 1,367-70 |

⁽a) The increase of 19·19 miles as compared with the previous report is due to the portion of the Sholapur-Hubli Road having been metalled during the year.

⁽b) The decrease of $1\cdot02$ miles is due to a portion of the Sholapur-Hubli Road—

⁽c) The increase of .41 miles is due to the construction of the approach roads to the

⁽d) The decrease of about 19 miles is due to the retransfer of the Math-Kasal Road to

⁽e) The increase of 78.98 miles is due to lengths of unmetalled roads having been excluded now.

⁽g) The lengths of metalled and unmetalled roads maintained by Local Board

II-contd.

| | | | Rema | irks. |
|---|--|--|--|------------------------------|
| Length of unmetalled roads mainteined by the Local Authorities. | Total length of metalled roads. | Total length of unmetalled roads. | Metalled roads maintained by the Public Works Depart- ment in Muni- cipal limits. | roads main- tained by the |
| 6 | 7 | 8 | 9 | 10 |
| Miles. | Miles. | Miles. | Miles. | Miles. |
| (g)448·21 | 917-08 | 537-54 | 21.50 | |
| (g)367·67 | 1,100 · 14 | 467.15 | 19-95 | 4-49 |
| (g)986·33 | 894 • 14 | 986.33 | 17-36 | |
| (g)512·40 | 573 · 34 | 625-67 | 19.49 | 3.83 |
| 2,314 61 | 3,484.70 | 2,616-69 | 78.30. | 8:32 |

retransfer of the Math-Kasal Road from the Ratnagiri Division, and addition of certain

I section having been metalled during the year.

causeway over the Benni-Nalla on Sholapur-Hubli Road.

the Belgaum Division.

metalled from time to time as also a length of about 2 miles under ferries having been

Authorities shown herein are as now reported by the Local Boards concerned.

APPENDIX

| Name of Circle, | Name of Division. | Length of metalled roads main- tained by the Public Works De- partment. | Length of unmetalled roads main- tained by the Public Works De- partment. | Length of metalled roads main- tained by the Local Authorities. |
|--------------------------------|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 |
| Deccan Irriga- tion Circle. | Poona Irrigation Division. Nira Right Bank Canal Division. Ahmednagar Division . Nasik Irrigation Division. Total—Deccan Irrigation Gircle. | 30·40 298·80 • 47·00 | Miles. 6 57-60 | Miles (a)185-20 207-20 (b)482-40 482-40 |

⁽a) Length of miles 185.20 are provincial roads maintained by the District Local Board,

⁽b) The increase of 8 miles as compared with the previous report is due to the

II-concli.

| | | | · | _ | | |
|---|--|----------|--|---------------|--|--|
| | | | Remarks. | | | |
| Length of unmetalled roads maintained by the Local Authorities. | unmetalled length of by the Local metalled | | Metalled roads maintained by the Public Works Depart- ment in Muni- cipal limits. | tained by the | | |
| 6 | 7 | 8 | 9 | 10 | | |
| | | | | | | |
| Miles. | Miles. | Miles. | Miles. | Miles. | | |
| | 263 · 40 | •••• | 0.80 | •••• | | |
| | 30.40 | •••• | 2.00 | **** | | |
| 292.50 | 781 - 20 | 350-10 | 6-30 | | | |
| | | | | | | |
| | 47.00 | . •••• | | •••• | | |
| 292.50 | 1,122.00 | 350 · 10 | 9-10 | | | |
| | , | | | | | |

Ahmednagar.

corresponding length in column 6 having been metalled during the year.

APPENDIX III.

Mileage of surfaced roads of various classes and motorable earth roads as on 31st March 1936.

| | | Water bound macadam. | | | | | | |
|--------------------------|------------|----------------------|----------|----------------------------------|--------|----------|--|--|
| Province or State. | St | one metal or | ıly. | Kunkar, laterite or brick motal. | | | | |
| · 1 | ٠. | 2 | | | 8 | | | |
| | P. W. D. | Local, | Total, | P. W. D. | Local. | Total. | | |
| BOMBAY, | } | | | | • | | | |
| Northern Circle | 1,116.64 | 1,066-81 | 2,183.45 | 65-16 | 125-27 | 190-43 | | |
| Central Cipele | 2,252.62 | 1,389-78 | 3,642-40 | 22.84 | 46-20 | 69-04 | | |
| Southern Circle | 1,670-30 | 1,025-51 | 2,095-81 | 495-99 | 459-02 | 955-01 | | |
| Deccan Irrigation Circle | 830.93 | 322-80 | 1,158 78 | :- | | | | |
| Total . | . 5,870 49 | 3,804-90 | 0,675·80 | 588-90 | 630-49 | 1,214 48 | | |

| Province or State. | Other low type surfaces (murum, gravel, sand, clay). | | | Surface treated with tar, pitch, asphalt or bitumen. | | | |
|--------------------------|--|----------|----------|---|--------|--------|--|
| | P. W. D. | Local. | Total. | P. W. D. | Local. | Total. | |
| BOMBAY. | 1 | | | | | | |
| Northern Circle | 37-47 | 500-10 | 597-66 | 21.11 | 140-20 | 161.81 | |
| Central Circle | 129.08 | 2,818 92 | 2,947-88 | 8-47 | 80-08 | 34: 40 | |
| Southern Circle | 803-42 | 1,481.54 | 1,784.90 | 1- 95 | | 1-95 | |
| Deccan Irrigation Circle | 57- 50 | 815-80 | 372*80 | 2.00 | | 2-90 | |
| | | | | | | | |
| Total . | 627.45 | 5,175*95 | 5,708-40 | 20-43 | 171 18 | 200-56 | |

| Province or State. | Bitumen, asphalt, tar or pitch grouted macadam. | | | Premix bitumen, asphalt, tar or pitch. | | | |
|--------------------------|--|----------|--------|---|----------|--------|--------|
| A | | P. W. D. | Local. | Total. | P. W. D. | Local. | Total. |
| Вомвач. | | | | | | | |
| Northern Circle | | 14-38 | 28. 00 | 38.04 | 4.54 | 67*28 | 61-52 |
| Central Circle | •• | 6-62 | 0.31 | 6- 98 | 4. 32 | 15.25 | 19-57 |
| Southern Circle | | 7-92 | | 7.02 | - g. 8a | | 6.80 |
| Deccan Irrigation Circle | | | | | | | |
| Total | •• | 28.02 | 23.97 | 52*80 | 15.45 | 72:53 | 87.08 |

| Province or State. | Coment c | oncrete or n | acadam. | Fair-weather motorable earth roads. | | |
|----------------------------|----------|--------------|---------|-------------------------------------|----------|-----------------|
| . • | 1 | 8 | | | 0 | |
| | P. W. D. | Local. | Total. | P.W. D. | Local. | Total. |
| Вонвач, | | | | | | |
| Northern Circle : | 0.04 | 4*97 | 5.01 | 40-43 | 522-08 | 503-41 |
| Central Circle | 1.57 | 0.76 | 2.83 | | 758-42 | 758· 4 2 |
| Southern Circle | | | | 16.01 | 807-27 | 823-28 |
| Deccan Irrigation Circle . | | | | | - •• | |
| Total . | 1.61 | 5.78 | 7*84 | 56-44 | 2,088 07 | 2,145•11 |

| Province or State. | canno | totorable ros t be classific evious head | d under | Rontarks. |
|--------------------------|----------|--|---------|-----------|
| | P. W. D. | Local | Total. | _ |
| BOMBAY. | | - | | |
| Northern Circle | 2.50 | 268-90 | 271-40 | |
| Central Circle | . 10-19 | 26-17 | 36-36 | |
| Southern Circle q. | | 7.50 | 7-50 | |
| Deccan Irrigation Circle | | | | |
| • | | | | |
| . Total | . 12.69 | 802 57 | 815-26 | |

APPENDIX
Statement showing the expenditure on Provincial Buildings and

| | 1921 | -62 | 1922-23 | | 23 1923-24 | |
|--|------------------------|---------|------------------------|-----------|------------------------|-----------|
| | 41-C.W. Provincial. | 60-C.W. | 41-C.W. Provincial. | 60-C,W. | 41-C.W. Provincial. | 60-C.W. |
| | 2 | 3 | 4 | 5 | 6 | 7 |
| | Ra. | Ra. | Ra. | Re. | Ra, | Rs. |
| (i) Zependiture on buildings for original works | 70,17,468 | | 18,40,250 | 21,36,237 | 12,74,148 | 46,74,102 |
| (ii) Expenditure on buildings for maintenance | 11,03,937 | •• | 13,79,087 | | 15,99,041 | |
| (iii) Expenditure on metalled Provincial roads for original works | 19,29,046 | | 15,22,488 | 6,94,035 | 10,92,068 | 4,54,014 |
| (io) Expenditure on manetalled Provincial toads for original works | 5,00,155 | | 97,110 | 20,903 | 72,046 | 20,943 |
| (*) Expenditure on metalled Provincial roads for maintenance | | | 24,27,684 | | 26,69,387 | |
| (rd) Expenditure on numeralled Provincial roads for maintenance | | | 2,25,632 | •• | 2,83,278 | |

34

IV.

Roads in the Presidency Proper from 1921–22 to 1935–36.

| 1924-25 | | 1925 | -26 | 192 | 3-27 | 1927-28 | |
|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-----------|
| 41-C.W. Provincial. | 60-C.W. | 41-C.W. Provincial. | 60-C.W. | 41-C.W. Provinciai. | 60-C.W. | 41-C.W. Provincial. | 60~C,₩. |
| . 8 | 9 | 10 | 11 | 12 | 13 | 14 + | 15 |
| Rs. | Rs. | Re. | Rs. | Rs. | Rs. | Ra. | Rs. |
| 11,72,871 | 86,09,799 | 12,24,807 | 38,98,209 | 22,22,421 | 17,71,645 | 9,72,027 | 13,90,972 |
| 14,69,217 | | 15,22,903 | | 15,05,217 | | 17,04,033 | |
| 5,35,719 | 24,18,810 | 8,30,136 | 11,41,809 | 11,19,552 | 4,09,201 | 7,95,102 | 5,26,052 |
| ¢3,591 | 1,14,286 | 1,36,210 | 33,048 | 2,50,893 | | 1,65,007 | |
| 27,73,938 | | 28,80,514 | | 80,98,552 | | 32,12,827 | |
| 2,81,022 | | 2,53,438 | •••• | 2,55,920 | | 2,82,958 | |

APPENDIX

| | 1928 | -29 | 1929 | -30 | 1930 | 1931- | |
|--|------------------------|-----------|------------------------|-----------|------------------------|----------|------------------------|
| | 41–C.W. Provincial. | 60-C.W. | 41-C.W. Provincial. | 60-C.W. | 41-C.W. Provincial. | 60-C.W. | 41-C.W. Provincial. |
| 1 | 16 | 17 | 18 | . 19 | 20 | 21 | 22 |
| | Rs. | Rs. | Rs. | Rs. | Ra. | Rs. | Rs. |
| (i) Expenditure on buildings for original works | 9,61,174 | 19,07,442 | 8,88,928 | 22,83,762 | 7,15,423 | 4,32,192 | 2,38,311 |
| (ii) Expenditure on buildings for main- tenance | 16,43,248 | •• | 15,91,742 | | 15,54,198 | | 13,73,726 |
| (ivi) Expenditure on metalled Provincial roads for original works | 7,40,068 | 5,42,195 | 5,81,922 | 5,41,635 | 3,07,467 | 4,85,007 | 1,39,416 |
| (iv) Expenditure on unmetalled Provin- cial roads for original works | 1,05,960 | | 1,11,174 | | 81,815 | | 29,564 |
| (r) Expenditure on metalled Provincial roads for mainte- nance | 30,99,797 | | 80,95,981 | | 29,87,136 | | 28,68,480 |
| (ef) Expenditure on unmetalled Provin- cial roads for main- tenance | 2,67,776 | •• | 2,54,990 | | 2,98,830 | | 2,30,071 |
| (vii) Expenditure from Boad Development Fund in con- nection with Pro- vincial roads for original works | | • | | | 8,00,076 | | 7,35,418 |
| (citi) Expenditore from Road Development Fund in connection with Provincial roads for maintenance | | | | | ,. | | |

IV-contd.

| 32 | 193 | 2-33 | 1933 | -34 | 1934 | -35 | 1985 | -36 |
|-----------|------------------------|----------|------------------------|---------|------------------------|----------|------------------------|---------|
| 60-C.W. | 41-C.W. Provincial. | 60-C.W. | 41-C.W. Provincial. | 60-C.W. | 41–C.W. Provincial. | 60-C.W. | 41–C.W. Provincial. | 60-C.W. |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 81 |
| Rs. | Rs. | Rs. | Rs. | Rs, | Rs. | Rs. | Rs. | Rs, |
| 20,397 | 2,51,784 | 1,339 | 2,46,766 | 11,002 | 3,19,300 | | 4,21,114 | |
| | 9,88,704 | | 11,83,317 | | 12,07,928 | | 11,94,726 | |
| 2,91,305 | 1,26,240 | 1,55,554 | 1,17,263 | 51,711 | 1,18,558 | 23,462 | 1,45,887 | 2,405 |
| | 23,447 | | 23,622 | | 7,724 | <u>:</u> | 4,620 | |
| | 23,36,968 | | 24,82,335 | | 24,45,526 | | 24,60,631 | |
| | 1,61,682 | | 1,00,738 | | 1,50,635 | | 1,50,294 | |
| | 9,06,785 | | 8,08,461 | ! | 0,77,174 | ••· | 11,69,200 | •• |
| | 13,078 | | 20,253 | | 44,383 | | 16,500 | ' |

APPENDIX
Statement showing the expenditure on District Local Board Roads in the
1921-22

38

| | 1921-22. | 1922-23. | 1923-24. | 1924-25. | 1925-26. | 1928-27. |
|---|----------|----------|----------|----------|----------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. | Ra. | Ra. | Ra. | Re. | Ra. |
| (1) Expanditure on metalled District Local Board roads for original works in the | | | | | | |
| Presidency proper | 1,80,641 | 2,11,788 | 2,45,635 | 1,85,618 | 2,22,685 | 2,14,017 |
| (2) Expenditure on unmetalled District Local Board roads for original works in the Presidency proper | | 94,250 | 1,28,734 | 1,17,791 | 1,78,703 | 2,97,654 |
| (9) Expenditure on metalled District Local Board roads for maintenance in the Presidency proper | 4,51,946 | 5,68,794 | 5,44,584 | 5,68,849 | 6,21,726 | 7,48,360 |
| (4) Expenditure on unmetalled District Local Board roads for maintenance in the Presidency proper | 5,18,795 | 4,55,687 | 5,30,217 | 4,92,900 | 6,86,110 | 6,79,365 |

∇.
Presidency proper (original works and repairs) from to 1935-36.

| 1927–28. 8 | 1928-29. 9 | 1929-30. 10 | 1930-81. 11 | 1931-32. 12 | 1932–83. 13 | 1933-34. | 1934–85. 15 | 1935-36. 16 |
|---------------|---------------|----------------|----------------|----------------|----------------|----------|----------------|----------------|
| Re. | Rs. | Ra. | Rs, | Rs. | Rs. | Rs. | Rs. | Rs. |
| 2,09,423 | 3,29,532 | 4,11,284 | 3,07,573 | 2,69,334 | 1,92,344 | 2,16,078 | 1,52,374 | 2,21,560 |
| 3,18,374 | 2,72,401 | 2,62,260 | 2,28,956 | 1,86,361 | 2,13,520 | 2,06,288 | 2,57,209 | 2,18,755 |
| 7,50,703 | 8,51,468 | 8,78,140 | 9,31,651 | 8,81,092 | 7,66,140 | 7,53,558 | 7,27,755 | 6,78,079 |
| 5,01,524 | 4,57,202 | 3,51,071 | 4,62,352 | 3,36,981 | 8,36,929 | 3,17,477 | 3,68,204 | 3,27,876 |

APPENDIX
Statement showing expenditure on establishment in the Roads and Buildings and
the percentage on the total outlay on works and

| | Exp | enditure on | Establishm | ent in the | Roads and | Buildings Bra | noh |
|-----------|--|-------------------|-------------------------------|--------------------------|------------------|------------------|--|
| Year | 41—Civil Works— Provincial (Transferred and Reserved) | 60—Civli Works | 41—Civil Works— Contral | 60MI- litary Works | Deposit Works | Total | Percentage on the total outlay on works and repairs in the Roads and Build- ings Branch |
| 1 | 2 | 8 | 4 | 5 | 6 | . 7 | 8 |
| 1921–22 | Rs. 29,06,955 | Rs. | Rs. 1,98,683 | Rs. 45,258 | Rs. 2,84,992 | Rs. 34,05,888 | 19.26 |
| 1922-23 . | . 20,14,640 | 8,34,450 | 1,78,163 | 71,481 | 77,143 | 31,75,877 | 20.79 |
| 1923-24 | . 15,84,488 | 8,10,645 | 67,892 | 38,560 | 6,88,354 | 81,89,939 | 19.88 |
| 1924-25 | 16,89,892 | 12,25,632 | 1,19,721 | 27,862 | 2,52,556 | 33,15,663 | 19.67 |
| 1925-26 . | . 18,89,417 | 12,05,078 | 1,01,876 | 69,040 | 2,58,535 | 35,23,955 | 20.66 |
| 1926-27 | . 25,30,286 | 5,97,486 | 1,68,896 | 5,882 | 3,94,389 | 30,96,939 | 23. 76 |
| 1927-28 | 21,99,448 | 5,59,107 | 1,49,132 | 5,042 | 2,97,270 | 32,09,999 | 24-98 |
| 1928-29 | 22,40,393 | 6,56,718 | 2,29,540 | 2,240 | 2,56,180 | 33,85,066 | 25.08 |
| 1929-30 | 22,45,450 | 7,33,867 | 1,56,773 | 3,638 | 2,34,897 | 33,74,625 | 25.26 |
| 1930-31 | 25,51,711 | 1,80,139 | 1,72,163 | 2,415 | 85,444 | 29,91,872 | 82.85 |
| 1931-32 | 25,93,104 | 2,32,929 | 1,22,700 | 3,182 | 44,132 | 29,98,148 | 38.70 |
| 1932-33 | 23,74,608 | 71,981 | 85,143 | 3,334 | 17,156 | 25,52,217 | 39-79 |
| 1988-34 | 22,73,945 | 31,807 | 71,866 | 8,810 | 80,502 | 24,11,930 | 87-97 |
| 1934-35 | 21,88,729 | 38,278 | 62,472 | 2,693 | 47,694 | 28,39,866 | 85-82 |
| 1935-36° | 20,51,807 | 808 | 89,984 | 1,539 | 54,593 | 21,98,731 | 35.75 |

NOTE.—The percentage of the establishment charges on the cest of works and repairs in the (column 8). The reason is largely that the establishment charges in the Irrigation Branch include cortain canal systems which has no connection with the execution of works and repairs spent on revenue management including the control and distribution of works, which is debited in the ment charges debited in the accounts to "revenue management" are deducted from the total cost so divergent. The increase in the rate per cent. in the E. & B. Branch is mainly due to decrease in which expenditure on works is reduced. A more overall percentage on expenditure on works is "The figures for the year 1985-38 pertain to the Presidency proper only.

VI.

the Irrigation Branches of the P. W. D. from the year 1921-22 to 1935-36 and repairs during that period in both the Branches.

| Ext | enditure on F | ate blishmen | t In the T | rrigation Bran | ch - | 1 | - |
|--|--|--|--------------|------------------|---------------------------------|-------------------------------------|---|
| 55—Construction of Irrigation, Navigation, Embankment and Drainage Works | XIII-Works for which capital accounts are kept | 15—Other Revenue Expendi- ture finance ed from Ordinary Ecvenues | Dan-14 | | Percent- age on the total | the Roads and Build- ings and | Percentage on the total outlay of works and repairs in the Roads and Buildings and Irri- gation Branches |
| . 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Rs. 11,53,734 | Rs. 13,85,960 | Rs. 6,68,651 | Rs. 2,770 | Rs. 32,11,115 | 33-59 | Rs. 66,47,003 | 24 26 |
| 14,20,751 | 13,44,901 | 5,34,327 | 1,993 | 33,01,972 | 32.22 | 64,77,849 | 25.38 |
| 21,87,793 | 14,43,222 | 4,32,013 | 2,056 | 40,65,084 | 33-89 | 72,55,023 | 25.87 |
| 29,10,785 | 17,37,724 | 5,26,361 | 492 | 51,75,362 | 28.73 | 84,91,025 | 24.35 |
| 82,21,647 | 17,99,343 | 5,19,228 | 2,681 | 55,42,899 | 21.62 | 90,66,854 | 21.23 |
| 85,56,959 | 18,08,385 | 5,94,989 | 8,207 | 59,63,540 | 80. 28 | 96,60,479 | 27-54 |
| 36,98,956 | 19,20,778 | 7,80,312 | 3,847 | 64,03,888 | 26.00 | 96,13,887 | 25.64 |
| 89,04,670 | 21,35,939 | 6,16,601 | 2,750 | 66,59,960 | 25. 21 | 1,00,45,026 | 25.35 |
| 42,26,873 | 21,08,302 | 6,18,312 | 1,012 | 69,54,499 | 23-26 | 1,08,29,124 | 23.88 |
| 42,88,966 | 18,31,149 | 5,99,621 | 1,784 | 67,21,470 | 21-60 | 97,13,342 | 24 06 |
| 40,37,972 | 16,34,011 | 5,18,627 | 86 | 61,90,696 | 22.40 | 91,86,842 | 25.97 |
| 28,70,427 | 23,53,971 | 4,01,829 | . 680 | 56,26,407 | 28.54 | 81,78,624 | 31.80 |
| 17,60,090 | 29,83,531 | 5,14,407 | 48,960 | 53,06,988 | 40-41 | 77,18,918 | 89.61 |
| 15,36,830 | 80,98,255 | 4,55,037 | 441 | 50,90,563 | 42.89 | 74,80,429 | 40.38 |
| 1,37,301 | 8,68,476 | 1,78,501 | 61 | 11,77,339 | 89-46 | 83,76,070 | 45.21 |
| | | | | | | | |

Irrigation Branch (column 14) is generally higher than that in the Roads and Buildings Branch the cost of Special Revenue Establishment employed entirely on "revenue management" work on and that these charges also include cost of part of the time of Irrigation establishment accounts to "revenue management" and not to execution of works and repairs. If these establishment in the Irrigation Branch the percentage on the cost of works and repairs will not be outlay on "works" and "repairs". Establishment charges cannot be reduced in the same ratio in inaccurate.

APPENDIX VII.

List of members of the Standing Advisory Committee for the Back Bay Reclamation Scheme for the year 1935–36.

| | Name of Member. | Constituency. | | | | | |
|----|--|---------------|---------|----------------------------|--|--|--|
| 1. | Sir Joseph Kay, Kt. (Chairman) | ,** | •• | The Bombay Chamber of | | | |
| 2. | Mr. Manu Subedar | •• | •• | Indian Merchants' Chamber, | | | |
| 3. | Mr. V. N. Chandavarkar | •• | •• | Bombay Association, | | | |
| 4. | Mr. Hoseinbhoy A. Lalljee | . •• | | The Bombay Municipal Cor. | | | |
| 5. | Engineer, Bombay Port Trust | •• | ••• | | | | |
| 6. | Mr. N. V. Modak, City Eng Municipality | gineer, E | ombay | Nominated by Government. | | | |
| 7. | Mr. F. H. Taylor, F.S.I., M.R.S.I. and Bunders, Bombay Port T | | r, Land | dovernment. | | | |
| 8. | Mr. K. S. Framii, C.I.E. | • | | 1 | | | |

