GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General Account.

Read—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, Second Circle, to the Chief Engineer, Public Works Department, dated Bezváda, 25th June 1883, No. 264 S.G. :—

I have the honor to forward, for your sanction, an estimate for Tools and Plant (Provincial) required for the Sangam Project Division, for which I request the favor of early sanction.

2. Stone-breaking hammers were omitted from the estimate forwarded with my No. 1273 S.G. of the 30th March 1883, and the extra number of stone-cutter's chisels is stated by Captain Campbell, R.E., to be absolutely necessary.

3. The allotment applied for in my No. 103 S.G. of the 10th May 1883 has not yet been granted, and I would request the favor of early orders being passed.

Order—dated 9th July 1883, No. 1923 W., Public Works.

The estimate, amounting to Rs. 925, for the purchase of stone-cutting chisels and stone-breaking hammers, required in the Sangam Project Division, is sanctioned against the allotment to the division under Tools and Plant.

2. This sanction has been registered as Provincial No. 68 W. of 1833-84 and classified as Tools and Plant.

(True Extract.)

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

To the Superintending Engineer, Second Circle, with Estimate.
" Examiner, Public Works Accounts, with duplicate Estimate.

Exd. A, F. Goodall.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated July, 9th.

Recd. *Encl.*

G.O., 9th July 1883, No. 1923 W.

JULY.

Stone-cutting Chisels and Stone-breaking Hammers

Estimate for purchasing —, required in the Sangam Project Division, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General. Account.

READ again—

G.O., dated 28th August 1883, No. 695 I., Public Works.

READ also the following paper :—

Office note from the Examiner, Public Works Accounts, dated Madras, 9th November 1883, No. 834.

Your office note, No. 2339 D., of 6th November 1883.

I think it will be advisable to keep separate lists in divisional offices, so that when tools and plant are *first* obtained they may be entered on the list (Irrigation or Provincial) for which they have been sanctioned.

2. The tools and plant will in practice be used indiscriminately, but when count is taken each half-year, it will be for the Executive Engineer to consider whether a deficiency should be written off the one return or the other, or partly from each. This will, moreover, enable him to come to some perhaps tolerably approximate idea for which list further supplies are required. Without some arrangement of this sort he could have no definite guide to trust to.

3. No change would be necessary in respect of returns such as you anticipate—the count would be of the tools, &c., as a whole for the division, and the deficit, if any, between the aggregate of the two returns referred to in paragraph 1 and such count might be dealt with as above proposed.

4. In regard to tools and plant in hand at commencement of 1883-84, is it necessary to require any distribution? Irrigation has, under the percentage plan, given Provincial about Rs. 69,500 on account of tools and plant, and the latter has consequently had its tools, &c., gratis. Why should not the quantity on 1st April 1883 be considered Irrigation? Further supplies *known* to be wanted for Provincial would be charged as such, while if of *old* tools any number were used for *Provincial* and were worn out, they could, under the proposals I make, be written off the Provincial list as Irrigation tools used up by Provincial, which latter would replace them for itself.

5. As to credits (sales, &c.), the amounts are so trifling that it may be left to the Executive Engineer to say to which account credit should be taken.

ORDER—dated 14th November 1883, No. 3234 W., Public Works.

The foregoing note from the Examiner, Public Works Accounts, will be communicated to Superintending Engineers for information and guidance.

2. Superintending Engineers will submit, as early as practicable, lists of the sanctions accorded under Provincial, Tools and Plant, which would now require to be resanctioned under Irrigation.

3. The General Superintendent, Public Works Stores, will report what portion of the provision made in the Provincial budget for 1883-84, and in Proceedings of Government, No. 3108 W., dated 2nd November 1883, is debitable to the Irrigation branch.

(True Extract.)

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

To Superintending Engineers.
To the Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.
„ General Superintendent, Public Works Stores, with copy of G.O., No. 695 I.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated November, 14th.

Recd. *Encl.*

G.O., 14th Nov. 1883, No. 3234 W.

4914

NOVEMBER.

Tools and Plant

Passing orders on office note from the Examiner, Public Works Accounts, on the subject of the lists of — to be maintained for Irrigation and Provincial works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, Second Circle, to the Chief Engineer, Public Works Department, dated Masulipatam, 30th March 1883, No. 1273 S.G. :—

I have the honor to forward, herewith, an estimate for Tools and Plant, Provincial, for the Sangam Project Division, and to request that, under the circumstances explained below, sanction may be accorded to the same, and that the grant to this division may be revised as follows:—

	Present.	Required.
	RS.	RS.
New supplies	4,500	6,500
Repairs and carriage	1,500	900

An increased grant of Rs. 2,000 is required for new supplies, Rs. 600 of which can be transferred from the existing grant for repairs and carriage.

2. I had requested the Executive Engineer to include in the estimate of Tools and Plant, which received sanction in G.O., No. 220 W., of the 19th January 1883, all known wants up to the end of the current official year.

3. Captain Campbell states that he did include all that he foresaw to be required, but that subsequently, under pressure of work, he was obliged to order by telegraph from Madras stone-cutters' hammers and stone-breaking hammers.

4. The Norton's Tube Wells were ordered last July, and should have been included in the previous estimate.

5. The mathematical instruments were ordered last November, and the indent was passed by me; these should have been included in the estimate forwarded by the Executive Engineer in December.

6. The jumpers were ordered emergently, as during Colonel Hasted's inspection of the Kanigiri escapes in January last, he ordered larger bore holes and blasts to be tried.

7. I am aware that it is late in the year to apply for an increased grant, but as in the case of stone-cutting hammers, stone-breaking hammers, jumpers, and files, the necessity for immediate purchase is, I think, sufficiently explained by the Executive Engineer, I trust the estimate may receive sanction, and the Examiner may be authorized to adjust the expenditure already incurred.

ORDER—dated 10th April 1883, No. 1067 W., Public Works.

The estimate, amounting to Rs. 1,625, for Tools and Plant, supplied to the Sangam Project Division, is sanctioned.

2. It being now too late to effect the reappropriation of funds suggested by the Superintending Engineer, the Examiner, Public Works Accounts, is authorized to admit the expenditure incurred last official year against this estimate.

This sanction has been registered as Provincial No. 6 W. of 1883-84 and classified as Tools and Plant.

(True Extract.)

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

To the Superintending Engineer, Second Circle, with Estimate.
" Examiner, Public Works Accounts, with duplicate do.

Exd. C. Howarth.
Spare Copies

10TH APRIL

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated April, 10th.

Recd. *Encl.*

G.O., 10th April 1883, No. 1067 W.

APRIL.

Tools and Plant supplied to the Sangam Project Division

The estimate for the —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Lieutenant W. L. C. BADDELEY, R.E., General Superintendent, Public Works Stores and Workshops, to the Deputy Chief Engineer, Public Works Department, dated Madras, 8th October 1883, No. 903 S.

I have the honor to forward the budget estimate for Public Works stores for the year 1884-85, amounting to Rs. 91,869. Of this amount, Rs. 38,600 represents the value of stores due on previous indents, nearly all of which may be shipped during the current official year; but as some may be received during 1884, provision should be made to meet the demand.

2. As all the engines in store have been condemned and ordered to be sold, I have provided for two 8-H. P. and two 6-H. P. engines, also for a boiler for the steam hammer, and five cranes to lift different weights, as there are no cranes in stock. Two engines and boiler for steam hammer are required for use of the workshops, and two engines to be kept in stock for general service; the aggregate value of the above amounts to Rs. 13,740. The other articles for which provision is made consists of stores generally demanded by the department.

ENCLOSURE.

PUBLIC WORKS STORES.

PROVINCIAL BUDGET FOR 1884-85.

Requirement of funds for payments on account of London stores expected in 1884-85 *and for expenditure in India for Tools and Plant in* 1884-85.

Particulars.	Amount.
	RS.
Provision for payments in England—	
Value of London stores due on former indents	38,600
Do. do. as per indent for 1884-85	45,269
Total ...	83,869
Provisions for Indian Expenditure—	
Repair to instruments, tools and machinery, &c.	4,000
Carriage, &c., for tools and plant	4,000
Total ...	8,000
Grand Total ...	91,869

From Lieutenant W. L. C. BADDELEY, R.E., General Superintendent, Public Works Stores and Workshops, to the Deputy Chief Engineer, Public Works Department, dated Madras, 18th October 1883, No. 934 S.

I have the honor to forward, for submission to Government, the annual indent, in triplicate, for articles of European manufacture required for the Public Works Department for 1884-85.

One indent in triplicate.
One explanatory memorandum.

2. It will be seen that, with the exception of a few items, a small portion of which were received by recent shipments, none of the other articles indented for are in stock. The demand has been kept as low as possible, and all articles which can be obtained of local manufacture have been omitted, while only those which are usually obtained from England are entered in the indent.

3. The instructions contained in Government of India Resolution No. 185, dated 10th January 1883, have been attended to, and the explanatory memorandum to accompany the indent is enclosed.

ENCLOSURE.

Explanatory Memorandum to accompany Annual Indent for 1884-85.

Machinery.—None of the articles applied for are made in India, at least they do not appear in the list. Cranes of the ordinary description can be made in this workshop, as well as in the Roorkee workshop, but it is very desirable to have those of the newest pattern with all the recent improvements.

Scientific Instruments.—It is needless to discuss each item under this head, as scientific instruments are not made in the country. Parallel rules, brass, can and have been made in this workshop, but press of work prevents their being put in hand now.

Tools and Plant.—None of these, with the exception of planes and squares, are made in the country; but as those made in England are of superior finish, and as the number required is very small, I have included them in this indent.

Metals and Plate Glass.—Not manufactured in India.

Catgut for Foot Lathes.—That obtainable of country manufacture is of very poor quality and will not last like English catgut.

ORDER—dated 2nd November 1883, No. 3108, Public Works.

With his letters above recorded, the General Superintendent, Public Works Stores, submits the annual home indent for articles of European manufacture required for the Public Works Department for the year 1884-85, with the budget estimate for tools and plant, and requests that funds be provided as follows :—

	RS.
For London supplies	83,869
For Indian expenditure under Repairs and Carriage	8,000
Total ...	91,869

2. The amount required for London supplies will be entered in the budget, and the indents will be forwarded to the Home Government, a copy being furnished to the Government of India.

3. The sum entered under Indian expenditure will be included in the statement to be issued under paragraph 1582 of the Public Works Code.

(True Extract.)

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

To the General Superintendent, Public Works Stores.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. A. Aubert.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated November, 2nd.

Recd. *Encl.*

G.O., 2nd Nov. 1883, No. 3108 W.

NOVEMBER.

Annual Home Indent

Passing orders on the — for articles of European manufacture for the Madras Public Works Department for 1884-85, and the budget estimate for tools and plant.

7TH AUGUST 1883, No. 2160 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, Second Circle, to the Chief Engineer, Public Works Department, dated Sangam, 17th July 1883, No. 317 S.G. :—

I have the honor to forward, for your approval and sanction, an estimate of Rs. 2,828 for new supplies Tools and Plant, Provincial, required in the Sangam Project Division, and would request the favor of early sanction.

2. In my No. 103 S.G. of the 10th May I applied for an allotment of Rs. 5,500 for Sangam Division for Provincial Tools and Plant. I have not yet received a reply to this application.

ORDER—dated 7th August 1883, No. 2160 W., Public Works.

The estimate, amounting to Rs. 2,828, for the purchase of Tools and Plant for use in the Sangam Project Division, is sanctioned against the allotment made to the division in G.O., No. 1641 W., of the 12th June 1883.

2. This sanction has been registered as Provincial No. 83 W. of 1883-84 and classified as Tools and Plant.

(True Extract.)

(Signed) R. H. SANKEY, Major-General, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Second Circle, with Estimate.
,, Examiner, Public Works Accounts, with duplicate Estimate.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated August, 7th.

Read. *Encl.*

G.O., 7th Aug. 1883, No. 2160 W.

AUGUST.

Tools and Plant

Estimate of Rs. 2,828 *for the purchase of* — for use in the Sangam Project Division, sanctioned.

Duplicate

2nd Circle

Division _____ Sangam Project
Fund _____ Provincial
Departmental Head. — Tools & Plant
Main Head. — (12 Miscellaneous Plant)
Work. Tools & Plant (New Supplies)
Amounting to Rs. 4387-8-0

Quantity	Sub head	Description of Charges	Rate	Per	Amount		Remarks
2,000		Crowbars English 24 lbs	2	2. Each	4250	0	
50		Felling Axes "country"	0	12. 0	37	8	Will be purchased locally.
100		Bill hooks	1	0 " 0	100	0	
		Total			4387	8	or Rs. 4,388.

Sangam Project
Division Office
20th August 1883

J. Campbell Capt. R.E.
Executive Engineer
J. Hannan
Executive Engineer in charge Sangam Division
28/8/83

2nd/a Circle

Sangam Project Divn.

Fund. Provincial

Departmental

Head - Tools & Plant

Main Head - 12 Miscellaneous Plant

Work. Tools & Plant (Stores Supplies)

Amounting to Rs. 4388-8-0

No. 431 S.G.

Superintending Engineer's Office,
2nd Circle, Camp Gudiada.
30th August 1883.

From

The Superintending Engineer,
2nd Circle.

To

The Chief Engineer,
Public Works Department.
Madras.

Enclosures 4 estimate in duplicate.

Sir,

I have the honor to forward, for your approval and sanction, an estimate amounting to Rs 4,388 for new supplies, Tools and Plant, Provincial, required in the Sangam Project Division, and to state that, the Executive Engineer of that Division informs me, that the necessity for these articles could not be foreseen when submitting the Estimate sanctioned in G.O. No. 2160 W of the 7th August 1883.

2. The allotment for this Division is only Rs 5,500, out of which a sum of Rs 2,828, for which an estimate was sanctioned, has to be deducted, leaving a balance of only 2,672; I request therefore that Rs 2,000

more may be allotted, to cover the present Estimate, as also to meet the Charges for repairs and Carriage during the year.

I have the honor to be,

Sir,

Your most Obt Servant.

J Hammond

Executive Engineer

in charge 2nd Circle.

Comptd

5 Nos
2820

2672
2 Nos

4672

Jr. 2160 w 7. S. B

P.W.Cir. 7624

From

The Superintending Engineer

2 Circle

To

The Chief Engineer

P. W. D.

Madras

Dated 30th August 1883

Despd 1st Sept.

Rect 5 ——

No 2563 W dy 13-9-83

Encls 1 in duplicate

No 431 S.G.

Sangam Project Division

Tools & Plant - Provincial -

Iron Supplies — Forwards for approval and sanction an — Estimate of Rs 4,388 for —

Exc 0286-9
Calls 6/9 Rect. 10/9

Public Works Department, 1883-84

Current No. 7624
Letter No. 431 SG
Dated the 30th August/83
From the Supg. Engr. 2nd circle

NOTE OF REMARKS.

1. The estimate herewith submitted is for the supply of tools and plant to the Sangam Project Division and it amounts to Rs. 4,388
2. The tools required are - English crowbars, felling Axes, and Billhooks.

5th Sept/83
BBH

B.

Re 25-63W PUBLIC WORKS DEPARTMENT.

B/

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 13th Sept/83.

READ the following

Letter from the Supg Engr. 2 C. to No 431 SG. of 30th August 83
Second Circle

The estimate, amounting to Rs 4388, for the purchase of Tools and Plant for use in the Sangam Project Division, is sanctioned

2. An appropriation of Rs 2000 is made from the funds under Tools and Plant, at the disposal of Govt, to the Sangam Project Division.

3. This sanction has been registered as Provincial No 115 of 1883-84 and classified as Tools and Plant.

dw 14/9

The Supg Engr Second Circle
" Examiner P.W. Accounts

8.9.83. 6/9

No 2563 Waj 13-9-83

Entd in Rectt. Rejects