2939.
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

Resolution of the Government of India, Public Works Department (General), dated Simla, 2nd November 1893, No. 2873 G.

[Special rules for the retirement of officers of the Engineer Establishment of the Public Works Department].

Read—

Despatch to the Secretary of State, No. 66 P. W., dated 2nd November 1892.
Despatch from the Secretary of State, No. 31 P.W., dated 27th July 1893.
Resolution by the Government of India, Public Works Department, No. 2523 G., dated 28th September 1893.

Resolution.—In the resolution read above, the Governor-General in Council was pleased to promulgate certain rules and orders regulating the organisation of the grades, the grade pay, and the promotion of Executive and Assistant Engineers of the Public Works Department. The Governor-General in Council is now pleased, with the sanction of Her Majesty's Secretary of State for India, to publish the following rules permitting the retirement, on special pensions, of certain officers of the same establishment who entered the Department of Public Works in the years 1874 to 1881 :—

(i) A certain number of Civil Engineers who joined the service in the years 1874 to 1881 inclusive shall be eligible, after completion of 15 years' total service, to retire with the pension due under the rules applicable to them and an additional pension of one-third of their ordinary pension up to a maximum of Rs. 4,000 per annum.

Provided that no officer who was originally appointed to the department in any rank below that of Assistant Engineer, 2nd grade, and who shall not have completed on the 31st December 1893 12 years' service from the date of promotion to that grade shall be eligible for retirement on these terms.

Provided also that no officer on foreign service shall be eligible for retirement on these terms.

(ii) The Government of India reserve to themselves absolutely the right to refuse the application of any officer to retire under these terms and to exercise that right without specifying reasons.

(iii) Subject to rules (i) and (ii), a number not exceeding one-third of the total number of officers, on each of the several lists, eligible under the terms stated, and also not exceeding in the aggregate 110 men, may be allowed to retire.

(iv) Applications for leave to retire must be made as follows :—

(1) by those who have completed 15 years' total service or more on the date of this resolution, within three months of that date.

(2) by those who have not completed 15 years' total service on the date of this resolution, within three months of the day on which they shall have completed 15 years' total service.

(v) All applications to retire under these orders must be forwarded to the Government of India for orders, through the several Local Governments, with the recommendations of the latter.

Order.—Ordered, that this Resolution be communicated to the Local Governments, Administrations and officers noted on the margin for information and guidance and that it be published in part I of the *Gazette of India*.

The Governments of Madras and Bombay, Public Works Department, General and Railway Branches.
The Governments of Bengal, the North-Western Provinces and Oudh and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Rajputana, Central India and Baluchistan.
The Accountant-General, Public Works Department.
The Director-General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division, Lucknow and Assam.

(Signed) F. J. HOME, Col., R.E.,
Offg. Secy. to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—dated 15th November 1893, No. 2939 W., Public Works.

Communicated to officers of the Public Works Department in continuation of G.O., No. 2604 W., dated 13th October 1893.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" the Consulting Engineer for Railways.
" Superintending Engineers.
" the Consulting Architect to Government.
" the Superintendent of Works, Periyár Project.
" the Examiner, Public Works Accounts.
" the Examiner, Railway Accounts.
" the Financial Department.
" the Pension "

Exd. C. A. Muniswmy.
Spare Copies

2939/2

GENERAL.
ESTABLISHMENT.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November, 15th.

Read. *Encl.*

G.O., 15th Nov. 1893, No. 2939 W.

NOVEMBER.

Engineer Establishment of the Public Works Department

Resolution of the Government of India promulgating special rules for the retirement of officers of the —, communicated to officers of the department.

2939

Rothes, Morayshire, Scotland,
5th September 1893.

SIR,

I have the honour to report as follows, for the information of the Government of India, on the kind of training received by the Assistant Engineers engaged on the practical course in this country during 1892-93.

Mr. G. E. Lillie, F.C.H., was employed on the widening of the Great Northern Railway, and was located for eight months in the vicinity of Leeds, and for four months on works in the neighbourhood of London. The work near Leeds was varied, and comprised earthwork, concrete work, brickwork, stone masonry, and ironwork, required for the widening of the cuttings and embankments, the widening of existing bridges and erection of new ones, the doubling of a tunnel, and the construction of revetment walls. While at Leeds, Mr. Lillie was also employed on the survey and setting out of the Leen Branch Railway. While employed near London, Mr. Lillie was engaged on the construction of revetment walls of concrete, and on the widening of iron bridges. He also visited the Lancashire and East Coast Railway works.

Mr. E. A. C. Lister, F. C. H., was employed throughout the course of 12 months on the widening of the Great Northern Railway in the suburbs of London. The principal works were excavation, construction of long revetment walls, widening of masonry viaducts, widening of iron girder bridges, and the construction of an elevated iron crossing for passing the goods traffic over the main lines of the railway. Mr. Lister also visited the Lancashire and East Coast Railway works.

Mr. A. C. H. Laurie, F. C. H., was employed throughout the 12 month course on the widening of the Great Western Railway. The principal works he saw were earthwork, quarrying of stone, lime burning, construction of masonry and girder accommodation bridges, and the construction of three large viaducts in Devonshire. Mr. Laurie also visted and made very careful notes on Swindon workshops, the Lancashire and East Coast Railway works, and the weir fitted with Stoney's patent sluices at Richmond on the Thames while under construction.

Mr. C. A. Fleming and Mr. J. L. Morres were employed throughout the course of 12 months on Glasgow Central Railway, and Glasgow Subway, devoting six months to each of these works, except what they spent in visting other works. The principal works they saw were ordinary tunnelling and tunnelling in wet sub-soil by the use of compressed air and shields, earthwork, concrete, brickwork, mosonry and ironwork in connection with the construction of the tunnels, stations, bridges, revetment walls, and underpinning of houses and walls. Both of these Assistant Engineers also visited and made notes on Glasgow Waterworks, Lancashire and East Coast Railway, Bretannia Ironworks, and the new Cessnock Docks on the Clyde.

Mr. J. Meli was employed throughout the course of 12 months on the construction of the Lancashire and East Coast Railway, except when visiting the works mentioned below. The work was varied and comprised, setting out and cross sectioning, estimating, brick manufacture, excavation, construction of masonry and iron accommodation bridges, sinking shafts, and tunnelling. Mr. Meli also inspected and made careful notes on Glasgow Waterworks, Glasgow Central Railway and Subway, the Manchester, Sheffield, and Lancashire Railway works, and the weir on the Thames at Richmond while under construction.

Mr. T. B. Robertson was employed for the first month of his practical course on an inspection of Manchester Waterworks, and for the remaining eleven months on Glasgow Waterworks. On the former he saw the masonry dam and reservoir works and in the case of Glasgow Waterworks he was employed on the construction of the 34-mile aqueduct and on the new reservoir at Craigmaddir. The classes of work he saw comprised tunnelling through rock,

earthwork, concrete work in lining of tunnels, construction of bridges, syphons and outlets, laying of pipes, construction of the new reservoir embankment, inlet, outlet, tower, and byewash. Mr. Robertson also visited Glasgow Central Railway and Glasgow Subway works.

Mr. J. L. Stirling was employed for six months on Glasgow Waterworks, and for six months in the Clutha Ironworks, Glasgow. The works Mr. Stirling saw when on Glasgow Waterworks were the same as detailed above in the case of Mr. T. B. Robertson. In the Clutha Ironworks Mr. Stirling went carefully through the different shops comprised in the works, and saw the construction of some iron and steel bridges for the Indian Government, and also the manufacture of steel railway sleepers. He visited Glasgow Central Railway and Subway, the Cessnock Docks while under construction, and the new bridge work on the Clyde at Jamaica Street.

Mr. J. M. Parker and Mr. P. F. Wickham were employed in the locomotive shops of the Great Western Railway at Swindon. They have gone through the pattern and moulding shops, smithy, erecting and boiler shops, and have spent some time in the running sheds. They have obtained a good knowledge of mechanical engineering work. Both these Assistant Engineers spent a week on the works connected with widening the Great Western Railway in Devonshire.

Mr. A. R. de Chazal was employed for twelve months in the Britannia Ironworks, Derby, where he went through the pattern, moulding, fitting and erecting shops, and smithy. A great deal of iron and steel roof and bridge work is executed in the Britannia Ironworks, and the Assistant Engineer saw part of the execution and erection of that for Liverpool Street Station extension, London, Trent Bridge, Stoke Station, Barton Aqueduct, Manchester Ship Canal, and several other works. He also visited the Manchester Ship Canal works, and some important buildings under construction in Derby.

Mr. C. W. Sibold was employed near Leeds for twelve months on coal mining. He saw, the general arrangements, engines, gearing machinery, and sinking of the 20-feet shaft for Ashton Hall Colliery. He was subsequently employed at South Kirkby Colliery, one of the most recently established and best arranged collieries in England, where he was in a position to acquire a good practical knowledge of coal mining as practised in Yorkshire. Mr. Sibold also visited new Oaks, Bowers St. John's, Tingley, Lye Cross, and Bell End Collieries, the last two being in Staffordshire.

I have, &c.,
J. BENTON,
Superintendent, Practical Course.

The President, Cooper's Hill College.

GENERAL.
ESTABLISHMENT.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November, 15th.

Recd. *Encl.*

G.O., 15th Nov. 1893, No. 2939 W.

NOVEMBER.

Engineer Establishment of the Public Works Department

Resolution of the Government of India promulgating special rules for the retirement of officers of the —, communicated to officers of the department.

V. W.

Proceedings of the Madras Go
Read the follo

2939

No. 2873 G.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

GENERAL.

RESOLUTION.

Simla, the 2nd November 1893.

Special rules for the retirement of officers of the Engineer Establishment of the Public Works Department.

Read—

Despatch to the Secretary of State, No. 65 P. W., dated 2nd November 1892.

Despatch from the Secretary of State, No. 31 P. W., dated 27th July 1893.

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RESOLUTION.—In the Resolution read above, the Governor General in Council was pleased to promulgate certain rules and orders regulating the organisation of the grades, the grade pay, and the promotion of Executive and Assistant Engineers of the Public Works Department. The Governor General in Council is now pleased with the sanction of Her Majesty's Secretary of State for India, to publish the following rules permitting the retirement, on special pensions, of certain officers of the same establishment who entered the Department of Public Works in the years 1874 to 1881:—

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Provided that no officer who was originally appointed to the Department in any rank below that of Assistant Engineer, 2nd grade, and who shall not have completed on the 31st December 1893, 12 years' service from the date of promotion to that grade, shall be eligible for retirement on these terms.

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(v) All applications to retire under these orders must be forwarded to the Government of India for orders, through the several Local Governments, with the recommendations of the latter.

ORDER.—Ordered, that this Resolution be communicated to the Local Governments, Administrations and Officers noted on the margin, for information and guidance, and that it be published in Part I of the Gazette of India.

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The Governments of Bengal, the North-Western Provinces and Oudh and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor General for Rajputana Central India and Baluchistan.
The Accountant General, Public Works Department.
The Director General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division, Lucknow and Assam.

F. J. HOME, Colonel, R.E.,
Officiating Secretary to the Government of India.

Order thereon No. 2939 W d/13 Nov...

Communicated to officers of the P. W. D. in continuation of G. O. No: 2604 W d/13 Octr: ...
(True Extract)
(Signed) J. Pennycuick C...
Secretary to Govt. P.W.D.

G. C. Press, Simla.—No. 1118 P. W. D.—3-11-93.—1694.

2939/6

No. 2873 G.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

GENERAL.

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Simla, the 2nd November 1893.

Special rules for the retirement of officers of the Engineer Establishment of the Public Works Department.

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P. W. CURRENT No. 9548

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The Accountant General, Public Works Department.
The Director General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division, Lucknow and Assam.

Frederick Adams
Colonel, R.E.,
Officiating Secretary to the Government of India.

The Secy: to the Govt. of Madras,
P. W. Deptt.

Spare Copies
will follow
80 S.C
Regd: 10.11.93

x Sent to H.E.
Governor on 11-11-93

G. C. Press, Simla.—No. 1118 P. W. D.—3-11-93.—1694.

2039
P-1

No. 2873 G.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

GENERAL.

RESOLUTION.

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G. & N. 2604 W
13 Oct 93

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P-2

P. W. CURRENT No. 9548

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P-3

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The Accountant General, Public Works Department.
The Director General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division, Lucknow and Assam.

Colonel, R.E.,
Officiating Secretary to the Government of India.

Recd. 10-11-93

Genl Estatt

The [Joint] Secy. to the Govt. of Madras,
P. W. Deptt. Railway Branch

Spare Copies will follow

No. 74 W dt 9-1-85
" 2232 W " 12-8-92
" 2223 W " 21-7-88
" 3155-6 W " 17-11-92
" 3293 W " 2-12-92
" 158 W " 23-1-93
" 1828 W " 12-7-93
" 2604 W " 13-10-93
" 2724 W " 25-10-93

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No. 2939 W dt 15th November 1893
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Communicated to officers of the Public Works Dept in continuation of G.O. No. 2604 W dated 13th October 1893.

11-11-93

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13 NOV. 93

To
The Ch. Engr. for Irrign
" Consg. Engr. for Rys.
Supdg. Engrs
" C.R. to Govt
" Supt of Wks. Periyar Project
" Exr. P.W. Accts
" Exr. Ry. Accts
" Financial Dept
" Pension Dept.

S.A.W.

G. C. Press, Simla.—No. 1118 P. W. D.—3-11-93—1694

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Govt. of 189 I. Indian.
PUBLIC WORKS.

15/11

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