Archives I—10,006—16-8 77.

(1) Number of pages 62
(2) Date of repair 30.10.86 ✓
(3) Initials of the Referencer ✓

IL NADU ARCHIVES

NMENT OF TAMIL NADU

P.W DEPARTMENT

.O. No. .P. No.	857. W.	Press. Mis.
Dated	21. 3. 1879	~~197~~.

olded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

21st March 1879, No. 857 W.

Buildings and Roads.
Civil Works.

Read the following papers :—

No. 254. Endorsement of the District Engineer, Presidency, dated 9th May 1878, No. 784.

From J. N. GRAINGER, Esq., General Superintendent, Public Works Workshops and Stores, to the District Engineer, Presidency, dated Madras, 7th May 1878, No. 170.

WITH reference to memorandum from Secretary to Government, Public Works Department, No. 1,962, dated 2nd May 1878, received under endorsement, No. 674, of the 4th instant, I have the honor to state that the undermentioned sums will be required for expenditure under Tools and Plant in the current official year for Imperial "Roads and Buildings":—

	RS.
For instruments	1,000
,, tools and plant	1,000
,, repairs and carriage	2,000

2. On a reference to the home indent for 1878-79 it will be seen that the requirement for tools, &c., is very small and was cut down expressly to admit of local supplies being availed of, such as levelling staves, measuring chains, parallel rules, and such like articles readily made in the Mathematical Instrument Workshop, and intrenching tools manufactured in the Mechanical Department, thus utilizing the resources of the shops to some extent. I do not say that the above sums are sufficient to meet indents for tools, seeing that I have nothing in stock under this head of service, and the stores must be immediately replenished; but if the necessity should arise later in the year I shall apply for additional allotments; in the meantime the above sums, I trust, will enable me to comply with reasonable demands from Range Officers.

SUBMITTED to the Chief Engineer, Public Works Department, with reference to his memorandum, No. 1,962, dated 2nd May 1878.

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

No. 254-A. Endorsement of the District Engineer, Presidency, dated 28th May 1878, No. 1,148.

From G. H. FAULKNER, Esq., General Superintendent, Public Works Workshops and Stores, to the District Engineer, Presidency, dated Madras, 23rd May 1878, No. 270.

WITH reference to Chief Engineer's memorandum, No. 2,139, dated 14th May 1878, and your endorsement thereon, No. 934, of the 16th instant, I have the honor to explain the reasons for applying for the following grants on account of "Imperial Buildings and Roads," Tools and Plant, viz. :—

	RS.
For instruments	1,000
,, tools	1,000
,, repairs and carriage	2,000

These allotments are required for replenishing stock of the undermentioned articles, of which there are none at present in the Public Works Stores :—

Instruments.

	FEET.
Measuring chains ...	50
,, ,, ...	100
,, tapes ...	50
,, ,, ...	100
Levelling staves.	
Brass parallel ruler, 12″, 15″, and 18.″	

Tools.

Axes, pick ...	5 and 6 lbs.
Crowbars ...	14, 16, and 24 lbs.
Mamoties ...	6, 7, and 10 lbs.

Repairs and Carriage.

Repair of instruments and tools returned into store.
Carriage of articles supplied on indents.
Cooly hire, boat hire, pier charges, freight, cleaning and setting of machines.

The above are matters connected purely with the economy of Public Works Stores; the Workshop should, therefore, be kept entirely out of view in disposing of the matter under reference.

2. To understand the matter rightly it becomes necessary to explain the method of indenting and conserving Public Works stores.

3. In G.O., 2nd May 1868, No. 1,362, instructions are clearly laid down for guidance in indenting for London supplies, and the quantity to be asked for in the indent is defined in paragraph 3; for example, take the two first items under instrument and tool.

	Established proportion.	In Store.	Due.	Indented for.
Measuring chains 50′ ...	50	...	...	50
,, ,, 100′ ...	50	...	...	50
Tools—				
Axes, pick, 5 lbs. ...	1,000	...	...	1,000
Do. 6 ,, ...	1,000	...	...	1,000

Now since the articles which should have been indented for have been omitted from the home indent with a view to obtaining them locally, it is clear I trust that provision of funds should be made for their purchase, and I am confident that the Chief Engineer will not object to the Workshop being the suppliers, and as the Workshop is a self-supporting institution, and must be paid for every article obtained from it, the Public Works Stores must necessarily pay for all articles obtained from this source; hence the necessity for funds being provided.

4. The Chief Engineer observes in paragraph 3 of his memorandum that it is the local officers who require the articles that should be provided with funds and not the Store Department. It is for the Chief Engineer to decide whether it is more convenient to allot lump sums to the Stores Department for the provision of articles locally which are not in store, or grant small sums to individual officers for the purchase of stores required by them. If the former decision is arrived at indents could be supplied from store as far as its state will admit, and if the Workshop supply District Engineer must apply to the Chief Engineer for the necessary funds to meet their wants when not supplied by the stores. The budgets of past years will show that allotments have always been made to the General Superintendent under Part V, Tools and Plant, for local expenditure in view to meeting similar wants as those alluded to.

5. In his letter, No. 170, dated 7th May 1878, Mr. Grainger says that it is not unlikely that further application for grants may be made, and gives his reason for saying so, viz., that he has none of the above articles in stock under this head of service to comply with indents. It should be brought to the notice of the Chief Engineer, moreover, that Range Officers do not keep to, or within, the limits of their yearly estimates, and since they cannot foresee what may be required later in the season, it would be considered obstructive on our part to refuse compliance with

857/2

indents, simply because they were not estimated for. Owing to financial pressure the stock of tools had been kept unusually low, and the demands for famine relief works completely cleared the stores of all intrenching tools. Whether the stores are to be replenished or not, and to what extent, I respectfully submit for the Chief Engineer's decision.

SUBMITTED to the Chief Engineer, Public Works Department, with reference to his memorandum, No. 2,139, dated 14th May 1878.

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

No. 254-B. From Colonel W. FAREWELL, Deputy Chief Engineer, Public Works Department, to the Chief Engineer, Public Works Department, dated 30th May 1878.

I HAVE the honor to report that in conference with the District Engineer, Presidency, and the Officiating General Superintendent of Public Works Stores, I have ascertained the following facts in reference to the information I was directed to obtain in your memorandum, No. 2,430, dated the 3rd of June 1878. The delay that has occurred in the submission of this report is due to the time occupied in supplying certain returns which accompany this paper which I found it necessary to call for. The first portion of the list marked A shows the articles proposed to be supplied by the Workshops from the Rupees 4,000 applied for. Instruments to the value of Rupees 985-11-0 it is intended should be made up in the Instrument Shop; a further amount of Rupees 1,166 are for tools required to be also so supplied, and the balance is said to be required for carriage.

The list further goes on to show that more articles are required to replenish stock amounting to Rupees 2,000 if funds are available. Again it is noted that these articles have been already indented for by District Engineers and were omitted from the home indent.

2. When instruments and tools, &c., indented for by District Engineers are not in hand in the stores, the practice is for the Store Department, which makes no purchases itself whatever, to transfer the indent to the Workshops to meet either by purchase in the local market or manufacture in the shops; in most cases I am assured that the manufacturing principle of supply is adopted, and it is only when the urgency of the indent is such as to preclude manufacture, or when the articles required can be obtained quickly and cheaply in the local market, that purchases are made. It is further stated by the General Superintendent that in this latter case which is apparently the exception and not the rule the rates are enhanced by addition of the authorized centage without which the Workshops could not exist (a certain portion of the Workshops establishment has to be sent to make the purchases, carry them to the shops, &c., which of course must be paid for). The General Superintendent further assured me that it frequently happens that articles indented for cannot be had in the market at any price, and that, in other cases, after careful inquiry he had ascertained that even plus the regulated profits he has been able to manufacture and supply articles indented for at a cheaper rate than if obtained in the market.

3. All instruments, tools, and stores issued from the Stores to Imperial works are issued free of charge, the probable annual requirements being regulated by regular indents, which are sanctioned first and budgeted for, while all stores issued to Provincial, Local, or other funds, &c., are paid for.

4. On the other hand all issues whatsoever from the Workshops are paid for by all departments, while no issue of any kind can be made without the previous sanction of the District Engineer.

5. The check by the General Superintendent of the Stores and the Public Works Workshops is simply *nil*; he is powerless in the matter, and very properly so too; thus if he wants even a nail or a single file from the Stores for use in his Workshops he must submit a regular indent and obtain the sanction of the District Engineer thereto.

The Stores and Workshops are totally distinct and have nothing in common except the General Superintendent has charge of them and is responsible that no issues are made without the District Engineer's sanction.

6. The return marked B herewith forwarded shows the issue of scientific instruments from April 1867 to March 1877 to the department, and discloses a condition of things that certainly requires early remedy. It will be remarked that no less than 637 first and second class levelling instruments have been issued to the department, which numbers all told 318 officers and subordinates, and again no less than 798 boxes of first, second, and third classes mathematical instrument boxes were issued in the same time. While in six years 647 color boxes of sorts were also issued, of which 253 were first and second classes.

7. The return marked C gives the issues for ten years of tools, &c., from the Store Department irrespective of those supplied by the Workshops.

8. Marked D are a set of draft rules proposed to be adopted to ensure greater circumspection in the preparation and submission of indents.

9. I would remark that in former days, previous to 1873, all indents were closely scrutinized in the Secretary's office and none passed except under his signature. The returns B and C however tend to prove that no material difference has taken place under the new system, which is that all indents are now passed by the District Engineer, Presidency. The District Engineer has already so much to attend to that it appears to me to be hopeless to expect him to do more than he does at present in the supervision of either the Store Department or Workshops, and I believe it is very desirable he should be relieved of the same, and that this department be once again placed under the immediate orders of the Secretariat, which under the present organisation might be done without much inconvenience.

No. 255. ORDER THEREON, 21st March 1879, No. 857 W.

IN reference to the late reorganisation of the Public Works Department, His Grace the Governor in Council directs that the General Superintendent of Public Works Workshops and Stores shall be placed under the immediate orders of the Chief Engineer, Public Works Department, the accounts being submitted direct by the General Superintendent to the Examiner, Public Works Accounts, by whom credits will be supplied in future, as in the case of Divisional Officers.

2. Superintending Engineers of circles will in future correspond direct with the General Superintendent of Public Works Workshops and Stores in reference to all indents and requirements for their circles; and store and other returns, hitherto forwarded through the District Engineer, Presidency, or Superintending Engineer, Third Circle, will in future be forwarded direct by Superintending Engineers of circles to the General Superintendent of Public Works Workshops and Stores.

(True Extract.)

Major
~~Colonel~~, R.E.,
Secy. to Govt., P.W.D.

To all Superintending Engineers. Thi Circle
To the Examiner of Public Works Accounts.
" General Superintendent, Public Works Workshops and Stores.

Exd. T. D. Ryan.
20 Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1879) Madras.

PUBLIC WORKS.

To

The SUPERINTENDING ENGINEERS,
&c., &c., &c.

Dated March 21st.

Issued

Recd.
Encl.

G. O., 21st March 1879, No. 857 W.

MARCH.

Nos. 254-255.

Public Works Workshops and Stores, Presidency.—The General Superintendent of the [illegible] placed under the immediate orders of the Chief Engineer, Public Works Department; and Superintending Engineers of circles to correspond direct in future with the General Superintendent.

P. W. D

No. 2430

857/4

Memorandum

Endorsement of the D.E. Presidency No. 415 d/ 25th April 1878 on letter from Genl. Supt. P.W. Stores No. 80 d/ 5th April 1878.

Memo. to the D.E. Presidency No. 1962 d/ 2d May 1878.

Endorsement of the D.E. Presidency No. 784 d/ 9th May on letter from Genl. Supt. P.W. Stores No. 170 d/ 7th May 1878.

Memo. to the D.E. Presidency No. 2139 d/ 14th May 1878.

Endorsement of the D.E. Presidency No. 1148 d/ 28th May on letter from the Genl. Supt. P.W. Stores d/ 23d May/78 No. 270.

In forwarding the papers quoted in the margin the Chief Engineer would be glad if the Deputy Chief Engineer would, in returning from Kurnool, visit Madras en route, and make personal enquiry into the subject of the correspondence.

2 In his letter No. 170 dated 7th May 1878 the General Superintendent, Public Works Stores and Workshops applied for an instalment of Rs 4,000 under Tools and Plant, the grant for the whole Presidency being under 9000 Rupees.

3 It was noticed by the Chief Engineer in Memo No. 2139 dated 14th May 1878 that the grant seemed to be applied for in order to make up certain articles in the Workshops - and it was presumed in this case that the funds would be more properly

R. S.

placed at the disposal of the District Engineers requiring the articles, who would pay the Workshops direct for anything supplied by the Factory. The intervention of the Store Department was not understood.

4 In reply to the enquiries made the General Superintendent states in his letter No 270 dated 23rd May 1878 that the matter is connected purely with the economy of the Public Works Stores, and that the Workshops should therefore be kept entirely out of view in disposing of the matter under reference.

5 This raises the general question as to the system pursued by the Stores and Workshops in complying with the Indents of local Officers of the Department for Stores, &c.

6 It would appear from the letter last quoted that indents for stores procurable in the local market are transferred from the Store Department to the Public Works Workshops, who purchase what is required and make the articles over to the Stores for issue to the Department at an enhanced valuation which goes

Generally [illegible] w/s

to swell the profits of the Workshops.

If the Chief Engineer rightly apprehends the system in force, he considers that there are grave objections to the procedure.

In the first place Officers of the Department are allowed to draw upon the Stores ad libitum, and have nothing to pay for what they receive, the Store Department receiving the allotments direct from Government and adjusting the cost without reference to the Officers using the tools. The Officers of the Department have in this case no incentive to economy, their individual requirements for funds not coming under the scrutiny either of the Chief Engineer or of Government.

In the second place the check which the General Superintendent is expected to exercise over the issue of tools must be rendered nugatory from the fact that the more tools are issued, the greater will be the profits of the Workshops, in the development of which he is supposed to have an appreciable interest.

Even + profits [illegible] cheaper [illegible] market [illegible] articles cannot be got [illegible] [illegible] price. [illegible] [illegible] [illegible] [illegible]

As indents are passed by the D. E. [illegible] as the Chief [illegible] [illegible] [illegible] of the Chief [illegible] [illegible] [illegible] [illegible] [illegible] the D. E. [illegible] [illegible] [illegible] is [illegible]

+ [illegible] delegated the C. Engr. [illegible] the D. E. [illegible] to be [illegible] [illegible] matter [illegible]

Genl Supdt cannot [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] with D. E. [illegible]

10 In the third place the cost of tools is enhanced to Government for the benefit of the Workshop which is supposed to work on self-supporting principles. The gain so acquired cannot be viewed as legitimate.

Already replied to.

11 Under this system it would be more to the advantage of Officers of the Department to indent for new tools than to have old ones repaired, for in the former case they would have to pay nothing and at the same time receive new articles, while in the latter they would have to pay for repairs and get back their old instruments or tools as the case may be, or they might be induced to accumulate old instruments requiring repair.

[illegible] [illegible] [illegible] already [illegible] sanctioned by [illegible] [illegible] [illegible] orders of Govt. ~~[illegible]~~ a [illegible] [illegible] [illegible] [illegible] [illegible]

12 The Chief Engineer considers that a system fraught with such grave objections should not have been allowed, and desires to receive detailed information as to how it came to be introduced, when it was first inaugurated, and what have been its effects on the issues of tools and instruments, and the

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Have called for a statement of [illegible] of instruments & [illegible] [illegible] [illegible] [illegible]

(Including [illegible])

Lamps for 5 years previous to [illegible] & 5 years [illegible]

amount of stock kept useless in the District for want of repair.

85

13 The Deputy Chief Engineer will therefore be so good as to personally investigate the matter in communication with the District Engineer and report the result for further orders.

See 805 M. 15 Feb/77. P.W.D.

Ootacamund
3rd June 1878

E A [illegible] Colonel R.E.
Chief Engineer P.W.D.

To,
The Deputy Chief Engineer
P.W. Department
Kurnool.

Presidency
Work Shops

Return Rept. of Depy. [illegible] from [illegible] for his opinion.

Pro 9 21-3-77 No 857

Write Supdt. has been requested to give a statement showing particulars of the 40,11 Rs. unexpended

857/1

Endorsements of the District Engineer Presidency No. 784 d/ 9th May and No. 1148 d/ 28th May 18
Letter from the Deputy Chief Engineer P. W. Department.

FOR ORDERS.

The transfers of funds applied for will be made if still required but the report of the Deputy Chief Engineer shows it will be necess to relieve the District Engineer of the Presidenc of the supervision of the Store Department and Workshops. It does not seem practicable to transfer this duty to the Superintending Engineer

Refer to [illegible] for his remarks.

Yes - & no proposal to be made until his report has been in the coming reorganization of the department. It will therefore be necessary to revert to the system in force prior to 1872 under which the Chief Engineer and Secretary supervised the working of the Workshops and Stores and examined all indents for Tools and Instruments. It is also essential that District and Executive Engineers should be more careful in the preparation of indents, and of the instruments themselves after receipt. The numbers of first and second class Levelling

[illegible] The whole
not a proper portion
There [illegible]
[illegible]
[illegible]
The 16/10

Instruments is
Inst Sec's work

16/10

53

Instruments, cases of Mathematical instruments and color boxes that the returns show to have been issued during the last ten years are out of all proportion to the requirements of the Department.

E A Trevor Col: RE
Chief Engineer and
Secy: to Govt: PWD

8th Octr: 1878

FOR ORDERS.

To C

For remarks.

W J

In Reg 921-0-77-No 857/78

16/10

Ar 19/3

Cir 8.10.78 Rtd 14.10.78

O.L. Shul. 91 Shay

Forwarded with [illegible] to Consulting [illegible] with reference to nature of [illegible] approval or [illegible] &c, GMFaulkner

Rules and Regulations

857/9

The P.W. Stores Department supplies new instruments and tools &c. to Local Officers of the P.W.D. in the public Service.

2. All applications for instruments in the public Service must be submitted in duplicate in the following form. The Specification of instruments and [illegible] required being made as full as possible.

Service - - -

Public Works Department

Indent on the General Supt. P.W. Stores for the delivery of the following Articles.

Articles	Quantity or Number now in hand.	Quantity or Number now indented for	Purpose for which required.	Admitted Rs. As. P.	How and to be desp
					The addresses which should be affixed to the forms or cases to be distinctly given in full. abbreviations sometimes lead to mistakes

I do hereby certify that the Articles specified in this indent are indispensably necessary for the purposes set forth, according to the best of my knowledge and belief, after the most careful examination.

Recommended

District Engineer.

Station - -

Date - - }

Signature of Indenting Officer with designation of appointment in full

3. All indents must be duly approved and countersigned by the District Engineer under which indenting Officers may be serving, before they can be supplied, and the Indent should be addressed to the General Supdt. P.W. Stores, Madras.

4. The mode of transit and address, or station to which the instruments &ca. are to be consigned, must invariably be specified on Indents in the proper column - Indents should not be accompanied with forwarding letters, unless more explanation is necessary than can be given on the face of the indent

5. All Officers to whom instruments &ca. are issued on the public Service, have to account for them to the Examiner of P.W. Accounts to whom their accounts are rendered.

6. All instruments &ca. when Unserviceable, or no longer required, should be at once returned to the ~~Presidency~~ P.W. Stores for final deposit, except when their condition or value is such as to make the cost of transit a needless expense to Government, in which case, ~~the~~ Range Officers should refer to the District Engineer, for instructions as to their disposal.

7. When instruments &ca. are received for final deposit in P.W. Stores, a receipt will be granted for them by the General Supdt. P.W. Stores, to enable Officers, from whom received, to remove them from their debit, by forwarding their receipt to the Examiner P.W. Accounts with half-yearly returns of Stores submitted to him.

8. All Government instruments, &ca., requiring repair, &ca., should be forwarded with an official letter or repair indent to the Presidency P.W. Workshops If no longer required and intended

Cir 8-10-18
O.L. Shul-91 Shay

intended to be deposited in Store, it should be specifically mentioned.

9. It is particularly requested that sizes and sorts of instruments and purposes for which required, and generally any information, which will guide the P.W. Store Department in knowing, without further reference, the exact wants of the indenting Officer, be put as far as possible on face of indent, instead of in covering letters.

10. The price list of P.W. Stores shows nomenclature of the various descriptions of instruments ordinarily kept in Store for issue. This nomenclature, it is especially necessary, should be adopted in all indents.

11. The supply should be regulated, not according to what an Officer would like to have, but by what is absolutely necessary.

12. The Service for which the instruments and other Stores required, should on no account be omitted; but should distinctly be marked on the face of the indent. The Services are, "Roads and Buildings", "Irrigation Ordinary", "Irrigation Extraordinary", "Provincial", "Local"; and "Special". Omission of the Services or other condition required, will necessitate the return of the Indent.

13. Separate indents should be forwarded for separate Services and Tools & [illegible] should not be included in the same indent [illegible] Petition as the latter will issue only on [illegible]

The Columns "Admitted" & Va[illegible] will be filled up by the Store Department, after which the Indent will be submitted for [illegible] of the Central Officer

WM
26
1

Shiel 91 May

D.

In Pro of 21-3-79 No 857/13

O.L. Shiel 91 May

Substitute for p[illegible]

857/13

Supdtg Engineers of Circles will
in future Correspond direct
with the Genl Supt. of T.W.W. Wkps
& Stores in reference to all Indents
& requirements for their Circles
and Stock and other returns,
hitherto ~~supd~~ submitted
through the D.C. Presidency
~~and~~ or Supdtg Engineer 3 Circle,
will ~~now~~ in future be supplied direct
by Supdtg Engineers of Circles
to the Genl Supdt of T.W.Ws
& Stores —

release orders [illegible]
issue [illegible]

P.W. Workshops.
10/2/79

857/14

My dear Colonel

The Governor directed me to speak to you with regard to the Workshops & Stores &c being placed directly under the Chief Engineer – If you wish I will call at your office whenever convenient; but I think there is nothing that I can say which you do not already know

h. Sheil – 9th May

It is of course out of the
question for the Workshops
Supt to exercise any
discretion in cutting
down Indents &c when
these Indents are made
by the officer who is
appointed to look after
the Supt himself.
The Governor also told
me that action should

837/13

be taken soon as the
change should be
made before next
official year —
The amount of time that
will be saved & the advantages
generally of making the
Workshops independent of
the people whom they
supply will I believe
be very great indeed.
Yours sincerely
H C Burdebury

P W 18079 Septr

No. 1269

d/10 Feby 1879

Recd

Shil: of Mass

Urgent

GOVT. OF MADRAS } 1879. { P. W. DEPT.

Under SECRETARY.

Fort St. George, 11th February 1879.

OFFICE NOTE

To

C.

The papers regarding the P. W. Workshops & Stores being placed directly under the Chief Engineer, which were sent to you on the 16th October 1878 are urgently required, as the Government have called for information. Please return them with your reply.

OF 187

Dy W.
11.2.79

No 76
To W.

Herewith

L.
17/2

Rec 19/3 102/2

O.L. Shul. 9 May

GOVT. OF MADRAS. } 1879. { P. W. DEPT.

SECRETARY.

Fort St. George, March 7 1879

OFFICE NOTE.

To C

Draft G.O. in reference
to Genl Supdt P.W.W.
S. & Stores for Remarks.

WL
7.3.79

OF 187

Cir 19/3

P.S.
2 MAY 78

Presidency ~~Workshops~~ Stores, D. P. W.,
Chepauk, Madras, 7th May 1878.

No. 170

857/18

From

The GENERAL SUPERINTENDENT,
Public Works Workshops and Stores,

To

The District Engineer
Presidency
Fort St George

Sir,

Enclosures.

With reference to Memo from Secretary to Government P. W. D. No. 1962 dated 2nd May 1878, received under Endorsement No. 674 of the 4th Instant, I have the honor to state that the undermentioned sums will be required for expenditure under Tools and plant in the current Official year for Imperial "Roads & Buildings".

For Instruments	Rs 1000/
" Tools & plant	" 1000/
" Repairs & Carriage	" 2000/

2. On a reference to the Home Indent for 1878-79, it will be seen that the requirement for Tools &c, is very small and was cut down expressly to admit of local supplies being availed of, such as Levelling Staves, Measuring Chains, Parallel rules, and such like articles readily made in the Mathematical Instrument Workshop, and intrenching tools manufactured in the Mechanical Department

Department, thus utilizing the resources of the shops to some extent. I do not say that the above sums are sufficient to meet Indents for tools, seeing that I have nothing in Stock under this head of Service, and the Stores must be immediately replenished, but if the necessity should arise later in the year, I shall apply for additional allotments in the meantime, the above sums, I trust, will enable me to comply with reasonable demands from Range Officers.

I have the honor to be
Sir
Your most obedt Servt
J. N. Grainger
Genl Supdt P.W. Shops &c,

No. 1033

From

The General Superintendent,
P. W. Workshops,

To

The District Engineer
Presidency
Fort St George

Dated 7 May 1878
Despatched
Received

No. 170

Enclosures.

Requests to get the allotment of 4000 Rupees with observations

No 784.

Submitted to the Chief Engineer P.W.D. with reference to his memo No 1962 of 2nd May/78

W. Humphreys Major R.E.
Dist. Engr. Presidency

9th May/78

J.

P.W. 1878 [illegible]

No. 5338

G.O. 231 W d/ 14-1-78
C.E. 1962 d/ 2-5-78

General.

from,

The District Engineer
Presidency.

C.E. No. 2139 d/ 14th May 78

No. 784
Dated 9th
Recd 3 May 1878.

Pro 21-3-79 No. 857 Br

Tools & Plant - under Impl. Roads & Buildings.

Submits letter from Mr Grainger stating that Rs 4000 will be required for expenditure in the current official year on a/c of ——

Cir 19/3
To Govt 10.5.78.

P.S.
24 MAY 78

P3

Endorsement

Stores
~~Workshops~~

87/21

PRESIDENCY ~~WORKSHOPS~~, D. P. W.,
~~Chepauk~~, Madras, 23rd May 1878

No. 270

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS AND STORES,

To

THE District Engineer
Presidency
Fort St George

SIR,

Enclosures.

With reference to Chief Engineer's Memo No. 2139 dated 14th May 1878, and your endorsement thereon No. 934 of the 16th instant, I have the honor to explain the reasons for applying for the following grants on account of "Imperial Buildings and Roads", Tools and plant.

Viz for Instruments	Rs 1000-0-0
Tools	" 1000-0-0
Repairs and Carriage	" 2000-0-0

These allotments are required for replenishing Stock of the undermentioned articles of which there are none at present in the P. W. Stores.

Instruments

Measuring chains 50 feet
" " 100 "
" tapes 50 "
" " 100 "
Levelling Staves
Brass Parallel rules 12", 15" & 18".

Tools

Tools

Axes pick 5 & 6 lb

Crowbars 14, 16 & 24 lbs

Mamoties 6, 7, & 14 lbs

Repairs and Carriage

Repair of Instruments & tools returned into Store

Carriage of articles supplied on Indents

Cooly hire, Boat hire, Pier charges, Freights, cleaning and setting of Machines

The above are matters connected purely with the economy of P.W. Stores, the Workshops should therefore be kept entirely out of view in disposing of the matter under reference

2. To understand the matter rightly, it becomes necessary to explain the method of Indenting and consuming P.W. Stores.

3. In G.O. 2nd May 1868 No 1362, instructions are clearly laid down for guidance in indenting for London supplies, and the quantity to be asked for in the indent is defined in para 3 for example, take the two first items under Instrument and Tool

	[illegible]	[illegible]	Due	[illegible]
Measuring chains 50 ft	50	-	-	50
- 100 ft	50	-	-	50
Tools				
Axes Pick 5 lb	1000	-	-	1000
do 6	1000	-	-	1000

Now since the articles, which should have been indented for, have been omitted from the Home Indent with a view to obtaining them locally, it is clear, I trust, that provision of funds should be made for their purchase; and I am confident that the Chief Engineer, will not object to the Workshops being the suppliers, and as the Workshops is a self supporting institution, and must be paid for every article obtained from it, the P.W. Stores must necessarily pay for all articles, obtained from this source hence the necessity for funds being provided

~~3~~ 4 The Chief Engineer observes in para 3 of his memo that it is the Local Officers who require the articles that should be provided with funds and not the Store Department. It is for the Chief Engineer to decide whether it is more convenient to allot lump sums to the Stores Department for the provision of articles locally which are not in Store, or grant small sums to individual Officers for the purchase of Stores, required by them. If the former decision is arrived at, indents could be supplied from Store as far as its state will admit, and if the Workshops supply, District Engineers must apply to the Chief Engineer for the necessary funds to meet their wants when not supplied by the Stores. The budgets of past years will shew that allotments have always been made to the General Superintendent under Port & Tools and plant for local expenditure in view to meeting similar wants as those alluded to

5 In his letter No 170 dated 7th May 1878, Mr Grainger says that it is not unlikely that further applications for grants may be made, and gives his reasons for saying so. Viz, that he has ~~nothing~~ none of the above articles in Stock under this head of Service to comply with indents. It should be brought

to

Para 4. [illegible]

8 6

85 7/22

to the notice of the Chief Engineer moreover that Range Officers do not keep to, or within, the limits of their yearly estimates and since they cannot foresee what may be required later in the season, it would be considered obstructive on our part to refuse compliance with indents, simply because they were not estimated for. Owing to financial pressure, the Stock of tools had been kept unusually low, and the demands for Famine relief works completely cleared the Stores of all intrenching tools. whether the Stores are to be replenished or not, and to what extent, I respectfully submit for the Chief Engineer's decision.

I have the honor to be
Sir
Your most obedt Servant

G. W. Faulkner
Genl. Supdt. P. W. Stores

No: 1148.

Submitted to the Chief Engr. & P. W. D. with reference to his Memo No: 2139 dt. 14 May 1878.

28 May 1878.

Major. R.E.
District Engineer Pry.

From
The General Superintendent,
P. W. Workshops,
[illegible]

To
The District Engr.
Presidency

Dated 23
Despatched 4 } May 1878
Received

No. 4270

Enclosures.
Submits explanation for applying for tools.

G. O. 13628/ 2 May/68
C. E. 1962 d/ 2d May 1878.
C. E. 2139 d/ 14th do
C. E. 2430 3-6-78.
G. O. 231 W. 14-1-78.
— 2303 do. 27-5-78
— 2065. 29-8-72.
— 2463064-15-4-76. Orig.
4 Statements

PW 1878 Deptt

No 3064

General

From,

The District Engineer
Presidency.

C. E. No. 2430 d/ 3d June 78

No. 1148.

Dated 28th } May 1878.
Recd 29 }

Pro 9 21-3-79 No 857/24

"Imperial Buildings & Roads"
Tools and Plant:—

Submits explanation
from the Genl. Supdt. P.W. Stores
for applying for grants
on account of —

Ai 19/3
To Dy Ch. Eng. 30-5-78
Ai 8-10-78. Retd 14-10-78

857/24

From

The Deputy Chief Engineer P.W.D.

To

The Chief Engineer P.W.D.

Sir

I have the honor to report that in conference with the District Engineer Presidency and the Officiating General Superintendent of Public Works Stores I have ascertained the following facts in reference to the information I was directed to obtain in your Memo 2430 dated the 3rd of June 1878. The delay that has occurred in the submission of this report is due to the time occupied in supplying certain returns which accompany this paper which I found it necessary to call for.

The first portion of the list marked

A shows the articles proposed to be supplied by the Workshops, from the Rs: 4000 applied for – Instruments to the value of Rs 985-11-0 it is intended, should be made up in the Instrument shop – a further amount of Rs. 1166 are for tools required to be also so supplied, and the balance is said to be required for carriage.

The list further goes on to show that more articles are required to replenish stock amounting to Rs: 2000 if funds are available. Again it is noted that these articles have been already indented for by District Engineers and were omitted from the home indent.

2. When Instruments and Tools to be indented for by District Engineers are not in hand in the Stores, ~~&~~ the practice is for the Store Department, which makes no purchases itself whatever, to transfer the Indent to the Workshops to meet either by purchase in the local market or manufacture in the Shops – in most cases I am assured that the manufacturing principle of supply is adopted, and it is only when the urgency of the Indent is such as to preclude manufacture, or when the articles required can be obtained quickly and cheaply in the local market – that purchases are made. It is further stated by the General Superintendent that in this latter case, which is apparently the exception and not the rule, the rates are

enhanced by addition of the authorized centage without which the workshops could not exist - (a certain portion of the workshops establishment has to be sent to make the purchases, carry them to the shops &c &c which of course must be paid for) The General Superintendent further assured me that it frequently happens that articles indented for cannot be had in the market at any price, and that in other cases after careful enquiry he has ascertained that even plus the regulated profits he has been able to manufacture and supply articles indented for at a cheaper rate than if obtained in the market.

3. All instruments, tools and stores issued from the Stores to

9

Imperial works are issued free of charge, the probable annual requirements being regulated by regular indents, which are sanctioned first and budgetted for. While all stores issued to Provincial, Local ~~or~~ other funds &c &c are paid for.

4. On the other hand all issues whatsoever from the work-shops are paid for by all Departments - while no issue of any kind can be made without the previous sanction of the District Engineer.

5. The check by the General Superintendent of the Stores and the Public Works Workshops is simply nil, he is powerless in the matter and very properly so too - thus if he wants even a nail or a single file

from the Stores for use in his Workshops he must submit a regular indent and obtain the sanction of the District Engineer thereto. The Stores and Workshops are totally distinct and have nothing in common except, the General Superintendent has charge of them and is responsible that no issues are made without the District Engineer's sanction.

6. The Return marked B. herewith forwarded shows the issue of scientific Instruments from April 1867 to March 1877 to the Department – and discloses a condition of things that certainly requires early remedy – It will be remarked that no less than 637 first and second class levelling instruments have been issued to the Department, which numbers all told 318 Officers and Subordinates, and again no less than 798 boxes of 1st 2nd and 3rd Classes Mathematical Instruments boxes were issued in the same time – While in six years 647 Color Boxes of sorts were also issued, of which 255 were 1st and 2nd Classes.

7. The Return marked C gives the issues for ten years of Tools &c from the Store Department irrespective of those supplied by the Workshops.

8. Marked D are a set of Draft rules proposed to be adopted to

ensure greater circumspection in the preparation and submission of Indents.

9. I would remark that in former days previous to 1873, all Indents were closely scrutinized in the Secretary's Office and none passed except under his signature – The Returns B and C however tend to prove that no material difference has taken place under the new system, which is that all Indents are now passed by the District Engineer Presidency. The District Engineer has already so much to attend to that it appears to me to be hopeless to expect him to do more than he does at present in the supervision of either the Store Department or Workshops – and I believe it is very desirable he should be relieved of the same and that this Department be once again placed under the immediate orders of the Secretariat – which under the present organization might be done without much inconvenience.

I have the honor to be
Sir
Your most Obedient Servant
Colonel.
Deputy Chief Engineer P.W.D.

30-5-78.

P.W. 1878 Deptt

No 11 826

Recd [illegible]

Cir 17/3
Cir 8.10.78 Ptd 14.11.78
20.5.78

858/29

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following :—

From,

The District Engr. Presidency } (H.E. No. 784 d/ 9th May/78.)
" do- do- (" " 1148 " 28" —do-)
Letter from the Deputy Chief Engr., P.W.D.)

In reference to the late reorganisation of the Public Works Departt., His Grace the Governor in Council directs that the General Superintendent of P.W. Workshops and Stores shall be placed under the immediate orders of the Chief Engineer, P.W. Departt.; the accounts being submitted direct by the General

I assume that the last para "All officers &c" is deliberately approved & that it is intended literally & that Supdtg Engrs. will have no concern with indents of Executives on the Depts.

General Superintendent to the Examiner P. W. accounts, by whom credits will be ~~[illegible]~~ supplied in future as in the case of Divisional Officers.

Supply Engineers of Circles

~~All officers~~ will in future hereafter correspond direct with the General Superintendent of P. W. Workshops and Stores, in reference to ~~requirements~~ Indents for requirements, &ca.; and all instrument and store returns hitherto supplied through other agency with the Presidency in future will now be submitted direct to the General Superintendent.

Ord.

G.O. No. 857 W-21-3-79

Or 19-3-79

No. 857 W

B & R
Works.

Public Works Department.

857/39

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 21st March/79.

Read the following :—

From,

The District Engr. Presidency } (H.E. No. 784 d/ 9th May 1878)
do - do (" " 1148 " 28th - do -)

Letter from the Deputy Chief Engineer P. W. D. dated 30th May 1878.

In reference to the late reorganisation of the Public Works Departt., His Grace the Governor in Council directs that the General Superintendent of P. W. Workshops and Stores shall be placed under the immediate orders of the Chief Engineer, P. W. Departt.; the accounts being submitted direct by the General Supt. to to the Examiner P. W. Accounts, by whom credits will be supplied in future, as in the case of Divisional Officers.

Supt. Engineers of Circles will in future correspond direct with the General Supt. of P. W. Workshops and Stores, in reference to all indents and requirements for their Circles; and store and other returns hitherto ~~submitted~~ forwarded through the District Engineer, Presidency or Supt. Engineer, Third Circle, will in future be ~~supplied~~ forwarded direct by Supt. Engrs of Circles to the General Supt. of P. W. Workshops and Stores.

20/3. W

[illegible]

To All Supdtg Engrs
Ex. P. W. Accts
Genl Supdt P. W. W. S & Stores
8
950
Sept 16-4-79
M. S. [illegible] 21-8-79 [illegible] Circle P. W. A.

Cir 6084 &c

Govt. of 1879 Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd. Encl.

Recd 22-3-79

G. O., 21 Mar 1879, No. 857 W

Nos. 254-255

P. W. Workshops and Stores Presidency — The Genl Supdt of the — ~~to be~~ placed under the immediate orders of the Ch. Engr P. W. Dept, and Sup Engrs of Circles to correspond direct in future with the Genl Supdt

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