Archives I 10,006—16-8 77.

(1) Number of pages 48

(2) Date of repair 23.12.86

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W. DEPARTMENT

G.O. No. B.P. No.	2915-W	Press. Mis.
Dated	20-12-1880	~~197~~.

Not to be folded or roughly handled

2915/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

20th December 1880, No. 2,915 W.

General.
Establishment.

Read the following papers :—

No. 75. From the Genl. Supt., P. W. Stores, dated 26th Oct. 1880, No. 2,003 W.

No. 75-A. From the Supt. of Works, Kistna, dated 30th Oct. 1880, No. 1,648.

No. 75-B. From the Supt. of Works, Godávari, dated 26th Nov. 1880, No. ——.

Abstract.—Half-yearly Reports of Native Apprentices.

No. 76. Order thereon, 20th December 1880, No. 2,915 W.

These reports will be recorded. The reports for the next half year should give more information as to the progress of the Apprentices, and should indicate the general effects of the scheme, so far as can be judged. The information will be laid before the Home Government.

(True Extract.)

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

To the Superintendent of Works, Kistna.
,, ,, Godávari.
,, General Superintendent, Public Works Stores and Workshops.

Exd. S. T. Austin.
Spare Copies

2915
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

20th December 1880, No. 2,915 W.

General.
Establishment.

Read the following papers :—

No. 75. From the Genl. Supt., P. W. Stores, dated 26th Oct. 1880, No. 2,003 W.

No. 75-A. From the Supt. of Works, Kistna, dated 30th Oct. 1880, No. 1,648.

No. 75-B. From the Supt. of Works, Godávari, dated 26th Nov. 1880, No. ——.

ABSTRACT.—Half-yearly Reports of Native Apprentices.

No. 76. ORDER THEREON, 20th December 1880, No. 2,915 W.

THESE reports will be recorded. The reports for the next half year should give more information as to the progress of the Apprentices, and should indicate the general effects of the scheme, so far as can be judged. The information will be laid before the Home Government.

(True Extract.)

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

To the Superintendent of Works, Kistna.
" " Godávari.
" General Superintendent, Public Works Stores and Workshops.

Exd. S. T. Austin.
Spare Copies

GENERAL.
ESTABLISHMENT.

Gobt. of (1880) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDENT OF WORKS,
KISTNA,
&c., &c., &c.

Dated December, 20th.

Issued

Recd.

Encl.

G. O., 20th December 1880, No. 2,915 W.

DECEMBER.
Nos. 75-76.

Native Apprentices.—Half-yearly reports of — recorded with remark.

2915/2

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

22nd May 1877, No. 113 W.

General.

Establishment.

Read the following papers :—

No. 218. Proceedings of the Government of India, Public Works Department, (Establishment—General), dated Fort William, 27th November 1876, Nos. 1,598—1,615 E—G.

Training in India of Natives for the position of Foremen Mechanics.

Read again :—

Public Works Department Circular No. 35, of 29th June 1870.
" " Resolution Nos. 335—45 E—G, of 8th March 1871.

Read also :—

Letter from Government, North-Western Provinces, No. 2,242, of 21st March 1872.
" " " No. 50 E—C, of 23rd May 1876.
" " " No. 225 E—C, of 9th August 1876.

RESOLUTION.—In the Circular of 29th June 1870, No. 35, the Government of India strongly impressed on Local Governments and Administrations and on the superior officers of the department the great advantage of endeavouring, as far as possible, to train the natives of this country in all those branches of handicraft that are necessary to the construction and maintenance of railways. It was at the same time remarked that every large work on a railway or canal, and every shop in connection with them, forms a training school for artizans; that from these there was no doubt that some men suited for the position of Foremen could be obtained, and that to ensure this result it would probably be necessary to attach a school to each large shop which likely men might be encouraged to attend, and where the needful education and scientific knowledge could be imparted to those that gave promise of rising to the position of Foremen.

2. The Government of Bengal has given effect to the wishes of the Government of India in establishing a training school at Dehree for European, Eurasian, and Native youths, and the Government of the North-Western Provinces has also submitted proposals for giving the necessary training to artizans in the workshops and schools at Roorkee.

3. It was decided by the Government of India that the expenditure connected with the training schools at Dehree should be a charge against the Ordinary Public Works Imperial grant. His Honer the Lieutenant-Governor of the North-Western Provinces suggests that the same course might be followed in connection with the experiment at Roorkee, but that the Local Government, which would reap the benefit of obtaining the services of a trained Foreman, should reimburse the Imperial Exchequer the cost of the Foreman's three years' education at a rate to be fixed by the Government of India.

4. After giving the question of the incidence of the charge, which the establishment of these training schools will involve, careful consideration, it seems to the President in Council that it will be better to localize these arrangements so that each Local Government or Administration and each Branch of the Department shall train men for employment in the Province or Branch. Local Administrations which have not the means at their disposal for imparting the necessary training might, it is thought, arrange with neighbouring Provinces—thus Assam might arrange with Bengal for the training of its men. By this means a self-acting arrangement would be established without the Government of India incurring any charge for general training establishments or becoming liable to find employment for men trained for general service; as each Local Government and Administration, and each Imperial Branch of the Department would bear the cost of training its own men from Imperial, Provincial, or Local Funds as the case may be.

5. Before finally deciding on the adoption of this arrangement, the Government of India will be glad to receive any suggestion which Local Governments and Administrations and Heads of Departments may desire to offer on the subject.

ORDER.—Ordered, that a copy of this Resolution be forwarded to the Local Governments, Administrations, and Officers noted on the margin for the purpose indicated.

The Governments of Madras and Bombay, in the Public Works Department.
The Governments of Bengal, North-Western Provinces and the Punjab, in the Public Works Department, General and Irrigation Branches.
The Chief Commissioners of Oudh, Central Provinces, British Burmah, Mysore and Coorg, and Assam.
The Resident at Hyderabad.
The Agents of the Governor-General for Central India and Rajpootana.
The Inspector-General of Military Works.
The Director of State Railways.

(Signed) A. B. SAMPSON,
Under Secy. to the Govt. of India.

No. 1,903.

REFERRED to the Consulting Engineer for Railways for report.

15th December 1876. (Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government, P.W.D.

No. 218-A. From Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to the Secretary to Government, Public Works Department, dated Madras, 19th December 1876, No. 627.

ADVERTING to the Proceedings of Government, No. 1,903, dated 15th December 1876, I have the honor to request that a copy of the Circular of 29th June 1870, No. 35, referred to in the Resolution embodied in the above Proceedings may be furnished to this office.

No. 218-B. Memorandum from the Officiating Under Secretary to the Government of India, Public Works Department, (Establishment—General), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 24th March 1877, No. 1,598—1,615-2 E—G.

THE undersigned is directed to again invite attention to Public Works Department Resolution No. 1,598—1,615 E—G, of 27th November 1876, on the subject of the incidence of the charge which the establishment of schools for training natives for the position of Foreman Mechanics will involve, and to inquire if any reply may be expected.

(Signed) J. G. STEEL, Major, R.E.,
Offg. Under Secy. to the Govt. of India, P.W.D.

2915
3

No. 218-C. Endorsement of the Consulting Engineer for Railways, dated Madras, April 1877, No. 219.

From R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, to Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Madras, 6th April 1877, No. 579.

WITH reference to your letter of the 19th of December last, No. 1,370, I have the honor to express my regret that, owing to pressure of other work, I have not been able to reply earlier as to the arrangement proposed by the Government of India for training European, Eurasian, and Native youths to skilled trades. The Chief Engineer and the Locomotive Superintendent are the two heads of departments of the Railway chiefly concerned, and though I have not received a reply from the former to a communication I addressed to him upon the subject, I think perhaps the enclosed report which I have received from Mr. Trevithick may suffice, as a far larger number of the class of men referred to are employed in the locomotive than in any other department. You are of course aware that on the Madras Railway a very large proportion of the skilled laborers have learned their trades in this country, and, as a general rule, on this line, and I think that the knowledge which they thus practically acquire has made and is calculated to make them in many respects more useful servants than if they had learned their business at a training school however well the latter may have been conducted. I however heartily concur with Mr. Trevithick in what he says as to the advantages of a good general education as being conducive to the production of a good class of tradesman.

2. I observe that the question of the incidence of the cost of the proposed training schools is whether it should fall upon Imperial or Local Funds, and of this I am not able to express an opinion.

From F. H. TREVITHICK, Esq., Locomotive Superintendent, to R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, dated Perambore Works, 3rd April 1877, No. 298.

YOUR endorsement, to the Consulting Engineer's letter, No. 1,370, dated 19th December 1876.

Training School for Natives.

The proposal to establish schools for training Native Mechanics is to be commended, and it is possible that with such an inducement held out publicly as the chance of attaining the rank of Foreman, a superior class of men might be induced to turn their attention to the mechanics' trade than is now usually to be met with in the workshops.

It must, however, be borne in mind that other qualities are required in a Foreman of Mechanics beside what can be taught in a school, and I am very doubtful if a school for teaching adults such as are now to be found in the workshops would be productive of worthy results.

The Native Mechanics of these shops (I speak only of the Madras Railway Locomotive Shops) are practically all of the cooly class, men who have entered as coolies and picked up a smattering of the trade; these men have not the intelligence to acquire anything beyond the art of handling the tools, and rarely attain proficiency in that; they seem to be quite unused to reason in any way as to the why and wherefore of what they are doing.

The want of an organized system of training Native Mechanics has often occurred to me, but to begin by attempting to train adults into Foremen, or indeed to train novices for Foremen at all, seems like teaching to run before the pupil can walk.

A school to teach boys to speak and write English, to work the first three rules of arithmetic, and possibly to understand something of what is usually called in schools "Natural Philosophy" would turn out good raw material for the production of any class of tradesmen.

Such a school, specially assisted by the State, might be called a training school for mechanics, and boys turned out of it, at say fourteen years old, with a certificate recommending them for apprentices, would certainly be better raw material from which to train Foremen than ignorant adult coolies.

State aid might probably be advantageously applied in awarding premiums to the best scholars in the shape of subsistence money during their term of apprenticeship, which should last say seven years.

This process of training would give the men a fair chance of fitting themselves for Foremen, who would surely be chosen from their ranks as soon as competent men to be found among them.

How far caste prejudice might hinder the benefit of such a school to any but the lower classes I am unable to judge; but it is certain that a man may be a good mechanic and earn good wages without any caste at all, a fact which in time caste men might come to appreciate.

From W. S. BETTS, Esq., Agent of the South Indian Railway Company, to Lieute.-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Negapatam, 12th January 1877, No. 2,701.

YOUR letter No. 1,394, of the 19th ultimo. I have no suggestion to offer upon the proposals of the Government of India regarding the incidence of the art of their schools for the training in India of natives for the position of Foremen Mechanics.

SUBMITTED for the consideration of Government, with reference to their Order No. 1,903, dated the 15th December 1876.

2. If the proposal to train Natives for the position of Foreman Mechanics is approved, I agree with Mr. Trevithick that it will be useless to begin with adults. Some such school as he suggests will probably be found in this Presidency to be the best method of attaining the desired end.

(Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E.,
Consulting Engineer for Railways.

TRANSFERRED to the Secretary to Government, Public Works Department, for disposal.

(Signed) J. H. M. SHAW-STEWART, Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

No. 219. ORDER THEREON, 22nd May 1877, No. 113 W.

IN their Resolution of the 27th November 1876, Nos. 1,598 and 1,615 E—G, the Government of India, referring to the subject of training natives of the country for the position of Foreman Mechanics, request the opinion of Local Governments as to the incidence of the cost of maintaining such training schools as may be established with this view. The Government of India consider that the cost should be purely local; each Government and Administration and each Imperial Branch of the Public Works Department bearing the charge of training its own men from Imperial, Provincial, or Local Funds as the case may be.

His Grace the Governor in Council has no objection to offer to this view.

On the subject of the detailed arrangements for carrying into effect, in this Presidency, the special objects which the Government of India have in view, the opinion of the Locomotive Superintendent of the Madras Railway has been obtained, and will be found recorded with the papers printed with these Proceedings. Mr. Trevithick recommends the establishment, by State aid, of special schools in which preliminary instruction of a general character shall be imparted; boys from these schools being drafted into the Workshops where they would be further qualified for the positions which they may be designed to fill. His Grace the Governor in Council, however, remarks that preliminary instruction of the required character

2915/4

is provided by numbers of schools throughout the Presidency. If the Railway would intimate to such schools that they are prepared to admit qualified boys into their workshops as apprentices, any required number would soon be forthcoming. The establishment of special schools in connection with either Railway or Government Workshops is therefore unnecessary, but it seems very desirable that a proper system of apprenticeships at the workshops should be maintained by means of which the boys could obtain a thorough training in practical work. The future prospect of possibly rising to the position of Foreman might be held out to those found fully qualified for responsible posts at the end of a certain term of apprenticeship and subsequent employment.

(Here enter No. 114 W, dated 22nd May 1877.)

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

To the Consulting Engineer for Railways.
" District Engineer, Presidency.
" " " Godavery.
" " " Kistna.

Exd. T. D. Ryan.

Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1877} Madras.

PUBLIC WORKS.

To

The CONSULTING ENGINEER
FOR RAILWAYS,
&c., &c., &c.

Dated May 22nd.

Issued.

Recd.

Encl.

G. O., 22nd May 1877, No. 115 W.

MAY.

Nos. 218-219.

Foreman Mechanics.—Passing orders o papers regarding the training in India o Natives for the position of —.

2915/5

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

No. 114 W.

No. 220.

From
The SECRETARY to the GOVERNMENT of MADRAS,
Public Works Department,

To
The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department.

Sir,—I am directed to acknowledge the receipt of the Proceedings of the Government of India, Nos. 1,598—1,615 E—G, dated 27th November 1876, and of the subsequent reminder of the 24th March 1877, on the subject of the incidence of the charge which the establishment of schools for the training of Natives for the position of Foreman Mechanics will involve; and, in reply, to forward the accompanying copy of Proceedings in which the views of His Grace the Governor in Council are recorded.

I have the honor to be,
Sir,
Your most obedient servant,
(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

Fort St. George,
22nd May 1877.

Exd. T. D. Ryan.
Spare Copies

GENERAL
ESTABLISHMENT.

Govt. of {1877} Madras.

PUBLIC WORKS.

To

THE SECRETARY TO THE
GOVERNMENT OF INDIA.

Dated May 22nd.

Issued

Recd.

Encl.

G. O., 22nd May 1877, No. 114 W.

MAY

No. 226.

Forwarding copy of Proceedings containing the views of Government on the subject of the incidence of the charge [illegible] establishment of [illegible] which the Natives for the [illegible] of Foreman Mechanics will involve.

2915
6

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

4th January 1878, No. 16 W.

General
Establishment

Read the following paper :—

No. 28. Resolution of the Government of India, Public Works Department, (Establishment—General,) dated Fort William, 17th December 1877, Circular No. 71, Public Works.

Incidence of the charge for training in India of Natives for the position of Foremen Mechanics.

Read again :—

Public Works Department Resolution Nos. 1,598—1615 E—G of 27th November 1876.

Read also :—

Replies to the above.

RESOLUTION.—The majority of the local authorities consulted on the subject being in favor of the proposal to localize the arrangement for the training of Natives for Foremen Mechanics as suggested in paragraph 4 of Public Works Department Resolution Nos. 1,598—1,615 E—G of 27th November 1876, the Government of India is pleased to decide that this arrangement shall be adopted in future.

It is now left to the Local Governments and Administrations and to Heads of Imperial Branches of the Department, to give effect to the measure to which the Government of India attaches much importance.

ORDER.—Ordered, that a copy of this Resolution be forwarded to the Local Governments, Administrations and Officers noted on the margin, for information and guidance.

The Governments of Madras and Bombay, in the Public Works Department.
The Governments of Bengal, North-western Provinces, and Oudh and Punjab, in the Public Works Department, General and Irrigation Branches.
The Chief Commissioners, Central Provinces, British Burmah, Mysore and Coorg, and Assam.
The Resident, Hyderabad.
The Agents to the Governor-General for Central India and Rajpootana.
The Inspector General of Military Works.
The Directors of State Railways.

(Signed) A. B. SAMPSON,
Under Secy. to the Govt. of India.

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

No. 29. ORDER THEREON, 4th January 1878, No. 16 W.

COMMUNICATED to the officers concerned, who will report what steps they have adopted or propose to adopt to give effect to the wish of Government that a proper system of apprenticeship should be maintained at the workshops to give a thorough training in practical work to the boys employed in them.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Government, P.W.D.

To the District Engineer, Presidency.
" Superintending Engineer, Kistna.
" " Godavery.
" Consulting Engineer for Railways.

Exd. A. Raitt.

Spare Copies.

GENERAL.
ESTABLISHMENT.

[illegible] of 1878

PUBLIC WORKS

To

THE DISTRICT ENGINEER,
PRESIDENCY,
&c., &c.

Dated January 4th,

Issued

Recd.

Encl.

G. O. 4th January 1878, No. 13 W.

JANUARY.
Nos. 28-29.

Foremen, Mechanics.—Resolution of the Government of India regarding incidence of charge for training in India of Natives for the position of —, communicated to the officers concerned with instructions.

2915/7

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

13th April 1878, No. 352 R.

Railway.

Read the following papers :—

No. 59. Endorsement of the Consulting Engineer for Railways, dated Madras, 2nd April 1878, No. 152.

From R. B. ELWIN, Esq., Agent and Manager of the Madras Railway Company, to the Consulting Engineer for Railways, dated Madras, 29th March 1878, No. 453.

ADVERTING to your letter, No. 134, of the 4th ultimo, I have the honor to enclose for your perusal a copy of the Locomotive Superintendent's letter, No. $\frac{1585}{155}$, of the 19th instant, upon the subject of training natives of India for the position of Foremen Mechanics.

From F. H. TREVITHICK, Esq., Locomotive Superintendent, to the Agent and Manager of the Madras Railway Company, dated Perambore Works, 19th March 1878, No. $\frac{1585}{155}$.

YOUR endorsement to the Consulting Engineer's letter, No. 134, dated 4th February 1878.

Training in India of Natives for the position of Foremen Mechanics.

Under the above heading in Proceedings of Government, dated 22nd May 1877, No. 113 W, alluded to by the Consulting Engineer, it is "remarked that every Railway Workshop forms a training school for artizans, that from these there was no doubt that some men suited for the position of foremen could be obtained, and that to ensure this result it would probably be necessary to attach a school to each large shop where the needful education and scientific knowledge could be imparted to those that gave promise of rising to the position of foremen." Your endorsement to this correspondence was replied to in this office letter, No. 298, of 3rd April 1877.

2. In G.O., No. 219, His Grace the Governor in Council observes "the establishment of special schools in connection with either Railway or Government Workshops is therefore unnecessary, but it seems very desirable that a proper system of apprenticeship at the Workshops should be maintained by means of which the boys could obtain a thorough training in practical work."

3. In reply to the Consulting Engineer's question of what measures have been adopted to give effect to the wishes of Government in regard to the adoption of a proper system of apprenticeship I am unable to report that any special changes have yet been introduced.

4. A large number of the men now employed at Perambore—Natives, East Indians, and Europeans—entered the shops as boys, and have been trained here entirely. The subject under correspondence refers however only to natives, and the system under which they are recruited seems peculiar to the country.

5. When a man dies his widow or other relations who were dependent upon him bring forward another representative of the family who, unless there may be some special objection to him, is generally employed. The older workmen also bring their sons who are always given the preference over outsiders, and many of our very best native workmen have been thus trained under their own fathers.

6. The supply of boys from this source is always in excess of the demand, they learn their trade by slow and sure degrees as they grow up, and many of them turn out excellent workmen.

7. Certain trades are exclusively in the hands of the natives, viz., smiths, carpenters, and painters, and competent adult workmen of these trades can always be procured in all the other trades; also the great majority of the men are natives.

8. The old-fashioned system of apprenticeship by which boys were bound under indentures to serve a given term of years and by which also the masters were bound to employ the boys for a given term has, I believe, been almost entirely abandoned in England as imposing irksome restrictions on both sides for no useful purpose; the same system of indentures was formerly in operation at Perambore, but has been abandoned several years ago.

No. 59-A. From W. S. BETTS, Esq., Agent of the South Indian Railway, to the Consulting Engineer for Railways, dated Negapatam, 18th March 1878, No. 5,067.

IN reply to your letter of the 4th ultimo, No. 131, I have the honor to state that twelve East Indian lads have already been apprenticed, and that a few more lads likely to develop into good mechanics can conveniently be admitted. A copy of the form of agreement which has been adopted for the admission of apprentices is attached. In regard to the apprenticeship of native youths the desire has been to admit them on precisely the same terms as East Indian lads, but it has unfortunately been found that whenever a native youth possesses the requisite preliminary instruction in English he is averse to obtaining his livelihood as an artizan. Some native lads acquainted with English have been offered a place in the shops as fitter-apprentices, but I am sorry to say they have declined. It is known in the neighborhood at the schools, &c., that the Company can employ apprentices, but there is the unfortunate difficulty I have mentioned that the Company is not prepared to accept native or other lads unless they possess some preliminary elementary instruction, and that natives possessed of this qualification will not follow a handicraft.

2. The schools in the various districts traversed by the South Indian Railway are too numerous to admit of my personally communicating with all the Head Masters. I have therefore inserted an advertisement in the newspapers calling attention to the fact that there are a few vacancies for native fitter-apprentices.

Fitters' Agreement Copy.

Agreement between the South Indian Railway Company on the one hand, and Fitter-apprentice on the other.

I, of agree to enter the service of the South Indian Railway Company as a fitter-apprentice for the term of four years from this date , and honestly, faithfully, and zealously to serve the said Company in any way which they may direct whether that may be in the shops or out of doors.

I, J. M. Budge, Acting Locomotive and Carriage Superintendent, agree on account of the said Company to receive the said as fitter-apprentice, and in consideration of his servitude to grant him the following advantages:—

He shall have every opportunity of learning the art of a fitter, both in the shops and out of doors, and during the time of his service he shall receive the following rates of pay:—

	RS.	
For the first year	8	per mensem.
" second year	12	"
" third year	18	"
" fourth year	25	"

When an apprentice is required in the discharge of his duties to move up-country or residing temporarily from home such an allowance shall be made to him for this expense as the Superintendent may consider proper. And, further, a satisfactory report of the said from the Foreman of the Department in which the said is apprenticed will be required to ensure his annual promotion and increase of pay.

Witness.

NEGAPATAM,
18th March 1878.

Ag. Loco. and Carriage Supt.

2915
8

SUBMITTED with reference to the Proceedings of Government, under date the 4th January 1878, No. 16 W.

(Signed) J. H. M. SHAW-STEWART, Col., R.E.,
Consulting Engineer for Railways.

No. 60. ORDER THEREON, 13th April 1878, No. 351 R.

ORDERED to be forwarded to the Government of India.

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

To the Consulting Engineer for Railways.

No. 61. (DOCKET No. 352 R, dated 13th April 1878.)

COPY of the above forwarded to the Government of India with reference to their Resolution, dated 17th December 1877, Circular No. 71, Public Works.

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Railway Branch.

Exd. C. Howarth.
Spare Copies

RAILWAY.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

The SECRETARY to the
GOVERNMENT of INDIA.

Dated 13th April.

Issued

Recd.

Encl.

G. O., 13th April 1878, No. 352 R.

APRIL.

Nos. 59-61.

The Government of India informed with reference to the practicability of natives being trained as Foremen Mechanics.

2915/9

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

7th March 1879, No. 703 W.

General.
Establishment.

Read the following paper :—

No. 120. Despatch from the Right Honorable the Secretary of State for India.

Public Works.
No. 4.

India Office, London,
6th February 1879.

My Lord Duke,—With reference to the circular resolutions by the Government of India in the Public Works Department, No. 35 P.W., dated 29th June 1870, and Nos. 1,598—1,615 E.G., dated 27th November 1876, I shall be glad to be informed whether it has been found practicable by your Government to take any steps in furtherance of the objects indicated by these resolutions, viz., the establishment of schools for the training of Natives as Foremen Mechanics in the Public Works Department of your Presidency.

I have, &c.,
(Signed) CRANBROOK.

His Excellency the Most Noble
The Governor in Council, Fort St. George.

No. 121. Order thereon, 7th March 1879, No. 703 W.

Copies of the undermentioned Proceedings will be forwarded to the Secretary of State :—

22nd May 1877, No. 113 W.
13th April 1878, „ 352 R.
23rd Nov. „ „ 4,465 W.

(True Extrret.)

(Signed) J. H. M. SHAW-STEWART, Colonel, R.E.,
Ag. Secy. to Govt., P.W.D.

Exd. T. D. Ryan.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of (1879) Madras.

PUBLIC WORKS.

To

Dated March 7th.

Issued

Recd. *Exd.*

G. O., 7th March 1879, No. 709 W.

MARCH.

Nos. 120-121

Training of Natives as Foremen Mechanics.—The Secretary of State furnished with copies of Proceedings on the subject of the establishment of schools for —.

2915/10

PUBLIC WORKS DEPARTMENT.

No. 11.

TO THE RIGHT HONORABLE THE SECRETARY OF STATE FOR INDIA.

My Lord,—In reply to your Public Works Despatch, No. 4, of the 6th February 1879, we have the honor to forward copies of our Proceedings noted in the margin on the subject of the establishment of schools for training Natives of this country as Foremen Mechanics.

22nd May 1877, No. 113 W.
13th April 1878, „ 352 R.
23rd Nov. „ „ 4,465 W.

We have the honor to be,
My Lord,
Your Lordship's most obedient, humble servants,

(Signed) BUCKINGHAM AND CHANDOS.
(„) W. HUDLESTON.
(„) D. F. CARMICHAEL.

Fort St. George,
18th March 1879.

Exd T. D. Ryan.

FORT ST. GEORGE.

PUBLIC WORKS DEPARTMENT.

Copy.

Letter to the Right Honorable the Secretary of State for India.

Dated 18th March.
No. 11 of 1879.

FORWARDS copies of Proceedings on the subject of the establishment of schools for training of Natives as Foremen Mechanics.

2915
12

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

27th June 1879, No. 1,707 W.

General.
Establishment.

Read the following :—

No. 129. Despatch from the Right Honorable the Secretary of State for India.

Public Works,
No. 12.

INDIA OFFICE, LONDON,
29th May 1879.

MY LORD DUKE,—Your Grace's letter, No. 11, dated 18th March last, informs me of the proceedings taken by your Government to provide for the more satisfactory training of natives for the position of Foremen mechanics in the Public Works Department.

2. The action which, after consultation with the officers of your Public Works Department, you have thought it advisable to take in this matter is described in G.O., dated 23rd November 1878, No. 4,464 W., and appears to me appropriate.

3. I shall be glad to be kept informed from time to time of the progress made in the training of natives under the operation of the scheme thus instituted by your Government.

I have, &c.,
CRANBROOK.

His Excellency the Most Noble
The Governor in Council, Fort St. George.

No. 130. ORDER THEREON, 27th June 1879, No. 1,707 W.

COMMUNICATED to the officers concerned, who will submit a report on the working of the arrangements ordered to be introduced in Government Proceedings, No. 4,464 W., of the 23rd November 1878, half-yearly; the first report to be sent in on the 1st November next.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, First Circle.
" General Superintendent, Public Works Workshops.
" Consulting Engineer for Railways, with copy of G.O.,
No. 703 W., of 7th March 1879.

Exd. C. Howarth.
Spare Copies

FORT ST. GEORGE.

PUBLIC WORKS DEPARTMENT.

Copy.

Letter to the Right Honorable the Secretary of State for India.

Dated 18*th March.*
No. 11 *of* 1879.

FORWARDS copies of Proceedings on the subject of the establishment of schools for training of Natives as Foremen Mechanics.

2915
12

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

27th June 1879, No. 1,707 W.

General.
Establishment.

Read the following :—

No. 129. Despatch from the Right Honorable the Secretary of State for India.

Public Works,
No. 12.

INDIA OFFICE, LONDON,
29th May 1879.

MY LORD DUKE,—Your Grace's letter, No. 11, dated 18th March last, informs me of the proceedings taken by your Government to provide for the more satisfactory training of natives for the position of Foremen mechanics in the Public Works Department.

2. The action which, after consultation with the officers of your Public Works Department, you have thought it advisable to take in this matter is described in G.O., dated 23rd November 1878, No. 4,464 W., and appears to me appropriate.

3. I shall be glad to be kept informed from time to time of the progress made in the training of natives under the operation of the scheme thus instituted by your Government.

I have, &c.,
CRANBROOK.

His Excellency the Most Noble
The Governor in Council, Fort St. George.

No. 130. ORDER THEREON, 27th June 1879, No. 1,707 W.

COMMUNICATED to the officers concerned, who will submit a report on the working of the arrangements ordered to be introduced in Government Proceedings, No. 4,464 W., of the 23rd November 1878, half-yearly; the first report to be sent in on the 1st November next.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, First Circle.
" General Superintendent, Public Works Workshops.
" Consulting Engineer for Railways, with copy of G.O., No. 703 W., of 7th March 1879.

Exd. C. Howarth.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of [1879] Madras.

PUBLIC WORKS.

To

The SUPERINTENDING ENGINEER,
FIRST CIRCLE,
&c., &c., &c.

Dated June 27th.

Issued

Date, [illegible]

G. O., 27th June 1879, No. 1,707 W.

JUNE.
Nos. 129-130.

Training of Natives for the position of Artisan Mechanics.—Despatch from the Secretary of State on the subject of, communicated to the officers concerned with instructions.

2915/13

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

7th June 1880, No. 1,332 W.

General.
Establishment.

Read the following papers:—

No. 9. From G. T. WALCH, Esq., Superintendent of Works, Godávari District, to the Chief Engineer, Public Works Department, dated Chettipett, 11th May 1880, No. 415.

With reference to G.O., No. 1,707 W., of 27th June 1879, I have the honor to forward, herewith, statement of Native Apprentices entertained in the Government Workshops, Dowlaishweram, for the half-year ending 30th April 1880, and to state that during the last six months the Deputy Superintendent of the Workshops has retired and no one has been appointed in his place, and that there have been changes in the officers in charge of the workshops and range which have interfered with the arrangements as regards the employment of another Apprentice, but the officer in charge of the workshops will now take steps to engage him.

Statement regarding the Native Apprentice entertained in Machine Shop of the Government Workshop, Dowlaishweram, on the 30th April 1880.

Name.	Knowledge of Work.	Work employed upon.	Conduct.	Remarks.
Mandapati Narsiah ..	Slotting, planing, and turning.	Sluice gearing box, locks, &c.	Very good ..	Reading Telugu and English, writing Telugu and a little English; Arithmetic as far as Practice; age 14 years; pay Rs. 2-8-0 per mensem.

(Signed) J. C. LARMINIE, Executive Engineer,
In charge, Government Workshop.

Dowlaishweram,
11th May 1880.

(Signed) G. T. WALCH,
Supt. of Works, Godávari District.

No. 9-A. From G. T. WALCH, Esq., Superintendent of Works, Godávari District, to the Chief Engineer, Public Works Department, dated Narsápur, 18th May 1880, No. 480.

In continuation of my letter, No. 415, of the 11th instant, I have the honor to report that the officer in charge of Government Workshops, Dowlaishweram, informs me that a boy of 14 years of age, named Dharanalacota Chinniah, inhabitant of Dowlaishweram and whose family are carpenters, has been taken on as second Apprentice from the 5th May 1880.

2. He can read and write Telugu and knows something of arithmetic with English figures.

3. He will receive for the present Rs. 2-8-0 a month.

4. The regular indenture will be executed shortly.

No. 9-B. From Lieutenant W. L. C. BADDELEY, R.E., General Superintendent, Public Works Workshops, to the Chief Engineer, Public Works Department, dated Madras, 20th May 1880, No. 472 W.

With reference to G.O., No. 1,707 W., dated 27th June 1879, I have the honor to forward the half-yearly report on the Native Apprentices of the Public Works Workshops.

2. The Carpenter boys have all made steady progress in work; they are very regular in attendance, evidently like the trade, and are sure to become eventually as good workmen as any in the shop.

3. In paragraph 4 of my last report on this subject, No. 3,567 W., dated 3rd December 1879, I stated that the next batch of Apprentices would be taken on in the Smith's Shop; but having made some alterations in the system of working the Foundry, I thought it would be better to begin at once with Apprentices in this branch of work, and accordingly the four boys noted in the accompanying statement were entertained on the 1st April 1880.

HALF-YEARLY Report of the four Native Apprentices entertained in the Carpenters' Shop of the Presidency Public Works Workshops on the 1st April 1879 for the half-year ending 31st March 1880.

Name.	Knowledge of Work.	Work employed upon.	Conduct.	Remarks.
Jegganathen	Planing, morticing, tennoning, dovetailing.	Fitting scales in the boxes, stands repaired, patterns for stamping machine, wooden buckets repaired, planing planks for cabins of boats, hand cart repaired, pattern railing, pattern pipe, pattern for fire bars, wood-work for sluice shutters, chairs repaired, and seats for garden chairs.	Very good ..	Reading Tamil and little English, writing Tamil; simple Arithmetic as far as Division; age 15; pay 5 annas a day.
Nagarathnam	Do. do. ..	Do. do. ..	Do. ..	Do. do. age 14; pay 5 annas a day.
K. Soobroyen	Do. do. ..	Do. do. ..	Do. ..	Reading Tamil and little English, writing Tamil, simple Arithmetic; age 15; pay 5 annas a day.
Lutchumanen	Do. do. ..	Handles for hammers, &c., planing planks for cabins of boats and chiefly assisting pattern makers.	Do. ..	Reading Telugu and little English, writing Telugu; simple Arithmetic as far as Division; age 13; pay 5 annas a day.

STATEMENT regarding the Native Apprentices entertained in the Foundry of the Presidency Public Works Workshops on the 1st April 1880.

Name.	Work employed upon.	Remarks.
P. Mooroogasen ...	Learning moulding work.	Reading Tamil and little English, writing Tamil; Arithmetic, Simple Addition; age 14; pay 4 annas a day; relative of Turner Maistry, was employed in the Workshops previous to entertainment as Apprentice.
C. Lazar	Do. do. ...	Do. do. son of list cooly.
Cooppen	Do. do. ...	Do. do. son of Foundry Maistry.
Narasimmooloo ...	Do. do. ...	Do. do. son of list cooly.

All work in the foundry being by the piece, the Workshop only directly pays these boys 2 annas, the remaining 2 annas being paid by the men under whom they are employed.

MADRAS,
20th May 1880.

(Signed) W. L. C. BADDELEY, Lieut., R.E.,
General Superintendent, Public Works Workshops.

2915/14

No. 10. ORDER THEREON, 7th June 1880, No. 1,332 W.

ORDERED to be recorded.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the General Superintendent, Public Works Workshops.
" Superintendent of Works, Godávari.
" Educational Department.

Exd. E. C. Shunker.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of (1880) Madras.

PUBLIC WORKS.

To

THE GENERAL SUPERINTENDENT,
OF PUBLIC WORKS WORKSHOPS,
&c., &c., &c.

Dated June, 7th.

Issued

Recd. *Encl.*

G. O., 7th June 1880, *No.* 1,332 W.

JUNE.
Nos. 9-10.

Native Apprentices.—The half-yearly report on the — entertained in the Public Works Workshops, Madras and Dowlaishweram, recorded.

put up papers for 27/10/80.

P.W.D.
27OCT80
No 6793

2915/13

Half yearly report of the Native Apprentices of the P.W. Workshops for the half year ending 30th September 1880.

Names.	Knowledge of Work.	Work employed upon	Conduct	Remarks
	Carpenters Shop.			
Jaganathan	Planing Mortising Tenoning Dovetailing	Sluice Shutter, Levelling staves, Stands for levels, fitting up boxes for Heliostats	Very good	Pay 5 Ans.
Nagarathnum	"	Sluice Shutter, File presses packing case for Signalling lamps; Doors + Windows.	Do.	Do.
Eebaroyan	"	Do.	Do.	Do.
Lutchmenan.	"	Assisting pattern makers.	Do.	Do.
	Foundry.			
Moorogasan.	The rudiments of moulding and different processes connected with Iron Casting	Moulding and Assisting in the general work	Do.	Pay 4 Ans.
C. Lazar.	"	Do.	Do.	Do.
Cooper.	"	Do.	Do.	Do.
Narasimmaloo.	"	Do.	Do.	Do.

W C Biddle
Lieut. R.E.
Genl. Depôt Supt. P.W. Workshops

Madras
P. W. Workshops
26th ~~Oct~~ 1880

PUBLIC WORKS ~~STORE~~ Workshops DEPARTMENT,
Madras, 26th October 1880.

No. 2003. W

2715/16

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES AND WORKSHOPS,

To

THE Chief Engineer
P. W. D.
Madras.

REFERENCE.— letter No. dated

Enclosure 1

SIR,

With reference to G. O. No. 170 W. of 27th June/79, I have the honor to forward the half yearly Report on the Native Apprentices of the Public Works Workshops. All the boys are working in a most satisfactory manner.

I have the honor to be,
Sir,
Your most obedient Servant
Lieut R.E.
Genl Supdt Pub: Wks Workshops

F. W. Rundall
Superintendent of Works Kistna

P.W.D.
27 OCT 80
No 6793

A-1

From
The General Superintendent,
Public Works Stores,

To
The Chief Engineer
D.P.W.
Fort St. George

Dated 26 } Octr 1880.
Received }

No. 2003 W
Enclosure 1

Subject
Forwards half
Yearly Report on the
Native Apprentices
of this Factory for half
Year ending 30 Septr
with his remarks

Cw 15. 12. 80 R 20. 12. 80

No 1648

Superintendent of Works Office Kistna
Masulipatam 30th October 1880
Desp 31st Novr / 80

From
The Superintendent of Works
Kistna

To
The Chief Engineer
P. W. department
Madras

291/17

Sir,

With reference to G. O. No 1717 dated 27th June 1879, I have the honor to report, that two apprentices named Buttha Bhushnam and Mamillapilly Bramham, each aged 11 years 6 months, and 12 years 6 months respectively were entertained in the Workshop at Bezwada.

dated 27th June 1879.

2. The two boys are in receipt of a monthly Salary of Rs 1, and are at present learning the rudiments of Carpentry. Their conduct has been good, and they can read and write Telugu fairly, and possess a small knowledge of arithmetic.

I have the honor to be
Sir
Your Most obedient Servt

J. W. Rundall
Superintendent of Works Kistna

P.W.D.
4 NOV 80

From

No. ________

The Superintendent of Works
Kistna

To

The Chief Engineer
P. W. Deptt.

Dated 30 October /80
Despd 1st Novr /80.

No. 1648

Bezwada Workshop
Apprentices employed in the — Reports the names of — as well as their qualification

Cr R. 12. 80 D R 20.12.80

Godavari District

Statement regarding the Native Apprentices entertained in Machine and Carpenter shops of the Government Workshops Dowlaishwaram for the half year ending 31st October, 1880

Name	Knowledge of Work	Work employed upon	Conduct	Remarks
Mandapati Narsiah	Slotting, planing and Turning	Box locks &c.	very good	Reads Telugu and English. Writes Telugu and a little English; Arithmetic as far as Compound rules; age 15 years, pay Rs 2-8-- per mensem
Darnalacotta Chinniah	Planing - mortising and Tenoning	Planing planks, hammer handles &c.	very good	Reads Telugu and English. Writes Telugu and a little English; Arithmetic 4 simple rules; age 14 years; Pay 2-8-0 per mensem

Supdt. of Works office Godavari
26th November 1880
Despd 27th D°

To
Chief Engineer
P. W. Department with reference to G. O. No 1707 W. dated 27th June 1879.

C. Stewart
Superintendent of Works
Godavari

(sd). J. C. Lammie
Executive Engineer
Eastern Dn G. D.

P.W. C.M 7717

f.O. 351 R. 13.12.78
— — 4464 D. 23.11.78
— — 1707 D. 27.6.79
— — 1332 D. 7.6.80 Orig —

From
The Superintendent
of Works Godavari

To The Chief Engineer
P.W.D.
Madras

Dated 26th } November 80
Despd. 27th }
Received 6/12/80.

2915

Statement regarding the Native Apprentices entertained in Machine and Carpenter shops of the Government Workshops Dowlaishweram for the Half Year ending 31st October 1880

Cir 13-12-80 R 20.12.80

PUBLIC WORKS DEPARTMENT.

2915/18

From the Genl. Supdt. P.W. Stores No. 2003 W d/ 26th Octr/80.
— — Supdt. of Works Kistna No. 1648 d/ 30th — —
— — do Godavari No. — d/ 26th Novr. —

FOR ORDERS.

Whether the reports for the last half year are to be sent to the Secretary of State with reference to the remarks of His Grace the Governor on the returns of the previous half year.

A. W. Sankey Col. R.E.

Secy. to Govt. P.W.D.

S

15th Decr/80.

R.S.

~~FOR ORDERS.~~

~~Hon. Mr. Hudleston~~

2 ~~abstract~~

Half yearly reports of Native apprentices

from orders A

No 2915 W of 20 Decr/80

B These reports will be recorded. The reports for the next half year should give more information as to the progress of the apprentices, and should indicate the general effects of the scheme so far as can be judged. The information will be laid before the Home Government.

20/12/80

Supt. of Works Kistna

" " Godavari

Genl. Supt. P.W.D. & Workshops.

29.12.80

Cir 13.12.80 R 20.12.80

2915/20

Cr 7717 &c

Govt. of ~~(1879)~~ 1880 Madras.

PUBLIC WORKS.

To

Dated 21

Issued

Recd. Encl.

G. O. 20ᵗʰ Dec ~~1879~~ 1880 No. 2915W.

Nos. 75-76

Native Apprentices

Halfyearly reports of — recorded with remark.

39/4