(1) பக்கங்களின் எண்ணிக்கை 56
(2) புதுக்கித் திருப்பிய நாள் 13-10-88
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண். 2671 அச்சகம்
மு. கோப்புத் தாள் எண். பலவகை

29
நாள் : 20- 10 -1884 ~~19~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

28

கே. ரு

ஆவண. கா-1—18,006—15-6-87.

2671/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Masulipatam, 27th August 1884, No. 1452 K.S.

I have the honor, with reference to G.O., No. 1909 W., of the 6th instant to report that the Executive Engineer, Kistna Eastern division, has the Bezváda Workshop apprentices at his office every working day from 2 to 4 P.M.

2. These youths are, for this period, taught reading, writing and arithmetic by a man specially appointed for the purpose, who is paid from the general charges of the workshop.

3. The lads are reported by the Executive Engineer to make good progress and to be anxious to learn, but, as a rule, they have very little knowledge of either reading or writing when we first get them.

Enclosure.

From C. C. PHIPPS, Esq., Acting Locomotive Superintendent, Madras Railway Company, to the Agent and Manager, dated Perambúr, 19th September 1884, No. $\frac{5326}{523}$.

[Your No. 4353, of the 18th instant.]

No arrangements, so far as this department is concerned, are in existence for securing a good elementary education to the native apprentices in training as foreman mechanics in the workshops at Perambúr. The lads are believed to have received an elementary education previous to their being transferred to these shops, and it is understood by us that the only training they will receive, so far as this department is concerned, during the time spent at Perambúr will be in the practical application of their several trades.

No. 657.

The Consulting Engineer for Railways for information with reference to his letter, No. 526, of the 12th ultimo.

(Signed) A. M. SAUNDERS,
Agent and Manager.

23rd September 1884.

No. 237.

Endorsement on the above.

Submitted to Government with reference to the Proceedings of Government, No. 1909 W., dated 6th August 1884.

(Signed) SIDNEY SMITH, Major, R.E.,
for Consulting Engineer for Railways.

24th September 1884.

From Captain C. C. RAWSON, R.E., Executive Engineer, in charge, Government Workshop, to the Superintending Engineer, I Circle, dated Dowlaishweram, 2nd October 1884, No. 794.

[Your Endorsement, No. 1382 G.D., dated 29th August 1884.]

With reference to G.O., No. 1909 W., dated 6th August 1884, received with the above, I have the honor to report that in view to secure a good elementary education for the apprentices under training in the Dowlaishweram Workshops, an artificer has been deputed for the purpose who teaches them from 6 to 8 A.M. daily. The man has a fair knowledge in English and Telugu.

No. 1738 G.D.

Endorsement on the above.

Copy submitted to Chief Engineer, Public Works Department, for information, with reference to G.O., No. 1909 W., dated 6th August 1884.

Dowlaishweram,
8th October 1884.

(Signed) W. A. MATHEWS,
Asst. Engr., *for* Supg. Engr., I Circle.

Order—dated 29th October 1884, No. 2671 W., Public Works.

Ordered that the Secretary of State be addressed.

(True Extract.)

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

To the Superintending Engineer, I Circle.
" " " II "
" Consulting Engineer for Railways.

Exd. A. Grubert.
Spare Copies

2671
2

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated October, 29th.

Recd. *Encl.*

G.O., 29th Oct. 1884, No. 2671 W.

OCTOBER.

Native Apprentices

Reports on existing arrangements for securing a good elementary education for the — in Government Workshops.

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3

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

23rd November 1878, No. 4,465 W.

General.
Establishment.

Read the following papers:—

No. 259. From Major J. O. HASTED, R.E., Superintending Engineer, Kistna District, to the Chief Engineer and Secretary to Government, Public Works Department, dated Masulipatam, 21st January 1878, No. 197.

WITH reference to G.O., No. 16 W, dated 4th January 1878, I have the honor to report that I have lately taken into the Bezwada Workshop three East Indian lads as apprentices.

2. The apprentices are not bound in any way, but have been selected by me on the understanding that they will serve in the shops for three years. They are all intelligent lads, and have been educated to some extent, and are placed specially under the Superintendent of Workshops, who is a trained mechanic, for instruction. Their pay is 7 Rupees per mensem.

3. I hope to be able to arrange shortly that they shall be instructed daily in writing, arithmetic, and drawing to begin with, but at present I have no one available to instruct them.

No. 259-A. Endorsement of the District Engineer, Presidency, dated 14th February 1878, No. 6,423.

From J. N. GRAINGER, Esq., General Superintendent, Public Works Workshops, to the District Engineer, Presidency, dated Madras, 11th February 1878, No. 3,442.

WITH reference to your endorsement, No. 5,809, of 17th January 1878, on G.O., dated 4th idem, No. 16 W, I have the honor to state that apprentices are entertained only in the Instrument Department of the Workshops.

2. These apprenticeships were sanctioned in G.O., Nos. 1,189, 2,251, dated 11th May 1863 and 17th July 1866. They attend work with the workmen and receive Rupees 10 per mensem for the first year, working up to Rupees 25 to the fifth year, according to qualification and conduct. After their apprenticeship has expired they are retained in the Instrument Department as workmen. All repairs to instruments are now done by them.

3. The Mathematical Instrument Maker received Rupees 15 per mensem for each of the six apprentices sanctioned in the above Government Orders.

4. In the Mechanical Department no apprentices are entertained, but lads are taken on in the different shops, where they are supposed to serve five years, on similar terms as the Instrument Department Apprentices, before they are considered workmen.

5. Neither apprentices nor boys pass any examination when entertained, but are simply taken on when a vacancy occurs on the recommendation of gentlemen in Madras who give them a letter.

3

6. With few exceptions they do not prove a success, for lads of their age and inclinations require to be kept under restraint similar to that of the Artificer School in the Gun Carriage Factory. The Workshops, being self-supporting, could not incur the expense of such a school without a fixed budget allotment for that purpose. If this is granted we may commence, say with 20 boys, locating them in part of the late Civil Orphan Asylum building situated about a quarter of a mile from the Workshops, and where there is ample accommodation in the way of sleeping, dining, and school-rooms. The number may be increased by five yearly admittances by examination in reading, writing, and arithmetic. A Sergeant would be required to look after them when not at work; also a Schoolmaster and house servants, so that the cost per boy per mensem, including Superintendent's allowance of Rupees 5 for each boy, would probably be Rupees 30, or Rupees 7,200 per annum for 20 boys.

7. Such a scheme is, I think, too expensive for the results that are likely to be obtained; for at the end of the apprenticeship they may seek other employment than Government service.

8. The above scheme is intended for Eurasians or Europeans domiciled in Madras, who, I believe, are considered natives, but if all classes are to have the benefit of the apprenticeships we must give up the idea of feeding and clothing them.

9. My experience is that the Native is better than the Eurasian for out-door work such as these men would have to do if employed in the districts where, I suppose, it is intended they shall have the standing of an Overseer, and be available for general use. I think, therefore, that the best means for obtaining the best men from these two classes will be to engage them in the Workshops as apprentices at from fifteen to eighteen years of age when they should pass an examination in reading, writing, and arithmetic. That the apprenticeship should be for five years, during which time they should pass three months in each of the shops, viz., blacksmiths' foundry and carpenters' after being two years apprenticed, and that the last six months of their time be spent in the drawing office. During the whole of the five years two half days a week should be set apart for attending school.

10. Their pay to be Rupees 15 per mensem for the first two years, and then increase yearly by Rupees 5 up to Rupees 30 for the fifth year, but no increase of pay to be given until the suitable examination, for each increase, has been passed. Five apprentices may be taken on yearly if Government can guarantee them employment after they have served their time.

11. A budget allotment of two-thirds of their pay should be made by Government, the remaining one-third being paid by the Workshops. By the adoption of the latter scheme a better class can be obtained with less cost to Government.

SUBMITTED to the Chief Engineer, Public Works Department, with reference to G.O., No. 16 W, dated 4th January 1878.

(Signed) ROSS THOMPSON, Major, R.E.,
District Engineer, Presidency.

No. 159-B. From Lieutenant-Colonel J. BEATTY, R.E., Superintending Engineer, Godavari, to the Chief Engineer, Public Works Department, dated Dowlaishvaram, 29th March 1878, No. 4,104.

As directed in G.O., No. 16 W, of 4th January 1878, I have the honor to report on the steps to be adopted for giving effect to the wish of Government for maintaining a proper system of apprenticeship, and giving a thorough training to the boys employed at the Dowlaishvaram Workshops.

2. At present the Native and East Indian lads who come to these Workshops have little or no education, and do not receive such a training as would fit them for employment as Foremen Mechanics.

3. The young natives are perfectly ignorant even of reading and writing their own language when they enter the shops, and receive no education while there. They usually commence as bellows boys, and according as they show an inclination for some particular kind of work they are employed as carpenters, vicemen, smiths, or moulders. In course of time, according to the ability each man shows in his work, his pay is raised. Good carpenters can earn 13 Rupees a month, and first class smiths 20 Rupees. But the shops cannot afford to offer inducements to these men to enter into an engagement to serve for a term of years and go through a training in the different kinds of work, nor can they afford to maintain a school for the boys and give them some education.

4. There are generally four or five East Indian boys in the shops, who enter about thirteen or fourteen years of age, are allowed 5 Rupees a month from the shops at starting, and have their pay raised according to the value of their work up to 20 or 25 Rupees. Present inducements are insufficient to attract any but the very poorest East Indians with little or no education.

5. To improve the system and attract a better class of men Government aid is needed. It is proposed that the shops should always have under training ten East Indian and ten Native Apprentices, that these apprentices should be induced by the offer of extra pay to sign written agreements to serve in the shops for a period of five years, and that they should have two or three hours of schooling daily, to teach them to speak and write English and give them some knowledge of arithmetic.

6. The grant required from Government to carry out the new system of apprenticing is as follows:—

	RS.
Extra pay to ten native boys, at 5 Rupees per mensem	600
Do. to ten East Indians, at 10 Rupees	1,200
One East Indian Schoolmaster, at 60 Rupees per mensem	720
	2,520
Books and writing materials	280
Total annual grant ...	2,800

7. The East Indian apprentices should be allowed free quarters, and be under the constant supervision of the Deputy Superintendent of the Workshops; consequently some extra expense for buildings for their accommodation would be needed on starting the system.

No. 159-C. Read again G.O., No. 351 R, dated 13th April 1878.

No. 160. ORDER THEREON, 23rd November 1878, No. 4,464 W.

THE proposals for carrying into effect the wishes of the Government of India with regard to the training of native apprentices in the Workshops of this Presidency, which have been made in the foregoing letters, are in the opinion of the Government too costly, and any possible return for the expenditure too uncertain, to allow of their being adopted at present. His Grace the Governor in Council conceives that the native artisan caste system may with advantage be taken as the basis of an apprentice system.

2. Experience in England and on the continent has shown that a term of five years is not too long for apprentices, if it be desired that they shall have such a thorough training as will make them really good mechanics; and His Grace in Council considers that for native boys, who most probably begin to assist their parents, as bellows boys or in other ways when about ten years old, the age of twelve is the most suitable at which they can be apprenticed.

3. Those lads who are taken on should be able to pass a simple qualifying examination in reading, writing, and summing in their own vernacular; the last in English figures. During their apprenticeship of five years they should be passed regularly through the machine, handicraft, smiths', braziers, and carpentry shops, according to the class of work carried on, and the peculiar bent of the individual. They should be paid the rates payable to boys of similar age, and encouraged by annual or half-yearly increments according to the proficiency displayed by them.

4. At the expiration of the full term of training a small premium will be paid to such of the apprentices as shall be certified on trial by the Superintendent of the Workshops to be properly skilled, and for each apprentice a sum of Rupees 75 will be paid to the foreman or person in charge of each mechanical department of the shops when the apprentice leaves the department or shop being certified by the Superintendent to have been thoroughly taught and be skilled in the particular branch.

5. These payments should be the only expense to Government, as the lads will earn their own pay.

6. The number of boys to be taken on annually may be at present fixed at four at the Presidency Workshops and two at Dowlaishvaram and Bezwada, respectively; they should be Tamil or Telugu lads, and generally the sons of the workmen. The Government direct that immediate effect be given to these orders, which need not interfere with any existing arrangement at the Workshops for training East Indian or Native boys, provided that no additional expense is involved. The Superintendents must see that the tests are real, and such as will indicate accuracy and correctness of eye and touch, cleverness in manipulation of tools, and, in the case of carpentry, in mode of construction; and in both carpentry, mechanical and smiths' work, it is most necessary that some moving parts should always be formed, the ease of movement indicating, as a general rule, the goodness of the work.

7. Ordered that a copy of these Proceedings be forwarded to the Government of India for information with reference to their resolution on the subject.

Circular No. 71 P W, dated 17th Dec. 1877.

(True Extract.)

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

To the Superintending Engineers, First and Third Circles.
" Educational Department.
" Examiner of Public Works Accounts.

No. 261. (DOCKET No. 4,465 W, dated 23rd November 1878.)

COPY of the above forwarded to the Government of India.

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

Exd. C. Howarth.

Spare Copies

X

GENERAL.
ESTABLISHMENT.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

The SECRETARY to the
GOVERNMENT of INDIA.

Dated November 23rd.

Issued

Recd. *Encl.*

G. O., 23rd November 1878, No. 4,465 W.

NOVEMBER.

Nos. 259-261.

Training of Native Apprentices for Foremen Mechanics.

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2671/6

PUBLIC WORKS DEPARTMENT.

No. 11.

TO THE RIGHT HONORABLE THE SECRETARY OF STATE FOR INDIA.

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

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.

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

Fort St. George,
18th March 1879.

Exd T. D. Ryan.

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2671/7

FORT ST. GEORGE.

PUBLIC WORKS DEPARTMENT.

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.

2671/8

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

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

General.
Establishment.

Read the following :—

No. 129. Despatch from the Right Honourable 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

7

GENERAL.
ESTABLISHMENT.

Govt. of (1879) Madras.

PUBLIC WORKS.

To

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

Dated June 27th.

Issued.

Recd.

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

JUNE.
Nos. 129-130.

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

29th November 1883, No. 3413 W., Public Works.

2671/9

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

GODAVARI DISTRICT.

Government Workshops, Dowlaishweram.

Statement regarding the Native Apprentices entertained in the Dowlaishweram Workshops up to 15th October 1883.

No.	Name.	Age.		Pay.	When Entertained.	Knowledge of Work.	Work employed upon.	Conduct.	General Remarks.
		Y.	M.	RS.					
1	Mandapaty Narasiah.	18	0	7	June 1879.	Turning, screw-gearing, fitting.	Screw cutting.	Good.	Reads and writes English and Telugu. Arithmetic, as far as fractions.
2	Durnalacota Chinniah.	17	0	7	May 1880.	Planing and mortising and tennoning.	Furniture and cabinet making.	Do.	Reads and writes English and Telugu. Arithmetic, as far as compound fraction rules.
3	Annadevera Venkanna.	16	0	4	Oct. 1881.	Filing and fitting.	Locks making.	Do.	Reads and writes Telugu. Learning to read English.
4	Angara Venkatasubbarayudoo	15	0	4	Do.	Planning and mortising.	Rattaning chairs cots, &c.	Do.	Do. do.
5	Kovvadapu Anandam.	15	6	2½	Dec. 1882.	Learning to plane.	Planing roof work.	Do.	Do. do.
6	Burrey Veerabhadrudu	13	6	2½	Sept. 1883.	Do.	Hammer handles.	Do.	Do. do. Has been newly appointed, *vice* Syde Ahamad, deceased. Indenture will follow.
7	Jaine Venkanna ..	14	6	3	Dec. 1883.	Planing and mortising.	Lock gates.	Do.	Reads and writes Telugu. Learning to read English.
8	Kadali Veeraswamy ..	13	6	2½	Do.	Learning to plane.	Planing roof work.	Do.	Do.
9	Prasadi Thaliah ..	14	6	2½	Do.	Do.	Do.	Do.	Do.
10	Thamarapilli Seethiah.	13	6	2½	Jan. 1883.	Do.	Do.	Do.	Do.

(Signed) C. C. RAWSON, Captain, R.E.,
Executive Engineer.

Dowlaishweram,
26th October 1883.

W. JOPP, Assistant Engineer,
for Offg. Superintending Engineer, First Circle.

To the Chief Engineer, Public Works Department.

8

Report on the Training of Natives as Foremen Mechanics entertained in Bezváda Workshops for the Half-year ending 30th September 1883.

No.	Names.	Age.	Daily Rate of Pay. RS. A. P.	When Entertained.	Knowledge of Work.	Work employed upon.	Conduct.	General Remarks.
1	Mamillapally Bramham.	15½	0 1 6	25th April 1880.	Mortising and fitting.	Screw gearing shutters and lock gates.	Good	Can read and write a little.
2	Panchacarla Sashayya	13	0 1 6	1st Oct. 1881.	Do. ..	Do. ..	Do.	Do.
3	Kota Somaya ..	12½	0 1 6	1st ,, ,,	A little chipping and fitting.	Do. ..	Do.	Can write a little.
4	Mekala Gopalaswamy	11½	0 0 7	7th May 1883.	Learning planing.	Do. ..	Do.	Can read and write a little.
5	Attile Mallikharjanudu.	10½	0 0 7	7th ,, ,,	Do. ..	Do. ..	Do.	Do.
6	Battu Semiyone ..	..	..	..	..	..	..	Absent without leave for two months.

N.B.—All are being taught reading, writing, and arithmetic.

Bezvada,
22nd October 1883.

(Signed) J. D. GRANT,
Executive Engineer, Eastern Delta, Kistna.

26th October 1883.

(Signed) J. W. RUNDALL,
Superintending Engineer, Second Circle.

From the Acting Consulting Engineer for Railways, dated Madras, 23rd November 1883, No. 328.

Statement regarding the Native Apprentices entertained in Perambúr Works, Madras Railway.

No.	Names.	Age.	Pay. RS. A. P.	When Entertained.	Knowledge of Work.	Work employed upon.	Conduct.	Remarks.
1	Jagganathen ..	20	0 6 0	7th Dec. 1882..	Good ..	Carriage building.	Good.	Reads and writes English.
2	Nagaruthnum ..	18	0 6 0	7th ,, ,, ..	Fair ..	Do. ..	Do.	Do.
3	Lutchumonen ..	18	0 6 0	7th ,, ,, ..	Good ..	Do. ..	Do.	Do.
4	Soobroyen ..	19	0 5 0	7th ,, ,, ..	Fair ..	Do. ..	Do.	Can read and write English, but speaks it very little.
5	C. Lazar	21	0 5 0	4th ,, ,, ..	Fairly good ..	General work ..	Do.	Speaks English a little.
6	Coopoosawmy ..	..	..	..	..	..	..	Discharged after three months' absence.
7	Davarajoo ..	17	0 4 0	4th Dec. 1882..	Very good ..	Small work ..	Do.	..
8	Rajoo	20	0 4 0	4th ,, ,, ..	Do. ..	Light castings..	Do.	..
9	Ramanjooloo ..	21	0 4 0	7th ,, ,, ..	Can use their tools very fairly, and fair workmen.	Fitter, erecting shop.	Do.	Speaks, reads and writes English.
10	Varatharajooloo ..	18	0 4 0	7th ,, ,, ..		Do. ..	Do.	Do.
11	Comarasawmy ..	19	0 4 0	7th ,, ,, ..		Do. ..	Do.	Do.
12	Kistnasawmy ..	..	..	..	..	..	..	Absconded in May 1883.

Perambur Works,
19th November 1883.

(Signed) F. H. TREVITHICK,
Locomotive Superintendent.

(Signed) J. W. MELLIS,
for Agent and Manager.

Submitted for the information of Government with reference to Proceedings of Government, No. 3051 W., dated 26th October 1883, and for transmission to the Secretary of State.

Madras,
23rd November 1883.

(Signed) SIDNEY SMITH, Major, R.E.,
for Ag. Consulting Engineer for Railways.

Order—dated 29th November 1883, No. 3413 W., Public Works.

Ordered that the foregoing reports be forwarded to the Secretary of State and the Government of India.

(Here enter No. 3414 W., dated 29th November 1883.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

2671/10

To the Superintending Engineer, First Circle.
" " Second "
" Consulting Engineer for Railways.

Exd. A. F. Goodall.
Spare Copies

9

GENERAL.
ESTABLISHMENT.

Gobt. of (1883) Madras.

PUBLIC WORKS.

Dated November, 29th.

Recd. *Encl.*

G.O., 29th Nov. 1883, No. 3413 W.

NOVEMBER.

Apprentices

The reports on the training of native — as foremen mechanics for the half-year ending 30th September 1883, ordered to be forwarded to the Secretary of State and the Government of India.

2671/11

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 25th March 1884, No. 3707 G.D.

With reference to G.O., No. 141 W., dated the 17th January 1884, I have the honor to submit herewith statements* in the prescribed form for 1881-82 and 1882-83 on the training of apprentices in the Government Workshops, Dowlaishweram.

* Two.

Enclosures.

Results of the Native Apprentices entertained in Dowlaishweram Workshops for 1881-82.

Statement A, showing the Number of Apprentices employed during the Year 1881-82.

Races.	Fitters.	Carpenters.	Moulders.	Others.	Total.	Remarks.
Hindus	1	1	...	...	2	
Muhammadans, &c. ...	...	...	...	...	...	

Statement B, showing the Number of Trained Men turned out during the Year 1881-82.

Nil.

Statement C, showing the Employments obtained by the Apprentices who completed Training as in Statement B.

Nil.

Statement D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C., employed by the several Classes of Employers.

Nil.

(Signed) C. C. RAWSON, Captain, R.E.,
Executive Engineer.
(Signed) G. T. WALCH,
Offg. Superintending Engineer, I Circle.

Results of the Native Apprentices entertained in Dowlaishweram Workshops for 1882-83.

Statement A, showing the Number of Apprentices employed during the year 1882-83.

Races.	Fitters.	Carpenters.	Moulders.	Others.	Total.	Remarks.
Hindus	...	4	...	...	4	
Muhammadans	...	1	...	...	1	
Native Christians, &c. ...	...	1	...	...	1	
Total ...	...	6	...	...	6	

STATEMENT B, showing the Number of Trained Men turned out during the Year 1882-83.

Nil.

STATEMENT C, showing the Employments obtained by the Apprentices who completed Training as in Statement B.

Nil.

STATEMENT D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C., employed by the several Classes of Employers.

Nil.

(Signed) C. C. RAWSON, Captain, R.E.,
Executive Engineer.

(Signed) G. T. WALCH,
Offg. Superintending Engineer, I Circle.

From J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Cowtaram, 22nd March 1884, No. 3251 K.S. :—

With reference to your reminder No. $\frac{141\ W.}{1}$ of the 3rd instant, I have the honor to submit herewith statements in the prescribed form of the results of training apprentices for Foreman Mechanics in the Bezváda Workshop up to 1881-82 and for 1882-83.

1 Statement A.
1 Statement B, C and D.

2. I would, however, point out that it can hardly be said that our apprentices are being trained for *Foremen* Mechanics.

3. The class of boys we are able to get are ill-educated, and I think few of them will ever be likely to rise above the artizan.

ENCLOSURE.

STATEMENT A, showing Number of Apprentices employed during the Year 1881-82 in the Government Workshop, Bezváda, Kistna.

Race.	Fitters.	Carpenters.	Moulders.	Mathematical Instrument-makers.	Turners.	Blacksmiths.	Pattern-makers.	Others.	Total.
Hindus	1	2	..	..	..	..	..	..	3
Muhammadans	..	..	..	..	..	..	..	..	..
Parsis	..	..	..	..	..	..	..	..	..
Native Christians	..	1	..	..	..	..	..	..	1
Europeans and Eurasians ..	..	..	..	..	..	..	..	..	..
Total ..	1	3	..	..	..	..	..	..	..

BEZVADA,
17th March 1884.

(Signed) J. W. RUNDALL,
Superintending Engineer, II Circle.

(Signed) J. D. GRANT,
Executive Engineer, Eastern Division.

STATEMENT B, showing Number of Trained Men turned out during the Year 1881-82 in the Government Workshop, Bezváda, Kistna.

Nil.

2671/12

STATEMENT C, showing Employment obtained by the Apprentices who completed Training as in the Statement B during 1881-82 in the Government Workshop, Bezváda, Kistna.

Nil.

STATEMENT D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C, employed by the several Classes of Employers during the Year 1882-83.

Nil.

COWTARAM,
22nd March 1884.

(Signed) J. W. RUNDALL,
Superintending Engineer, II Circle.

From the Consulting Engineer for Railways, dated Madras, 25th February 1884, No. 67.

MADRAS RAILWAY.

STATEMENT A, showing Number of Apprentices employed during Year 1881-82.

Nil.

STATEMENT B, showing Number of Trained Men turned out during the Year 1881-82.

Nil.

STATEMENT C, showing Employment obtained by the Apprentices who completed Training as in Statement B during 1881-82.

Nil.

STATEMENT D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C, employed by the several Classes of Employers during 1881-82.

Nil.

PERAMBUR WORKS,
25th January 1884.

(Signed) F. H. TREVITHICK,
Locomotive Superintendent.

STATEMENT A, showing Number of Apprentices employed during Year 1882-83.

Race.	Fitters.	Carpenters.	Moulders.	Mathematical Instrument-makers.	Turners.	Blacksmiths.	Pattern-makers.	Others.	Total.
Hindus	4	4	4	..	..	..	..	..	12
Muhammadans	..	..	..	..	..	..	..	..	..
Parsis	..	..	..	..	..	..	..	..	..
Native Christians ..	..	..	..	..	..	..	..	..	..
Europeans and Eurasians ..	..	..	..	..	..	..	..	..	..

STATEMENT B, showing Number of Trained Men turned out during the Year 1882-83.

Nil.

STATEMENT C, showing Employment obtained by the Apprentices who completed Training as in Statement B during 1882-83.

Nil.

STATEMENT D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C, employed by the several Classes of Employers during 1882-83.

Nil.

PERAMBUR WORKS,
25th January 1884.

(Signed) F. H. TREVITHICK,
Locomotive Superintendent.

11

Submitted for the information of Government of India, with reference to their Resolution No. 25 G., dated 7th January 1884, embodied in Proceedings of Government, No. 141 W., of 17th idem.

Order—dated 7th April 1884, No. 947 W., Public Works.

Ordered that the reports be forwarded to the Secretary of State and the Government of India.

2. The annual reports to be submitted by the Railway authorities are required only in respect to the apprentices transferred from the Madras Public Works Workshops to the Perambúr Workshops.

3. With reference to paragraphs 2 and 3 of his letter above recorded, the attention of the Superintending Engineer, II Circle, is called to the letter from his office, No. 197, dated 21st January 1878, printed with Proceedings of Government, No. 4465 W., dated 23rd November 1878, in which it was stated that arrangements would be made for the elementary education of the lads.

(Here enter No. 948 W., dated 7th April 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " " II Circle.
" Consulting Engineer for Railways.

Exd. J. Moses,
Spare Copies.

2671/13

12

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1884, No. 947 W.

APRIL.

Native Apprentices

Reports on the training of — as Foreman Mechanics up to end of 1881-82 and for 1882-1883.

7th April 1884, No. 948 W., Public Works.

2671/IX

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Letter—from

Colonel J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

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

Sir,

Adverting to Government of India Resolution, No. 25 G., dated 7th January 1884, I am directed to forward a copy of the Proceedings of this Government, No. 947 W., dated 7th April 1884, embodying reports on the training of native apprentices up to the end of the official year 1881-82 and for 1882-83.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Fort St. George,
7th April 1884.

Exd. J. Moses,
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

7th April 1884, No. 948 W.

APRIL.

Native Apprentices

Reports on the training of — as foremen mechanics up to end of 1881-82 and for 1882-83.

2671/15

PUBLIC WORKS DEPARTMENT.

Letter—to

The Right Honorable the SECRETARY of STATE for INDIA.

My Lord,

In continuation of our despatch, No. $\frac{45}{947\text{ W.}}$, dated 29th November 1883, we have the honor to forward a copy of our Proceedings, No. 947 W., dated 7th April 1884, embodying reports on the training of native apprentices up to the end of the official year 1881-82 and for 1882-83.

2. These reports have been drawn up in the form prescribed in Government of India Resolution, No. 25 G., dated 7th January 1884.

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

(Signed) M. E. GRANT DUFF.
(„) FRED. ROBERTS.
(„) H. E. SULLIVAN.
(„) C. G. MASTER.

Ootacamund,
7th April 1884.

Exd. J. Moses.

2671.
16

15

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

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

No. $\frac{9}{947 \text{ W.}}$, dated 7th April 1884.

Forwarding copy of proceedings embodying reports on the training of native apprentices as Foremen Mechanics up to end of official year 1881-82 and for 1882-83.

6TH AUGUST 1884, No. 1909 W., PUBLIC WORKS.

2677/17

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following despatch from the Right Honorable the Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 26th June 1884, No. 13, Public Works:—

I have received the reports on the training of native apprentices in the Government workshops forwarded with your Excellency's Public Works letter, No. $\frac{9}{947 \text{ W.}}$, of 7th April last.

2. The importance of securing a good elementary education for the lads under training as well as a practical knowledge of their work has, I observe, not been overlooked, and I shall be glad to learn that suitable arrangements have been made for this purpose.

ORDER—dated 6th August 1884, No. 1909 W., Public Works.

Communicated, with reference to G.O., No. 947 W., dated 7th April 1884, to the officers concerned, who will report the precise character of existing arrangements for securing a good elementary education for the apprentices under training.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle
" " " II "
" Consulting Engineer for Railways.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated August, 6th.

Recd. Encl.

G.O., 6th Aug. 1884, No. 1909 W.

AUGUST.

Native Apprentices

Reports on the precise character of existing arrangements for securing a good elementary education for the — under training as foreman mechanics called for.

2671 W

No. 1452 KS

Superintending Engineer's Office,
2nd Circle, Masulipatam.
27th August 1884.

p 1.

From

The Superintending Engineer,
2nd Circle.

To

The Chief Engineer,
Public Works Department.
Madras.

2671/18

Sir,

I have the honor, with reference to G.O. No. 1909 W of the 6th Instant to report, that the Executive Engineer Kistna Eastern Division has the Bezwáda Workshop Apprentices at his Office every working day from 2 to 4 P.M.

2. These youths are, for this period, taught reading, writing, and arithmetic, by a man specially appointed for the purpose, who is paid from the general Charges of the Workshop.

17

3. The lads are reported by the Executive Engineer to make good progress

and to be anxious to learn, but as a rule, they have very little knowledge of either reading or writing, when we first get them.

I have the honor to be,
Sir,
Your most Obed^t. Servant.

J. W. Rundall
Superintending Engineer,
2nd Circle

2671/19

DMC 7331

(10)

From
The Superintending Engineer
2nd Circle

To
The Chief Engineer
P. W. D.
Madras

Dated 27th August 1884
Despd 28th do
Recd 2/9/84

No 1452 W

Native Apprentices in Bezvada Workshop – Report on the elementary education of the –

4.9.84

O.L.S. 66/10
Cir: 21/10
O. 18.10.84. R. 29.10.84

---

p 2

Form No. 2.

Public Works Department,
Railway Branch.

Consulting Engineer's Office,
Madras, 24th September 1884.

Endorsement from the Agent and Manager, Madras Railway No: 657 Dated 23rd September 1884.

No. 237/671/20

p 2

Submitted to Government, with reference to the Proceedings of Government, No. 1909 W dated 6th August 1884.

Sidney Smith
Major R.E.,
for Consg. Engr. for Ry.

19

3

2671/21

20

O.A.S. 66/10

C. 18.10.81, R. 24.10.81

Cir: 21/10

Cons. Engr.'s No. 3.

G. O. 1909 W d/ 6-8-84
Desph: 9/947 W d/ 7-4-84
G. O. 948 W d/ 7-4-84
" 947 W d/ 7-4-84
" 3413 W d/ 29-11-83
" 1707 W d/ 27-6-79
Desph: 11 d/ 18-3-79
G. O. 4465 W d/ 23-11-78

From

THE CONSULTING ENGINEER
FOR RAILWAYS,

(10)

No 237
Dated 24th September 1884
Received

No. of Enclosures. 1

Subject.

Elementary education to the native apprentices.

Compile
cd.
25-9

O.L.S. 66/10 Cir: 21/10
O. 18-10-84
O. 18-10-84. R. 29-10-84

Enclosure

E/p 3

Madras Railway
No. 5326 of '81/523 Locomotive Superintendent's Office
Perambore Works 19th September 1884

2671/22

The Agent and Manager

My dear Sir,

Your No 4353 of the 18th instant.

No arrangements, so far as this Department is concerned, are in existence for securing a good elementary education to the native apprentices in training as foreman mechanics in the Workshops at Perambur. The lads are believed to have received an elementary education previous to their being transferred to these shops, and it is understood by us that the only training they will receive, so far as this Department is concerned, during the time spent at Perambur, will be in the practical application of their several trades.

Yours faithfully
(sd) C. C. Phipps
Ag: Loco: Superintendent

(True Copy)

Arthur M. Saunders
Agent and Manager

No 657.

21

23rd September 1884 } The Consulting Engineer for Railways for information with reference to his letter No 526 of the 12th ultimo.

No 794

Govt. Workshop Office
Dowlaishwaram
2nd October 1884.

From, 2671/22

The Officer in charge
Govt. Workshop

To,

The Supt. Engineer 1st Circle.

Your Endorsement No. 1382 G.D.
dated 29th August 1884.

Sir,

With reference to G.O No. 1909 W. dated 6th August 1884 received with the above, I have the honor to report that in view to secure a good elementary education for the apprentices under training in the Dowlaishwaram Workshops, an Artificer has been deputed for the purpose who teaches them from 6 to 8 A.M. daily. The man has a fair knowledge in English and Telugu.

I have &ca. &ca.
(Sd) C.C. Rawson Capt R.E.
Executive Engineer

No 1738 G.O. (True Copy)

Copy submitted to Chief Engineer

632

(No. 12.) 3,000—1-1-78.

MADRAS RAILWAY.

From

The Agent and Manager.

To

The Consulting Engineer
for Railways.

Dated 23rd Septr 1884

Recd.

No. 657

papers.

Acts Elementary education to the Native Apprentices —

Submitted to Govt. with [illegible]

D. P. W. for information with re-ference to G. O No 1909 W. dated 6th August 1884.

Dowlaiswaram 8th October 84 Mathews Asst Engr

Despd 9th For Supd Engr 1st Circle.

JK

2671/24

23

G. O. No 947 W. 7.4.84
Extr. Home Govt No 9 / 947 W 7.4.84
G. O. No 948 W — 7.4.84
" " 1909 W — 6.8.84.

(10)

From

The Supg Engineer
1st Circle

To

The Chief Engineer
D.P.W.
Madras

Dated 8th
Despd 9th } October 1884
Recd

No. 1738 G.D

Enclo. —

Apprentices under training in the Dowlaiswaram Workshops.

Copy of letter from the Officer in charge Govt Workshop reporting that an artificer has been deputed to secure a good elementary education for the —

O.L.: 66/10
Cir: 21/10
D. 18-10-84

Please ascertain whether the statement in enclosure to Agents letter is correct, to the effect ~~that~~ the lads transferred to the Railway Shops had previously received elementary education.

2671
20.10.84

S of W

Please see the statement in the old form printed with G.O. 3413 W. d/ 29 Nov. 83. This shows the extent of each lad's elementary education. The original arrangements did not include a school course. The lads were supposed to be able to pass a simple examination before entertainment — vide para 3 of G.O. 4465 W. d/ 23.11.78.

20.10.84

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 2671/26

READ the following

From the Supg: Engr II Circle H. E. No. 1452 K.S d/ 27th August/84

From the Consulting Engineer for Railways } .. No. 237 d/ 24th September/84

From the Supg: Engr 1st Circle } .. No. 1738 G.D d/ 8th Oct/84.

Ordered that the Secy of State be addressed

H. E. No. W d/ Oct/84.

To

The Right Honorable the Secy of State for India

My Lord,

24

Adverting to para 2 of your despatch No. 13 dated 26th June 1884, intimating that your Lordship will be glad to learn that suitable arrangements have been made for the elementary education of of the native apprentices in the Govt workshops of this Presidency, we have the honor to report that, both at the Dowlaishweram and the Bezvada workshops men have been specially deputed to instruct the lads for two hours daily in such simple subjects as reading, writing, and arithmetic. The apprentices transferred from the Presy P. W. Workshops to the Madras Railway workshops are not undergoing any further elementary education, but devote their working hours to the practical application of their several trades.

CW.
18.10.84

Cho
G. 18.10.84

The Hon H. E. Sullivan
The Rt. Hon the Governor

(10)

Copy upto this point

trust

Dost/W

---

jed
Ext 64

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

2671/27

READ the following

From the Supdg. Engineer II Circle	H.E. No. 1452 W.S. dt 27th August 1884
From the Consg. Engineer for Railways	" " 237 d 24th Septr. 84
From the Supdg. Engineer I Circle	" " 1738 G.D. 8th October 84.

6

Ordered that the Secy: of State be addressed. (H.E. No. 21 W. dt Octr. 84)

To

The Right Honble. the Secy of State for India

My Lord,

26

Advertiing to para 2 of your despatch No. 13 dt 26th June 1884, intimating that your

Lordships will be glad to learn that suitable arrangements have been made for the elementary Education of of the Native apprentices in the Govt. Workshops of this Presidency, we have the honor to ~~report~~ state that, at both the Dowlaishweram and the Bezwada workshops, men have been specially deputed to instruct the lads for two hours daily in such simple subjects as reading, writing, and Arithmetic.

W.S.
21.10.84

Dec
7/11

Supt Engr I Circle
Do II Circle
Cons Engr for Rys

D
7/11

2671/28

7331

Govt. of (1884) Madras.

(27A) PUBLIC WORKS.

(28)

No. 1

Very Urgent

26/10/84

Dated

Recd.

Encl.

G.O., 29 Octr 1884, No. 2671 W

2/
2671 W

Gratuitous apprentices

Reports on existing arrangements for securing a good elementary education for the — in Govt workshops.

~~Gratuitous~~

Reforming the arrangements made for the elementary education of Gratuitous apprentices in the Govt workshops in the Madras Presidency.

Id 30/10/84
30.10

.99