(1) பக்கங்களின் எண்ணிக்கை 56

(2) புதுக்கித் திருப்பிய நாள் 3.2.88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

நிர்வாகச் சீர்திருத்தம் துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2241-42/W. அச்சகம் பலவகை

நாள் : 23.7.1888 19

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

1
2241-2242

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Bangalore, 8th June 1888, No. 993.

With reference to G.O. No. 1257 W., dated 27th April 1888, I have the honor to forward a special indent, in triplicate, on the Home Government for a steam road roller, ten tons, with stone-breaker combined, required by the Superintending Engineer, IV Circle, for use in the Nilgiri Division.

From the Examiner, Public Works Accounts, dated 18th June 1888, No. 155 W.

No. 2322 C.

Referred back to the Superintending Engineer, V Circle, for favor of information whether the General Superintendent, Public Works Stores, has reason to believe that steam-rollers are now manufactured with stone-breakers attached.

(By Order.)

(Signed) W. L. C. BADDELEY, Captain, R.E.,
Dy. Chief Engineer, P.W.D.

22nd June 1888.

From Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 30th June 1888, No. 1397.

In returning your endorsement No. 2322 C., dated 22nd June 1888, I have the honor to state that the General Superintendent, Public Works Stores, reports as follows:—

"I have some recollection of seeing, whilst in England some years ago, a steam-roller employed for driving a stone-breaker. I cannot find any estimate for the combined steam-roller and stone-breaker in our office catalogue, which, I may here remark, is very incomplete. I do not suppose there will be any difficulty in procuring a stone-breaking machine that can be attached to any description of engine or steam-roller by the most ordinary gearing."

No. 1881.

Returned with the necessary certificate.

(Signed) C. H. P. CHRISTIE, Major, R.E.,
Examiner, Public Works Accounts.

13th July 1888.

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated July, 23rd.

Recd. *Encl.*

G.O., 23rd July 1888, No. 2241 W.

JULY.

Indent

Ordered that the — for a steam-roller combined, if possible, with a stone-breaker for use on the Coonoor ghât in the Madras Presidency, be forwarded to the Home Government for compliance.

3/2241+2242

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

COLONEL J. O. HASTED, R.E.,
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 favor of compliance, an indent for a steam-roller combined, if possible, with a stone-breaker for use on the Coonoor ghât in this Presidency.

2. A certificate from the Examiner, Public Works Accounts, showing that the requisite funds have been provided, will be found printed with the Proceedings of Government herewith forwarded.

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

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

OOTACAMUND,
23rd July 1888.

ENDORSEMENT—dated 23rd July 1888, No. $\frac{2242 \text{ W.}}{A}$, Public Works.

Copy of the above, with copy of the indent, forwarded to the Government of India for information.

Colonel, R.E.,
Secretary to Government, P.W.D.

Exd. F. R. Bantleman.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated July, 23rd.

Recd. *Encl.*

23rd July 1888, Nos. 2242, 2242-A W.

JULY.

Indent

Forwarding copy of letter to the Lirector-General of Stores with copy of an — for a steam-roller combined, if possible, with a stone-breaker for use on the Coonoor ghât in the Madras Presidency.

S
2241+2242

PUBLIC WORKS DEPARTMENT.

General
Account.

LETTER—from

COLONEL J. O. HASTED, R.E.,
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 favor of compliance, an indent for a steam-roller combined, if possible, with a stone-breaker for use on the Coonoor ghât in this Presidency.

2. A certificate from the Examiner, Public Works Accounts, showing that the requisite funds have been provided, will be found printed with the Proceedings of Government herewith forwarded.

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

Colonel, R.E.,
Secretary to Government, P.W.D.

OOTACAMUND,
23rd July 1888.

Exd. F. R. Bantleman.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated July, 23rd.

Recd. *Encl.*

23rd July 1888, No. 2242 W.

JULY.

Indent

Forwarding, for compliance, an — for a steam-roller combined, if possible, with a stone-breaker for use on the Coonoor ghât in the Madras Presidency.

No. 1257 W dy 27-4-88

1888.

P. W. DEPARTMENT.

Current No. 5865

2242/2242

From

The Examiner
P.W. Accts.

Enclos — ^1

No. 155 W
Dated 18th June 1888
Received 19 — do —

x 4 in triplicate

Subject.

Forwarding with remarks letter from S.E.V circle submitting a special Indent on the Home Govt for a Steam road roller - ten ton - with Stone breaker Continued req^d by the S.E. IV for use in the Nilgiri Division x

Disposal.

No. 2322 C Dated 22nd June 1888

Referred back to the S.E.V circle for favour of information whether the Genrl. Supt. P.W. Stores has reason to believe that steam rollers are now manufactured in the stone

Ind 25/10

stone breakers attached

(By order)

(sd) W. L. C. Baddeley

Capt R. E.

Dy. Chief Engr P. W. D.

I

B W/20/6

Desbd 22/6

6459

CE 0511 7 8/2241/2242

Kindly see that indents are signed by the Superintending Engineer to Maidan.

These papers are now going to the Chief Engineer.

(Sd) D

6459

Q
22/8/242

B

Please report
with reference to
Govts. - vide
Cs end Tue
15 Jan 8/18/6/88

Lee
4.7.88

S Arr

In his Statement
of demands No 17750
have been applied
for & the Nilgiris Dr
under Torts & Claret
which includes a
provision of Rs 7750
on account of the
steamer & Boiler

Under noted
Against this
demand Rs 1204
have been
allotted in the
orders on the state
monthly demands
The indent - Can
therefore be
kept against
the Current years
allotment to
the relief Fund
under Forests Plant

R
4/9

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
		Rs		Rs.	Rs.
	Work :- Purchase of a Steam roller for use on the Indian Gardens Work.				
1	One improved 10 Ton Steam roller complete by Aveling and Porter including transit to Nattapattu			7500	
	Fitting & Contingencies			250	
				Grand Total of Estimate ..	7750

F. Beatty - C.C.I.R.E.
Supg. Engineer 1st Circle.

Station Ootacamund
Dated 14 April 1888

Executive Engineer.

10
2241/2242

Reference to Madras P. W. D. Code.

Paras. 921, 932, &c., 949, 952–955, 962–964.

SUPG. ENGINEER'S OFFICE
No. 3/227/88
16 APR. 88
P. W. D.
FOURTH CIRCLE

P. W. D. Form.
No. M 207.

Circle— Fourth

Division— Nilgiri

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No. 29
of 1887-88 for

Purchase of a Steam roller for use on the Kullar-Gudalur road.

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
		Rs.		Rs.	Rs.
	Purchase of a Steam roller for use on the Kullar-Gudalur Road.				
1	Re-improved 10 Ton Steam roller complete by Aveling & Porter including transit to Nettupollium				7500.
	Fitting & Contingencies				250.

11
2261/2262

C. Beatty. Col. R.E.
Supg: Engineer 4th Circle

Grand Total of Estimate ... 7750

Station Ootacamund
Dated 16th April 1888.

Rec'd 21 Dec 1887

Rec'd W. B. de Winton
Executive Engineer.

REFERENCE TO MADRAS P. W. D. CODE.

PARAS. 921, 932, &c., 949, 952–955, 962–964.

P. W. D. Form No. M 207.

SUPDG. ENGINEER'S OFFICE
NO. 2/227
16 APR. 88
P. W. D.
FOURTH CIRCLE

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

To accompany the Detailed Estimate No. 29 of 1888-89 for *

E.3 [illegible]

* Here enter the name and description of work in full.

Estimate No. _____ *of* 1888-89.

12
22410 2262

Financial Head— ~~Fund~~ Provincial

Budget Head— Service Tools & Plants

Departmental Head— Irrn Supply

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Purchase of a Steam roller for use on the Kullar-Godalur road.

Amount of Estimate— Rs 7-750.

To be carried out by—

N.B.—This space should not be written upon as it is required for filing.

REFERENCES.

REFERENCE TO MADRAS P. W. D. CODE.

PARAS. 1074 TO 1.76.

P. W. D. Form No. M 203

SUPDG. ENGINEER'S OFFICE
16 APR 88
P. W. D.
FOURTH CIRCLE

Nilgiris CIRCLE.

DIVISION— Ootacamund

TALUK—

ESTIMATE FORM—Wrapper or Outer-sheet.

Estimate for Purchase of Steam Roller for use in the Nilgiris

Amount of Estimate, Rs. 7750

Detailed Estimate, No. 39 of 1888-89

* Here enter name and description of work in full.

Comparative Statement of Cost of Steam and Bullock Roller.

Description of Roller.	Weight	Prime Cost	Daily Cost: Labor and fireman	Depreciation: Steam Roller 5 per cent	Depreciation: Bullock roller 4 per cent	Depreciation: Bullocks 15 per cent	Total daily Cost	Daily work: L	B	D	Cubic Contents	Rate per Rft of Road Consolidation	Rate per c.ft of Road Consolidation
								of metal Consolidated					
	Tons	Rs	Rs	Rs	Rs	Rs	Rs	Feet	Feet	Feet	C.ft.		
Aveling & Improved Steam Roller	10	7500	5	1	-	"	6	660	12	½	3960	2 pies	1/3 pie
Bullock Roller.													
Roller	2	370	4½	"	0-0-8	-	4¾	10½	12	¼	322	8 pies	2.6 pies
4 pairs Bullocks	-	480		"	"	0-3-2							

13/224 Jan 1889

Nilgiri Division Office
Ootacamund
14th April 1888

Executive Engineer

SUPTG ENGINEER'S OFFICE
No. 1/22 Rl
16 APR. 88
P. W. D.
FOURTH CIRCLE

No. 71
N.D.

16
22612262

Memorandum.

In reply to endorsement No. 2560 dated 5th December 1887, received from the Executive Engineer Nilgiri Division on the subject of a Steam Roller, the undersigned has the honor to inform him that he enquired from Mr. Mackenzie, one of the Contractors employed on the Calicut Wayitri road about the Steam Roller used by him. Mr. Mackenzie said it Costs about Rs. 5 per day to work the machine fire wood costing about one rupee per 1000 lbs. Further that it is difficult to manage the machine when going down hill, and that unless the man in charge is very steady and can keep his head under difficulties the roller is apt to run away or become otherwise unmanageable. In short Mr. Mackenzie considered it could not be managed at all except by a steady and reliable man.

As

2 As regards work, the machine is very useful when a comparatively long piece of road requires to be metalled but it is not very suitable when repairs to the road surface require to be done here and there. Mr Mackenzie's is a ten ton roller and he said it rolled and consolidated about two furlongs of the surface of the road each day on the Jamracheri ghaut the metal being 6 inches thick.

3. In the absence of further information from the Executive Engineer regarding the cost time &c now expended by the Rollers drawn by bullocks the undersigned is not disposed to recommend that a Steam roller should be provided for the Nilgiri Division. He believes a Steam Roller would be expensive to work, and probably give a great deal of trouble in the way of Repairs and management while working on inclines.

Signed / J. McMartin
Ag. Supdg. Engineer
IV Circle

Coimbatore
22nd February 1888

(True copy)
K Beatty - Col: R.E.
Superintending Engineer IV Circle

No. 181

P. W. D.

N.B.—Please quote the number and date of this letter in future communication on this subject.

NILGIRI DIVISION OFFICE,

STATION Ootacamund the 7th April 1888.

Enclosures. X3
1 Comparative statement
1 abstract estimate
1 do. duplicate

From

W. B. de Winton Esquire
EXECUTIVE ENGINEER, NILGIRI DIVISION,
OOTACAMUND;

To

THE SUPERINTENDING ENGINEER,
FOURTH CIRCLE,
COIMBATORE.

SIR,

With reference to your No 71/N.3 of 23rd February 1888, I have the honor to forward herewith a statement showing the comparative cost of a Steam and bullock roller on the Coonoor ghaut by which you will perceive that the advantage is very much in favor of the former.

2. For the daily cost of the Steam roller I have taken the figures supplied by you in the above memo, as I find I can get firewood for about the same

same money.

3. You will see that I have taken only half the distance mentioned by Mr Martin in para 2 of the memo, as the daily work of a steam roller because 2 furlongs seemed to me to be excessive, in which opinion I was supported by Mr Allen, Asstt Engineer, when I met him last month at Chhadi.

4. That officer also stated that the daily cost was nearer Rs 8 than Rs 5, but even if this additional cost is taken into account, the advantage is still very greatly in favor of the steam roller.

5. I have little doubt myself that a steam roller on the Lonavar Ghaut will be more economical in the long run than a bullock roller and the work it does is incomparably superior. It will have long lengths of road to work on, because I hope by degrees

to re-metal the whole ghaut.

6. The only difficulty is a driver, and I think we ought to be able to obtain a thunder from one of the Railway companies, for Rs 150/ per month, who would be fully competent to take charge of the roller.

7. I have therefore, the honor to submit an estimate for the latest type of steam roller obtained in Bombay and delivered at Nasik Pleasure, amounting to Rs 7750 and beg that you will forward it for the sanction of Government

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

J Brunton
Executive Engineer

No. 143
Ex

Submitted to the Chief Engineer P. W. Department with a request that he will be good enough to obtain the sanction of Government to the purchase of a Steam Roller for use on the Kullar Gudalur Road.

From the enquiry made and information obtained from the works on the Tamraceri Ghat, it appears there would be great economy by the use of a steam roller.

Copy of the Memo of the Ag. Supt. Engineer No. 271 R. I. of 23rd February 1888 is also forwarded for information.

L. Beatty - Col. R.E.
Supt. Engineer, IV Circle
Coimbatore
16th April 1888

SUPG. ENGINEER'S OFFICE
NO. 227 h 3
16 APR 88
P. W. D.
FOURTH CIRCLE

From
THE EXECUTIVE ENGINEER,
NILGIRI DIVISION,

To
THE SUPERINTENDING ENGINEER,
4TH CIRCLE.

Dated 14
Despatched 14 } April 1888.
Received

No. 181

Enclosures. 3.

Subject.

Forwarding a comparative statement of Coey steam & Bullock roller formation with an Estimate for Rs. 7750 for purchasing the Steam Roller.

On the back

17

PWC No 3594

From

The Supg Engineer,
Fourth circle

Dated 16th April 1888

Rg 18-4-88

No 1257/A of 21 April 88

No: 143
GW

Encls 4

Steam Rollers
Roller

Requesting to obtain sanction of Government to the purchase of a — for use on Kullar Gudalur Road.

Public Works Department.

18
2261/2242

Current No. 3594
Letter No. 143 E.W.
Dated 16th April 1888
From the Supg: Engr IV Circle

The steam roller should be obtained through the Indent Dept. The Indent should contain information regarding the ordinary, and maximum gradients on which the roller will have to work.—

Orders
20.4.88

Draft order sanctioning the supply, or enclosing

Note of Remarks.

The estimate under review amounting to Rs 7,750 provides for the purchase of a Steam Roller required for use on the Kullar Gudalur road in the Nilgiri District.

The late Asst. Supy: Engineer, Mr. Martin, to be answerable to the purchase of a Steam roller on the score of cost of working and desirability of arrangements when going down inclines

0 16/4
IV 23/4
0 21/4 Hm 24/4 Hm 25/4 R. 27-4-88

But from information obtained from the Works in the Tinnevelly that the objection raised and it is shown that a steam roller is both more economical and effective than the ordinary rollers drawn by bullocks, the Superintending Engineer, Southern Circle, proposes to request that sanction may be obtained for the purchase of a steam roller for the Kullar Sudalur road.

The rate cannot be checked in this office

27/4/88

PUBLIC WORKS DEPARTMENT.

2c 2249/88

PROCEEDINGS OF THE MADRAS GOVERNMENT

UNDER date the

READ the following

From the S.E. II Circle Dt. 14 & Enc. & 16. 4. 88

The supply of a steam roller for use on the Kullar - Sudalur road is sanctioned, but the machine need be obtained from England through the India Office. The indent should contain information regarding the ordinary & maximum gradients on which the roller will have to work.

The Secl Supt

2

It are included under 'Labour Friend' Rough in the case of the steam roller the Estimate approximate.

Jobs

25/4/88

P. W. Stores will frame an indent on the Home Govt. according to, in communication with the Supdg Engr IV Circle

Mem
21.4.88

2741
2742
2743

Jtt
23/4/88

S. E. IV Circle
S. S. I Circle

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Bangalore 8th June 1888.

No. 993.

From

Colonel H M Vibart RE
SUPERINTENDING ENGINEER,
V CIRCLE.

To

THE Chief Engineer
Public Works Department
Thro' The Examiner of Accounts

SIR,

Enclosures

With reference to G. O. No 1257 W dated 27- April 1888 I have the honor to forward a special Indent - in triplicate - on the Home Government for a Steam road roller - ten tons - with stone breaker combined required by the Superintending Engineer fourth circle for use in the Nilgiri Division.

I have the honor to be,
Sir
Your Most Obed! Servant

H M Vibart
Colonel RE
Supg. Engineer V circle

1/127 P.W.S.
28-6-88

1/2887
22-6-88.

No. 155 W dated 8th June 1888

EXAMINER
No. 7110
9 JUN 1883
ENCLOSURES
P. W. ACCOUNTS.

From

THE SUPERINTENDING ENGINEER,
V CIRCLE.

EXAMINER
No.
7 JUL 1883
ENCLOSURES
P. W. ACCOUNTS.

To

THE

P.W. Sec 3
1409/88
1515/88

Dated
Recd. } 188

ENCLOSURES.

Forwarded to the Secretary to Government P.W.D. with a request that this office may be informed whether an appropriation of funds will be sanctioned in the current year under Provincial Tools and Plant to meet the amount of the Indent.

The Accounts

Major R.E.
Examiner of P.W. Accounts
Madras

No.

8/7 1888

Encs: One 29.
1886.

22

1/127 Roads
23.6.88

P. W. Dept.
To be returned with reply

22.6.88

No. 2322 C d/22 June 1888

Referred back to the Supdg. Engr V circle for favour of information whether the Genl. Supdt. P.W. Stores has reason to believe that steam rollers are now manufactured with stone breakers attached.

(By order)

W.C. Baddeley
Capt R.E.
Dy. Chief Engineer P.W.D.

1 Encl 2

PWC No. 5886

From.

Major C.A.P. Christie R.E.
Examiner of P.W. Accounts
Madras.

EXAMINER
No. 1317
7 JUL 1888
ENCLOSURES
P.W. ACCOUNTS

To.

The Secretary to Government
Public Works Departt.

R 19.6.88

Encs: One

No. 1551 dated 18th June 1888.

Special Indent for a steam road roller in triplicate.

Forwards letter No. 993 dated 8th June/88 from the Superintending Engineer 5th Circle regarding a —

1397

Referred

4

SUPERINTENDING ENGINEER'S OFFICE,
V Circle, Madras,
Chepauk, 30 June 1888.

No. 1397

23
22(1)2242

From Coll H.A.N. Vibart R.E.
SUPERINTENDING ENGINEER, V CIRCLE,

To THE Chief Engineer
P.W. Department.

SIR,

Enclosures.

In returning your endorsement No. 2322 C dated 22nd June 1888, I have the honor to state that the General Superintendent P.W. Stores reports as follows.

"I have some recollection of seeing whilst in England some years ago a steam roller employed for driving a stone breaker. I cannot find any estimate for the combined steam roller and stone breaker in our official catalogue which I may here remark is very incomplete

"incomplete. I do not suppose
"there will be any difficulty
"in procuring a Stone break-
"ing machine that can be
"attached to any description
"of Engine or Steam Roller
"by the most ordinary gearing."

I have the honor to be
Sir
Your Most Obed.t Servt.

Murfreesboro' Tenn.
Aug.t 6th 1866.

Lieut. Col. R.C.
Superint.g Engineer
Nashville.

2nd
2641/2242

Nashville Aug.t 8th 1866
Respectfully forwarded
Lieut. Col. Merrill
Superintending Engineer
Nashville

Aug.t 8th 1866

No. 2322 C 1/22-6-88
" 1257 W. 27-4-88

1888.

P. W. DEPARTMENT

Current Nos. 5865 & 6459

From

The Supdg. Engineer
V circle.

ENCLOS.—

No. 1397
Dated 30th June 1888
Received 3rd July 1888

SUBJECT.

Submitting the report of the General Supdt. P. W. Store on the steam road roller with stone breaker Continued.

DISPOSAL.

No. 2541 C Dated 5th July 1888.

To
C

Please attach the requisite certificate.
The cost will be met from the grant to the Vilgiri division under Tools & Plant (3d) W. L. C. B. 4-7-88
Asst

96

2322C. 22.6.88
B. No 12577 27.6.88

No. 2541 C d/5 July 1888

To

C

Please attach the requisite certificate The Coal will be met from the grant to the Nilgiri division under Tools & Plant.

4.7.88
D.W.

No. 1881/97 13.7.88
Encl 5

To

W.

5

Returned with the necessary certificate

13/7

C.

13/7.
13.
13/7.

From

THE SUPERINTENDING ENGINEER,

V Circle,

To

(3)

THE Chief Engineer
P.W. Department

EXAMINER
No. 1372
7 JUL 1888
ENCLOSURES
P. W. ACCOUNTS.

Dated 30
Recd. 2 } June 1888.

ENCLOSURES. 4 + 2 + 6

No. 1397.

Combined Steam Roller and Stone breaker.

Forwards the Report of General Superintendent P.W. Stores & Workshops on the —

The Indent can be sent on as framed.
4.7.88

To

Encl
Recd

T No 22410.

22/22441/2244

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 25th July 1888.

READ the following

From the S.E. V Circle A.E. No 993 dated 8th June/88
the Examiner P.W.A. No 1550 dated 18th June/88
Memo to the S.E. V Circle A.E. No 23220 dated 22nd June/88.
From the S.E. V Circle A.E. No 1397 dated 30th June/88
the Examiner P.W.A. No No 1851 dated 13th July/88.

Ordered that the indent be forwarded to the Home Government for compliance

S.E. IV Circle
" V Circle
Examiner P.W.A.

A.E. No 2202 W dated 23.7.88

To
The Director General of Stores
India office
London.

Sir

I am directed to forward for favor of compliance, an indent for a steam roller, ~~from~~ Combined if possible with a Stone breaker, for use on the Coonoor Ghaut in

in this Presidency, ~~combined if possible with a steam bracket~~.

2. A certificate from the Examiner P.W. accounts showing that the requisite funds have been provided, will be found printed with the Proceedings of Government herewith forwarded.

I have &c.

(3)

Jth
H.E. No 2242 W dated 23rd July 1888

Copy of the above, with copy of the enclosure, forwarded to the Govt of India for information.

For no 2242 W

Indent

Forwarding copy of letter
of the Director General of
Stores with copy of an —
for a steam roller combined
if possible with a stone-
-breaker for use on the
Conoor Ghat in the Madras
Presidency

Indent

Forwarding an — for a steam
roller combined if possible
with a stone-breaker for
use on the Conoor Ghat in
the Madras Presidency.

Govt. of [1888] Madras.

PUBLIC WORKS.

Read. Dated.

G.O. 23rd July 1888, No. 2241/2242 W

Indent 22424/4

Ordered that the — for a
steam roller combined if
possible with a stone-breaker
for use on the Conoor Ghat
in the Madras Presy
be forwarded to the Govt
of India for compliance.

For the Indent

Forwarding for compliance
on — for a steam roller
combined if possible with
a stone-breaker for use on
the Conoor Ghat in the
Madras Presidency.

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