

- (1) பக்கங்களின் எண்ணிக்கை 44
 (2) புதுக்கித் திருப்பிய நாள் 10/11/1991
 (3) ஆதாரங்குறிப்பவர் சுருக்கெப்பம் 6/11

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

மாநாடு துறை

அரசாணை எண். 782
 மு. கோப்புத் தாள் எண்.

அச்சகம்
 பலவகை

நாள் :

22-3-1993

198

கண்டிப்படி கையாளவே கூடாது

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From S. D. PEARS, Esq., Executive Engineer, No. I Periyar Division, to the Chief Engineer, Public Works Department, dated Periyar, 4th February 1893, No. 253 C.E.

I have the honour to submit, herewith, an indent for six of Messrs. Richard Schram and Co.'s "Optimus" Compound Rock Drills and to request that you will be good enough to obtain sanction for their early purchase and despatch for the use of the tunnel (No. 2 shaft).

The drills at present working at No. 2 shaft are fairly worn out, having been at work incessantly since the commencement of the tunnel in November 1889. The result is that, while the new drills at the north end put in the required holes in 12 hours, those at No. 2 shaft take about 30 to do the same amount of work. This means an extra cost of Rs. 7 per foot run of tunnel (= Rs. 11,900 in the 1,700' remaining to be done at No. 2 shaft) in firewood alone, which would itself amply cover the cost of the new drills now asked for. The saving in establishment and other charges on account of the earlier completion of the tunnel would also be considerable, but I have not thought it necessary to go into figures on these points as the above saving on firewood will alone conclusively justify the purchase of the new drills.

I have asked for compound drills in preference to the single-acting drills that we are now using on the strength of the enclosed prospectus of Messrs. Schram and Co. and because economy in "motive fluid" happens to be a matter of special importance at No. 2 shaft. The full number of drills that are intended to be worked simultaneously is four. Four of the present type require about 90 horse power to drive them and we have only about 60 horse power available and are therefore able to drive only two or at most three drills at a time. Consequently the compound drills, if they economize air to even a half of the extent claimed for them (and it is clear from their construction that there must be considerable economy), will enable us to drive all four simultaneously at nearly or quite full speed.

I ask for six drills as it is found in practice that two are nearly always under repair.

The cost of six of the present type of drill was Rs. 4,727-9-9 excluding carriage. The compound drills therefore cost about Rs. 200 more each.

You will notice that the makers offer an inspection of their new compound drill in operation. From what we have seen of their other machinery on the tunnel we have no reason to doubt their claims for this drill, but it might be well if the Secretary of State's Consulting Engineer could arrange for an inspection before ordering them, provided that this could be done without delay as the drills are very urgently needed.

No. 552 C.

Forwarded to the Superintending Engineer, V Circle, for the submission of an indent in the prescribed form.

7th February 1893.

(Signed)

O. V. BODDY, Major, R.E.,
Deputy Chief Engineer, P.W.D.

From J. HANNAN, Esq., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepak, 28th February 1893, No. 73 W.

With reference to your endorsement No. 552 C., dated 7th February 1893, returned herewith, I have the honour to forward an indent on the Director-General of Stores in England for six of Messrs. Richard Schram and Cos.' "Optimus" Compound Rock Drills required for No. I Periyar division.

From the Examiner, Public Works Accounts, dated 10th March 1893, No. 781 C.

ORDER—dated 22nd March 1893, No. 782 W., Public Works.

Ordered that the indent be forwarded to the Director-General of Stores for compliance.

2. The attention of the General Superintendent, Public Works Stores, will again be called to G.O., No. 2601 W., dated 19th September 1892, requiring the port of landing to be mentioned on all indents. The omission in the present case has been supplied in the Secretariat, the port of Madras being entered.

[Here enter No. 783 W., Public Works, dated 22nd March 1893.]

(True Extract.)

(Signed) G. T. WALCH,
Ag. Secretary to Govt., P.W.D.

To the Superintendent of Works, No. I Periyar Division.
" Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.

Exd. A. D. Xavier.
Spare Copies

2/1
782-83

GENERAL
ACCOUNT.

Govt. of (1893) Madras.
PUBLIC WORKS.

Dated March, 22nd.

Recd.

Encl.

G.O., 22nd Mar. 1893, No. 782 W.

MARCH.

Indent

The special — for six "Optimus" Compound Rock Drills required for use in No. 1 Periyar division ordered to be forwarded to the Director-General of Stores for compliance.

22ND MARCH 1893, No. 783 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

General
Account.

LETTER—from

G. T. WALCH, Esq.,

Ag. Secretary to the Government of Madras,

Public Works Department,

To

THE DIRECTOR-GENERAL OF STORES,

INDIA OFFICE, LONDON.

SIR,

I am directed to forward, for favour of very early compliance, a special indent, in duplicate, for six "Optimus" Compound Rock Drills urgently required for use in No. 1 Periyar division.

2. The necessary certificate by the Examiner of Public Works Accounts has been recorded on the original of the indent.

I have the honour to be,

Sir,

Your most obedient servant,

Ag. Secretary to Govt., P.W.D.

FORT ST. GEORGE,
22nd March 1893.

Ed. A. D. Xavier.
Spare Copies

GENERAL
ACCOUNT.

Gobi. of (1893) Madras.
PUBLIC WORKS.

Dated March, 22nd.

Read.

Encl.

22nd March 1893, No. 783 W.

MARCH.

Indent

Forwarding, for compliance, a special —
for six "Optimus" Compound Rock Drills
required for use in No. I Periyar division.

18TH SEPTEMBER 1892, No. 2601 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From the Director-General of Stores, India Office, to the Secretary to the Government of Madras, Public Works Department, dated Whitehall, S.W., 26th August 1892, No. S. 6041.

With reference to your letter No. 1647 W., dated 30th May 1892, forwarding an indent for stores required for the Periyar project, I have the honour to inform you that the indent was forwarded to Mr. H. T. Keeling for any remarks, as it was requested in a Public Works letter from the Government of Madras, No. 6/1129 W., dated 6th April 1892, that he might be consulted in regard to the supply of stores for the Periyar project during his stay in England on privilege leave.

2. Mr. Keeling's father replied to my letter, stating that his son had just left England and suggesting that Mr. A. Mackenzie, Assistant Engineer, Periyar project division, who is at home on leave, could give any information that was required. Mr. Mackenzie was accordingly consulted and suggested an alteration in the tachometer (item 1 of the indent) which is explained in the accompanying copy of a letter from him, dated 13th July 1892. Subsequently a letter was received from Mr. Keeling, dated, on board the S.S. *Peninsular*, 28th June 1892, in which he stated that he had no remarks to offer regarding the indent. This letter was referred to Mr. Mackenzie, who observed that he saw no reason for departing from the recommendation made in his letter of 13th July 1892 and the tachometer has, therefore, been ordered in accordance with Mr. Mackenzie's suggestions. A copy of the contract for it is enclosed for your information.

3. The port to which the stores are to be shipped is not stated in the indent. It is proposed to send them to Madras in accordance with the general instruction contained in your letter of 13th May 1891, in which it was stated that stores for the Periyar project should be sent to Madras, unless indents contained a special request for shipment to Tuticorin. It would be an advantage if the port to which stores for this project are to be shipped could be stated in each indent in future.

ENCLOSURE.

From A. MACKENZIE, Esq., 29, Priory Road, Bedford Park, Chiswick, dated 13th July 1892.

In answer to your No. S. 6041, I beg to inform you that the indent you enclose needs no alteration except in the first item, viz., the tachometer. It seems that it is to revolve on a vertical axis and therefore to be driven direct from the turbine, of which the full speed is only 120. The main shaft of the workshop, which is horizontal and is driven by bevel gearing from the turbine shaft, revolves at a full speed of only 200. I should therefore recommend that the revolutions to be indicated by the tachometer should be "lowest 100 and highest 250."

2. If the tachometer is to be driven from the vertical shaft and is to register 150 revs. as a minimum, it will never register at all unless the load is off and the turbine racing; consequently I recommend the correction as above.

ORDER—dated 19th September 1892, No. 2601 W., Public Works.

Communicated to the Superintendent of Works, Periyár Project, with reference to G.O., No. 1646 W., dated 30th May 1892.

2. The attention of the Superintendent of Works and the General Superintendent, Public Works Stores, is called to the last clause of the letter from the Director-General of Stores. The port to which stores are to be shipped should be stated on all indents in future.

(True Extract.)

(Signed) J. PENNYQUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent of Works, Periyár Project, with copy of contract.
Superintending Engineer, V Circle.

Encl. A. D. Xavier.
Spare Copies

6
182-53

GENERAL
ACCOUNT.

Gobt. of {1892} Madras.
PUBLIC WORKS.

Dated September, 1892.

Recd.

Encl.

G.O. 19th Sept. 1892, No. 2601 W.

SEPTEMBER.

Stores

Letter from the Director-General of Stores regarding an alteration to a tachometer indented for for the Periyár project, communicated to the Superintendent of Works, Periyár Project, with certain instructions.

9TH JANUARY 1893, No. 19 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General
Account.

READ—the following papers:—

From the Superintendent of Works, No. I Periyár Division, dated 31st October 1892, No. 175 C.E.

From W. HUGHES, Esq., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepák, 21st November 1892, No. 496 W.

With reference to your endorsement No. 4650 C., dated 8th November 1892 (returned), I have the honour to forward an indent on the Director-General of Stores in England for articles required for wire tramway in No. I Periyár division.

From the Examiner, Public Works Accounts, dated 16th December 1892, No. 2027 C.

ORDER—dated 9th January 1893, No. 19 W., Public Works.

Ordered that the indent be forwarded to the Director-General of Stores for compliance.

2. The attention of the General Superintendent, Public Works Stores, will be called to G.O., No. 2601 W., dated 19th September 1892, requiring the port of landing to be mentioned on all indents. The omission in the present case has been supplied in the Secretariat, the port of Madras being entered.

[Here enter No. 20 W., Public Works, dated 9th January 1893.]

(True Extract.)

(Signed) G. T. WALCH,
Ag. Secretary to Govt., P.W.D.

To the Superintendent of Works, No. I Periyár division.
„ Superintending Engineer, V Circle.
„ Examiner, Public Works Accounts.

Exd. A. D. Xavier.
Spare Copies

GENERAL
ACCOUNT.

Govt. of (1893) Madras.
PUBLIC WORKS.

Dated January, 9th.

Recd.

Encl.

G.O., 9th Jan. 1893, No. 19 W.

JANUARY.

Indent

Ordered that the — for stores required in the No. I Periyar division be forwarded to the Director-General of Stores for compliance.

11th FEBRUARY 1893, No. 331 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General
Establishment.

Read—the following paper :—

Note by the Acting Chief Engineer, Public Works Department, dated 1st February 1893.

ORDER—dated 11th February 1893, No. 331 W., Public Works.

His Excellency the Governor in Council considers that the Acting Chief Engineer has shown sufficient reasons for continuing, for this year at all events, the fever-season "recess" hitherto allowed in connection with No. I Periyar division and empowers the Acting Chief Engineer to arrange for it in the usual way.

2. Next year the matter should be again submitted for the orders of Government.

(True Extract.)

(Signed) G. T. WALCH,
Ag. Secretary to Govt., P.W.D.

To the Superintendent of Works, Periyar Project.
Chief Engineer for Irrigation.

Ext. C. A. Muniswamy.
Spare Copies

GENERAL
ESTABLISHMENT.

Govt. of (1893) Madras.
PUBLIC WORKS.

Dated February, 11th.

Recd.

Encl.

G.O., 11th Feb. 1893, No. 381 W.

FEBRUARY.

Periyar Project

Recess.—The Acting Chief Engineer empowered to arrange for the continuance for this year the — hitherto allowed in connection with No. I Periyar division.

Government of Madras.

1893.

P. W. DEPARTMENT.

CURRENT No. 1144

From *Eng. Engineer*
No. I Periyar Div.

ENCLOS.— 2

No. 253 C.E.

Dated 4-2-93

Received 7-2-93

SUBJECT.

*"Optimist" Compound Road
Mills — Submits an
indent for 6 of Messrs.
Richard Schuman and Co.*

DISPOSAL.

552 C dated 7-February
1893

*Forwarded to the
Supt. Engineer & Civil
for the submission of
an indent in the prescribed
form. 11th Feb. 1893*

Office of the Superintendent of Works
No 1 Penyar Division
Penyar dated 25th February 1893

REVOLUTION IN ROCK DRILLING *4-23*

(P. J. OGLES' PATENT)

A B C CODE
used.

One of the great objections to the universal use of Rock Boring Machines has hitherto been the large amount of compressed air required for working the same. This objection has now been overcome by the invention of the "Optimus" Rock Drill, which works on the compound principle. The lower end of the cylinder is bored out to a larger diameter than the upper end, and during the forward stroke of the piston, the air is exhausted from the lower end of the cylinder, and the air at full pressure is simultaneously admitted to the upper end of the cylinder, thus giving a most powerful and rapid stroke. The air that has been used to make the forward stroke, instead of being exhausted to the atmosphere, is now taken through the valve to the underside of the lower piston and utilized for the backward stroke, the result of this in combination with the other improvements in the construction of this Drill is that the consumption of compressed air is 45 per cent. less than that of any other Drill of the same size; and in addition to this enormous economy, the following further advantages are obtained by the adoption of the "Optimus" Drill:—

Great reduction in quantity of coal burnt.

The cost of transport of the Plant will be materially lessened.

Smaller air-conducting pipes and flexible hose will be required.

Where an Air Compressing Plant is already installed, a large addition can be made to the number of Drills without increasing the Plant and without any extra power. It is estimated that in countries where fuel is expensive, such as South Africa, India, Australia, etc., at least £1000 a year will be saved in a twelve-drill Plant. We therefore consider that anyone who contemplates putting down a Rock Drilling Plant should thoroughly investigate this system before arriving at a decision.

No.	I.	3	inches diameter.	...	£52	220 lbs.	Obdura.
19	II.	3	"	"	55	255 "	Oblate.
20	III.	3	"	"	60	310 "	Obole.

The "Optimus" Rock Drill has been in successful work in a Mine in North Wales for some months, and arrangements can be made for intending purchasers to see it in operation either in London or at the Mine.

17a. GREAT GEORGE STREET, LONDON, S.W.

account

RICHARD SCHRAM & CO., ENGINEERS.

Telegrams—
SCHRAM, LONDON

SPECIALITIES.

A. B. C. CODE
L524

AIR COMPRESSORS OF VARIOUS DESIGNS

TO BE DRIVEN BY STEAM DIRECT BELTING FROM EXISTING
ENGINE, TURBINE, OR ANY OTHER MOTOR.

STEAM BOILERS

OF THE CORNISH, LANCASHIRE, LOCO, MULTITUBULAR AND
OTHER TYPES.

AIR RECEIVERS, AIR DISTRIBUTORS, AND WATER INJECTORS
WITH ALL NECESSARY FITTINGS.

WROUGHT IRON STEAM, AIR, AND WATER PIPES,
EITHER FLANGED OR SCREWED AND SOCKETED.

CAST IRON FLANGED OR SPIGOT AND SOCKET PIPES.

SPECIAL INDIA RUBBER HOSE PIPES
FOR STEAM OR COMPRESSED AIR LAPPED WITH TARRED MARLINE
OR WIRE BOUND.

CARRIAGE SUPPORTS OF DIFFERENT CONSTRUCTIONS
FOR ONE, TWO, OR MORE ROCK DRILLS.

TUNNEL COLUMNS, SPECIAL SUPPORTS FOR SHAFT SINKING,
AND UNIVERSAL CLAMPS.

83/100 VENTILATING AND EXHAUSTING FANS.

SPECIAL CAST STEEL DRILL BITS.

EVERY REQUISITE REQUIRED FOR ROCK DRILLING MACHINERY.

Estimates, Specification, and full particulars on application.

17a GREAT GEORGE STREET, LONDON, S.W.

No 272 - CR

From

To

Sir,

With reference to G. O. No
381-W dated 11th February 93 I have the honor
to report that I propose, in anticipation
of your approval, to allow Mr B. J.
Matthews, Tunneller, to avail himself
of the recess from the 1st March or as
soon afterwards as he may finish his
accounts

Office of the Superintendent of Works
No 1 Periyar Division
Periyar dated 25th February 1893

2/25/93

S. D. Pears Esq^r

Superintendent of Works
No 1 Periyar Division
Periyar

The Chief Engineer,
Public Works Department

Madras

accounts to see till about 15th May.

My reasons for this are 1st that the water in the tank at No 2 shaft which supplies the boilers, is now so low, that work has to be entirely stopped for a day or two in every few days to enable the water to accumulate sufficiently to carry on work for the succeeding few days; and progress is in consequence extremely slow and expensive. By the middle, or at latest the end, of May the annual showers will sustain the supply from the tank sufficiently for work to proceed with regularity, and if, as I hope, the new drills asked for in my No 25362 dated 4th February 93 are received before then, rapid and cheap progress with them be possible. It is true that the lady will be feverish but Mr Matthews and his small staff of men are willing to face the fever for a month or so, in the interests of the
of the

13th April
of the work. The second reason for my proposal is that Mr Matthews's house at the North End has recently been almost destroyed by fire. He is temporarily accommodated in a shed at considerable distance from the work and inconvenience to himself and it will not be until April or May that fresh and suitable accommodation can be got ready for him. I therefore beg the favour of your approval to my suggestion.

2. With regard to the office and the remainder of the staff, I will report to you, in a fortnight or three weeks time, the date on which the change of head quarters may be effected with most convenience to the works in general. It will probably be about 10th April. Superintending Engineer.
The circle has been meanwhile addressed

Addressed as to the provision of
accommodation at Trichinopoly
for the Office

I have the honor to be,

Sir,

your most obedient servant

S. D. Pears.

Superintendent of Works

No 1 Prison Division

A.P.V.
2/11

10
182-83

No 1 Panyar Division

Subdnt on England for stores required for use in No 1 Panyar Division

Item No.	Description	Number or Quantity	Rate	Amount	Remarks
1	Jessie Richard Johnson and Co "Optimus" Compound Rock Drills - No 3 (3 1/2" diameter)	No 6 60	-	360	

Panyar
4 February 1893

S. J. Rand.
Executive Engineer
No 1 Panyar Division

CURRENT NO. 1864
No 1 Panyar Division

From

The Supt of Works
No 1 Panyar Div

To

The Chief Engr PWD.
Madras

No 986ca/3D Rand

The suggestion
of the Supt of Works
is approved.

28/2/93
Supt of Works

No 272. Cto.

Panyar
3 February 93
Dated 25
Recd: 28.2.93

Recd.

Recommends that
Mr B. J. Matthews may
be allowed to avail
himself of the ———
from 1st March 93 for
reasons stated within

Supt of Works & Property

243

28/2/93
Supt of Works

No. _____

18
98283

INDENT FOR STORES required for the Public Works Department in the Province of Madras
Presidency for the service of the Indian Government.

I HEREBY certify that the Stores enumerated in this Indent are absolutely required for the service of the Public Works Department for a period of _____ months, and I further certify that I have, by a personal inspection of Books and Stores, satisfied myself that they comprise that least possible quantity necessary for the above period.

Dated this _____ day of _____ 189____
at _____

Signature C. Swall

Rank Secretary to Government P. W. D.

- RE.—1. In cases in which a personal inspection of Books and Stores cannot be made, the portion of the Certificate relating thereto should be scored through.
2. The Indent should be paged, and the signature attached to the last line of the Indent.

Received by the Director-General of Stores in England the _____ day of _____ 189____

Office of the Supt of Works
No 25302 No 1 Periyar Division

Periyar 4th February 1893
From S. D. Pears Esquire,

Executive Engineer No 1 Periyar
Division
Periyar

To The Chief Engineer
Public Works Department
Madras

Sir,

I have the honor to submit herewith
an indent for 6 of Messrs. Richard
Schram and Co's 'Optimus' Compound
Rock Drills, and to request that you
will be good enough to obtain sanction
for their early purchase and despatch
for the use of the tunnel (No 2 Shaft)

The drills at present working
at No 2 Shaft are fairly worn out
having been at work incessantly
since the commencement of the tunnel
in November 1889. The result is that
while the new drills at the North
end put in the required holes
in 12 hours, those at No 2 Shaft
take

Enclosure 2.
1 Indent.
1 Prospectus.

can do at 50 c do the same amount
of work. This means an extra cost
of Rs 7 per foot run of tunnel (Rs 11900
in the 1700' remaining to be done at No
2 shaft) in firewood alone, which
would itself amply cover the cost
of the new drills now asked for. The
saving in establishment and other charges,
on account of the earlier completion
of the tunnel would also be considerable,
but I have not thought it necessary
to go into figures on these points as the
above saving on firewood will alone
conclusively justify the purchase of the
new drills.

I have asked for Compound
Drills in preference to the single-acting
drills that we are now using, on the
strength of the enclosed prospectus of
Messrs. Schram and Co, and because
economy in "motive fluid" happens
to be a matter of special importance
at No 2 shaft. The full number
of drills that are intended to be
worked simultaneously is 4. 4 of the
present

present type require about 90 Horse
power to drive them, and we have
only about 60 Horse power available,
and are therefore able to drive only
2 or at most 3 drills at a time.
Consequently the compound drills - if
they economize air to even a half of
the extent claimed for them (and it
is clear from their construction that
there must be considerable economy) -
will enable us to drive all four
simultaneously at nearly or quite full
speed.

I ask for 6 drills as it is found
in practice that two are nearly
always under repair.

The Cost of 6 of the present type
of drill was Rs 4727-9-9 excluding
carriage. The Compound drills
therefore cost about Rs 200 more
each.

You will notice that the
makers offer an inspection of their
new compound drill in operation.
From what we have seen of their
other

concerning the tunnel
we have no reason to doubt their
claims for this drill, but it might
be well if the Secretary of State's
Consulting Engineer could arrange
for an inspection before ordering
them, provided that this could
be done without delay as the drills
are very urgently needed.

I have the honor to be,

Sir,

Your most obedient servant

S. D. Ross.

Consulting Engineer

U. S. Army - Dist.

[Signature]

19
82.92

P. W. CURRENT No. 4444
No. I Periyar Division
2374/93

From
The Executive Engineer,
No. I Periyar Division
The Chief Engineer
Public Works Department
Madras
No. 253 C.E.
Dated 4th February/93
Received 7.2.93

Enclosures 2.
"Optimus" Compound
Rock Drills
Submits an indent
for 6 of Messrs Richard
Schram and Co.



No. 552 C.E. 7th February 1893
Forwarded to
the Supty. Engineer
Circle for the submission
of an indent in the
prescribed form.

Yours faithfully
By: Chief Engineer
Supty. Engineer

The Supty. Engineer
Circle

No. 738.
28/2/93
SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chennai, 28th February 1893.

From
J. Hannan Esquire
SUPERINTENDING ENGINEER,
V CIRCLE,
To
THE Chief Engineer P.W. Department
Thru the Examiner P.W. Accounts

SIR,
With reference to your Indorsement No. 552 C.

Enclosures
One Original Indent
No. 552 C. 7.2.93 on
letter from No. I Periyar
Division No. 253 C.E. 7.2.93
with its 2 enclosures
viz 1 Indent and 1
Prospectus.
One Indent on the Director General of Stores in
England in triplicate.
4th February 1893 returned herewith, I have the
honor to forward an Indent on the Director General
of Stores in England for 6 of Messrs Richard
Schram and Co's "Optimus" Compound
Rock Drill required for No. I Periyar Division.

I have the honor to be
Sir
Your most obedt Servt

J. Hannan
Supty. Engineer & Circle

P. W. CURRENT No. 2374

FROM

THE SUPERINTENDING ENGINEER,

V. CIRCLE,

TO

THE

Chief Engineer

P. W. Department.

Mr. The Executive P. W. Officer

Dated 28th

Recd.

February 1893

ENCLOSURES

2 (in double)

No. 73 H.

Indent on the Director
General of Stores for Empd.

Forwards the same for the
of Messrs. Richard Schram
of "Aphionus" Company
Black Drill required for the
Panyam Division.

No. 2601 W d/ 17-9-92

" 19W - 9-1-93

" 381W - 11-2-93

" 986C - 3-3-93

No. 2737 f/ 93

12/3/93

No. 782 W d/ 22nd March 1893

PUBLIC WORKS DEPARTMENT.

2/8/83

Genl
H. H. H.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the Suptdt. of Works No. 1 Periyar D. No. 253C & d/ 27th
S. E. V Circle No. 73W d/ 28th Febry. 1893
Excar. P. W. Accts No. 781C d/ 10th Mar 1893

Ordered that the
indent be forwarded to
the Director General of Stores
for Compliance.

2. The attention of the General
Suptdt. P. W. Stores will again
be called to G. O. No. 2601 W
d/ 19th September 1892 requiring
the port of landing to be
mentioned on all indents.
The omission in the present
case has been supplied in
the Secretariat, the port
of Madras being entered.

H. E. No. 783 W d/ 22 Mar/ 93

To the Director G. of Stores,
India office, London

Sir,
I am directed
to

* vide G. O. 19W 289.1.93 para 2

To the Suptdt. of Works, No. 1 Periyar D.
" S. E. V Circle
" Excar. P. W. Accts.

Mem

22
782-13

to forward for favor of
very early compliance, a
special indent, in duplicate,
for 6 "Optimus" Compound
Rock Drills urgently
required for use in
N. 1 Periyar Division.

2. The necessary certificate
by the Examiner of P.W.
Accounts has been recorded
on the original of the
indent.

15/5/05

B.M.
D.

13/5/05

CN^o 2374

1893

Public Works Department.

No. 7826

Dated 23rd March/93

Despatched

Received

Subject.

Indent

The special—
for six optimus
compound rock
drills required for
use in No. 1 Peruvian
Division ordered
to be forwarded to
the S. G. of stores
for compliance

— 30 —
forwarding for
compliance a special

for six optimus
compound rock
drills required
use in No. 1
Peruvian Division
~~the~~