Public Works (1899) Departme..

G.O., No. 2527 } W
2528 }

DATED 28 September 1899.

[Despatch Abstract.]

Famine tools - Ordered that the Dir-
-General be addressed to furnish information
as to the prices and rates of delivery
of crowbars of a certain description
required for Famine Relief works

=

~~Addressed~~
The Director General of Stores
addressed on the subject

T
E

[P. W. 2 / 9,000—29-2-99.] T.C. 25.9.99 28/9. 12 A.M. W.N.C. Indexed. 29/9

BACK PAPERS.

G.O. No.	Department.	Date.	G.O. No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

P.W. DEPARTMENT.

READ the following:—

Letter from the Director-General of Stores, India Office, No. [illegible] dated 28th July

Letter from — to — No. S. 8721 dated 2nd August

Letter from the General Superintendent, P.W. stores, No. 4 C.E. dated 7th September

Circulated to

ORDER. No: 2527 W 28.9.

Ordered that the letter be addressed to the Director of Stores, India Office.

H. T. No 2528 W dated 28.9.

To

The Director-General of Stores,
India Office,
London.

I am directed to acknowledge with thanks the receipt of the information supplied with your letter No. S. 8721, dated 2nd August 1899, in regard to Farming tools.

2. As regards the pattern of crowbars, I am to say that the crowbar required is a plain one of mild steel, 4 feet long, 1 inch diameter, chisel-pointed at one end;

T H
B Gn

25/11/99

[P. W. 42-A. 1,000—2-3-99.]

no

No.

…red at cleansing and coating
…n directed to request that
…o good as to supply the requisite
crowbars of this description, viz, prices
delivery for a demand of 82 000

I have &c &c

W. 20. 7. 11

Public Works (1897) Departm… nt.

CURRENT No. 7…

From The Director Genera… of Stor…

Order

No. 8721

Dated 28-7-97

Received at Fort St George and 228

Registered at Madras 25-8

Enclosures {Plan of the} to last

Spare copies.

SUBJECT.

In forwarding that full details as to cost & rate of delivery of Axe breaking hammers will be forwarded by next week's mail

Papers returned 25-8-97

D 47

AW

Pl. Please send with papers 2716

OC. 1. 443

No. PAPERS.

Date.
8/99
7/6/99
25/5/99
13/9/97
25/3/97

FURTHER PAPERS

No.	Date.

I. requested that in any further communication on this subject the under-mentioned letter and numbe[r] may be quoted, and the reply addressed to—

The Director-General of Stores,
India Office,
Whitehall,
London, S.W.

S. 8721.

India Office,
Whitehall,
London, S.

28th July 1899.

Sir,

With reference to your letter No. 1480 W. dated 7th June 1899, I have the honour to inform you that the necessary enquiries as to the cost and rates of delivery of stone-breaking hammers and crowbars have been somewhat delayed owing to the pressure of business in the trades concerned, but that full details will be forwarded to you by next week's mail.

I have the honour to be, Sir,

Your obedient Servant,

L Grant Burls

Director General of Stores.

The Secretary to the Government of Madras,
Public Works Department.

Y 3161. 3 rms—9/98. I. 1598.

Public Works (1899) Departme[nt.]

CURRENT No. 6[70]

From The Director General of Stores India Offi

Order

No. S. 8721

Dated 2-8-99

Received 23 8 99

Registered

Enclosures Plans-nil Statt - 4 4

Spare copies.

SUBJECT.

Crowbars and Stone-break[er] hammers: — Forwarding a detailed statement of prices and rates of delive[ry] of crowbars with copies of the specification and drawing.

K PAPERS.

	Date.

FURTHER PAPERS.

No.	Date.

Crow Bars

		Rate	Rate cwt	Total cost	Delivery.
				£ s. d	
Firm	82,000		15/-	4962. 1. 0	complete in 9 to 10 months monthly instalments of about 10,000. Quicker delivery if they had whole order.
Sheffield	Sample received satisfactory with exception of weight which is 16 lbs, instead of 14½ lbs, & slight modification of class.				
A & F Parkes	82,000	2/ea	15/5	8200. 0. 0	5000, 21 days after receipt of order, & 5000 per week afterwards
	Sample rec^d with slight modification of class Satisfactory				
Hunt	82,000 (1)	2/2	16/4 24/29	8883. 6. 8	1500 to 2000 per week commencing 3 to 4 weeks after receipt of order.
		2/8	20/4 5/29	10,933. 6. 8	
	1 Samples rec^d Satisfactory				
	2. " " This conforms to our usual spec^n and as expected is much more expensive.				

Sample satisfactory

Firm	Hammers Stone 96,000	Rate	Rate per cwt	Total costs	Delivery.
(2) W. Hurst	2 lbs	/5½ ea	23/2	933. 6. 8	1200 per week or probably 2000, or even more.
	2½ "	/6½ "	24/4	866. 13. 4	
	3 "	/7½ "	23/4	1000. 0. 0	
			£	2800. 0. 0	Sample received satisfactory
(4) W. Edwards	2 lbs	/6	28/.	800. 0. 0	Good deliveries only promised (Whatever that may mean.
	2½ "	/7	26/1⅔	933 6. 8	
	3 "	/8½	26/5⅓	1133 .6. 8	
			£	2866. 13. 4	Sample satisfactory.
(5) Jonas & Colver	2 lbs	}	27/.	741. 8. 7	2000 per week first delivery in 14 days from date of contract.
	2½ .			964. 5. 9	
	3 "			1154. 2. 10	
			£	2892. 17. 2	Sample rec.d satisfactory
(6) Ash & Parkes	32000 2 lbs	/6½ ea	30/4	866. 13. 4	1000. 21 days after receipt of order & 1000 per week afterwards.
	2½.	/7½.	28/.	1000. 0. 0	
	3.	/8½.	26/5⅓	1133. 6. 8	
			£	3000. 0. 0	Sample rec.d satisfactory
(4) Josh Evans & Son	32000 2 lbs	/7 ea	32/8	933. 6. 8	3200 in 6 weeks
	2½	/8½.	31/8⅘	1133. 6. 8	
	3.	/10 "	31/1.	1333. 6. 8	
			£	3400. 0. 0	Sample rec.d satisfactory
(8) Gilpin	2 lbs	/8	37/4	1066. 13. 4	5000 first month & 7500 per month afterwards or at extra charge of 1d each 7500 first month & 10,000 per month afterwards
	2½ .	/9½	34/8	1266. 13. 4	
	3 "	/10½	32/8	1400. 0. 0	
			£	3433. 6. 8	Sample satisfactory

Firm	Hammers stone 96000	Rate	Rate per ton wt	Total cost	Delivery
(4)					
Whitehouse	2 lbs	/10	46/8	1333. 6. 8	2000 per week
	2½ "	/0	44/9⅔	1600. 0. 0	commencing 8 weeks
	3 "	/2	43/6⅔	1866. 13. 4	from receipt of order
			£	4800. 0. 0	Sample rec^d satisfactory
Gregory & Bramall	2 lbs 2½ " 3.	/5¼ lb	49/-	1400. 0. 0 1750. 0. 0 2100. 0. 0	360 per week.
			£	5250. 0. 0	
X	32000 2 lbs	/10 ea	46/8	1333. 6. 8	1000 per week
E. A. W Lucas	2½	/.	44/9⅔	1600. 0. 0	
	3.	/1½	42/.	1800. 0. 0	Sample Satisfactory
			£	4733. 6. 8	

Specification of Crow Bars

(Specification on which prices are based)

The Crow Bars are to be made of a good quality tough mild Steel. One end of each is to be chisel pointed and the other end clawed

A sample crow bar it is proposed to supply is to be sent to the India Store Depôt, Iron Drawing at the time of tendering, accompanied by enclosed form 153.

The weight of the bars must not exceed 14 ½ lbs each

Notice in writing is to be given to the Superintendent India Store Depôt, when the bars or instalment of them are ready for examination

After approval the bars are to be cleaned from rust and dirt, and coated with boiled linseed oil; when dry they are to be made up into bundles not exceeding 1½ Cwts. and secured with $\frac{5}{16}$ inch round steel put on hot, the ends twisted and hammered down flat; each bar is to have the mark specified in the schedule stamped on it.

The address as given in the schedule, and such shipping marks as may be required by the Superintendent, India Store Depôt, are to be stencilled on each bundle, in white paint ground in oil, both ends of each bar to be painted the colour specified in the schedule for a length of 6 inches Contractor to provide Stencil plates. The address and description of marking, with colour, to be clearly specified in the packing accounts (Form 214). The bands of paint and address must be perfectly dry before the bars are shipped; particular attention is directed to this

D. O. No. _____ Draw

As usually supplied

Specification of Crow and Pinching Bars.

1. The bars are to be of best workmanship; they are to taper, and are to be of the dimensions given in annexed Drawing (No. 1892); one end of each is to be chisel-pointed *unless otherwise specified in the Schedule*. The claws of the crowbars are to be suited for drawing dog spikes.

2. The bars are to be made of a good quality of tough mild steel. A sample of the steel 12 inches long is to be sent to the India Store Depôt at the time of tendering. The Superintendent is to be advised of its despatch on Form 153 enclosed, which is to be sent direct to the Depôt, marked "Iron Branch."

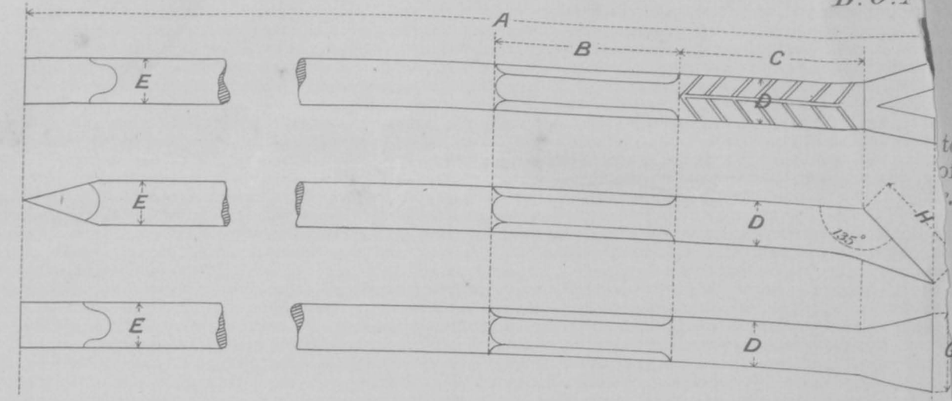
3. Notice in writing is to be given to the Superintendent, India Store Depôt, when the steel is ready for examination at the Contractor's works in Great Britain, and again when the bars are ready for examination.

4. After approval, the bars are to be cleansed from rust and dirt and coated with boiled linseed oil; when dry they are to be made up into bundles not exceeding $1\frac{1}{2}$ cwts., and secured with $\frac{5}{16}$ in. round steel put on hot, the ends twisted and hammered down flat; each bar is to have the mark *specified in the Schedule* stamped on it.

5. The address, *as given in the Schedule*, and such shipping marks as may be required by the Superintendent, India Store Depôt, are to be stencilled on each bundle in white paint ground in oil; both ends of each bar to be painted the colour *specified in the Schedule* for a length of 6 inches. Contractor to provide stencil plates. The address and description of marking, with colour, to be clearly specified in the Packing Accounts (Form 214). The bands of paint and address must be perfectly dry before the bars are shipped; particular attention is directed to this.

669. I. 1492. 250.—9/98.

Sketches of Crow & Pinching Bars.



Dimensions of Crow & Pinching Bars.

Item	*A*	*B*	*C*	*D*	*E*	*F*	*G*	*H*	*Weight of each*
	Ft. Ins 7 . 0	*Inches* 12	*Inches* 12	*Inches* 2	*Inches* 1¼	*Inches* 3¼	*Inches* 2⅜	*Inches* 3¾	*Lbs.* 61
	6 . 0	12	12	1½	1⅛	3¼	2	3¼	33
	5 . 6	12	12	1½	1⅛	3⅛	2	3¼	31
	5 . 0	10	10	1½	1⅛	3⅛	2	3¼	27
	4 . 6	8	8	1½	1⅛	3	2	3¼	23
	4 . 0	8	8	1⅜	1	3	1⅞	3⅛	18
	3 . 6	7	7	1¼	1	2¼	1¾	2¾	13
	3 . 0	5	5	1⅛	⅞	2⅛	1½	2¼	9
	* 2 . 10	4½	4½	1⅛	¾	—	1¼	1⅞	7
	2 . 6	5	5	1⅛	⅞	2	1½	2¼	8

* *Infantry Pioneers Pinching Bar, with spike instead of chisel end.*

January, 1897.

No

179

It is requested that in any further communication on this subject the under-mentioned letter and number may be quoted, and the reply addressed to—

The Director-General of Stores,
India Office,
Whitehall,
London, S.W.

S.8721

India Office,
Whitehall,
London,

2nd August 1899

Sir,

Cir 7002 (Withdrawn)

With reference to my letter dated 28th July 1899, I have the honour to enclose a detailed statement of prices and rates of delivery quoted by firms who have submitted satisfactory samples of crowbars and stone-breaking hammers.

In the event of a receipt of an emergent demand enquiries would not be limited to the firms whose prices &c are given in the list, and quicker deliveries would be obtained by dividing the order between several firms.

I am in some uncertainty as to the description of crow bar required. If made from plain round steel of the dimensions given, viz: 4' x 1" diam. the weight would be about 10½ lbs. only instead of 14 to 15 lbs. I enclose a copy of the specification on which the prices are based, and also copies of the specification and drawing of the crowbar usually supplied. The latter is, it is thought, of a more expensive make than would be necessary for the purpose

The Secretary to the Government
of Madras,
Public Works Department.

Y 3572. 5 rms.—12/98. I. 2247.

8524/1883/97

purpose in view. It is desirable that the pattern to be supplied should be settled before the emergency arises.

I have the honour to be, Sir,

Your obedient Servant,

L Grant Smith

Director General of Stores.

No

Director General of Stores.

Purpose in view. It is desirable that the matter

supplied should be settled before the emergency

I have the honour to be, Sir,

Your obedient Servant,

Read the following :—

Letter from Director - General of Stores, India Office,

— & — & _____ dated 28 7

Circulated to ~~Circulated to~~ No S. 8721

FOR ORDERS of P. W.

Flag VI

In letter No 14 [illegible] dated 7th June 1899, the Director-General of Stores was asked to report at what [illegible] and in what time after receipt of the orders, he could supply 96 000 sledge hammers and 82 000 crowbars. The [illegible] quoted above contain the requisite information.

2. It will be seen that the price of the crowbars ranges from £ 7.962 to 10.0 and that they can be delivered by one firm at the rate of 5000, 21 days after receipt of order, and 5 000 per week afterwards. Thus the whole order could be complied with ~~in~~ or ~~and~~ 18 or 19 weeks. The Director General points out that the weight of a crowbar of the dimensions given 4' × 1" diameter, would not amount to 14 to 15 lbs as supposed, but would only be 10½ lbs if made of plain round steel. He says it is desirable that the pattern to

[P. W. 43.
1,000—28-2-19.]

No.

...ld be settled before

...hammers the price
...00 to 4.733, ⅓ of the
...2 lbs, ⅓ of 2½ lbs and
...ey could be made at the
...ning the first month the
and 10.000 per month afterwards
...t order could be complied with
months.

The cost of manufacturing 96.000
...lly is as follows:- 2½ lbs weight -

- Chilled Cast iron hammers -	Rate 1 anna per lb	Total amount Rs 15.000 -	vide para 30 of Colonel Campbell's note dy 5.7.97 (Flag XIII)	
Wrought iron hammers -	2¼ annas per lb	- Rs 33.750 -	vide para 29 of the above note.	
...ras Railway ...ship Perambur	Stone breaking hammers -	Rs 35/per 100	- Rs 33.600 -	vide para 1 of Colonel Campbell's note dy 7.7.97 (Flag XIII).
...y + Co -	Steel - hammers -	Rs 800 per 1000 for 2½ lbs	- Rs 76.800.	vide para 4 of the Hon'ble Mr Winterbotham's note dy 5-7-97 (Flag XIV).
...R Arjan + Co ...Chimpoly	Steel - picot hammers.	5½ annas per lb -	- Rs 82.500.	vide para 3 of note by the Chief Engineer, P.W.D. dy 9-8-97 (Flag XV).

...hile the price of 96.000 stone breaking hammers,
...procured from England, amounts to about Rs 70.000
...the quickest delivery).

+ Rs 39000 for cheapest tender

The cost of manufacturing crowbars
...lly is not known.

4 Sep 99

Ask the Supdt C W Works
What is
(1) weight of (a) wrt iron (b) melt steel
(2) cost Crowbar 4'×1" Iron, pointed at
...one end, and how many
...can supply per month

No. 10 Supdt.

Government of Madras.

DEPARTM...

Madras, 5th Septr 189...

OFFICE NOTE.

From E.W

To The Genl Supdt
P.W. Workshops

Please state wh
is (1) the weight an
(2) the cost of a wrought
iron / Steel crowbar 4'×1" di...
meter, pointed at on...
end, and how many you
can supply per month
for use on Famine Relief
works.

(Sd) W B Jervis
CE.

Wrks
5/9

[P. W. 48.
500—1-2-98.]

Plo. C.N. 74

Presidency P. W. S[illegible]t.

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORE[illegible]

To

The Chief Engineer
Public Works
[illegible]

No. 4 B E.

Dated 7th
Despatched 7th September 1899.
Received

No. OF ENCLOSURES.

Subject.

Tools required for Jamnia Pathri work.

Reports of the weight and price of wrought iron and mild steel crow bars

New
B-655 OLS 490
N25/9

U/H.C 1899.
C1 CH 13

PRESIDENCY PUBLIC WORKS

No. 466. Madras, 7th September

From

THE GENERAL SUPERINTENDENT,

PUBLIC WORKS STORES,

Madras,

To

THE Chief Engineer

Public Works Department

Madras

SIR,

? 10808/ Enclosure.

In reply to your Office Note No. dated 5th September 1899, I have the hon to inform you as follows:-

X (1) Weight of 4' crowbar 1" diameter 10 11 lbs nearly

(2) Cost of such a crowbar whether of wrought iron or mild steel would be about Re 0-

We have about 5000 crowbars most of them of the above dimensions on famine stock. These could be issued at any time for famine work and could all be despatched if necessary in one day.

Being famine tools they would be issued for famine work without Charge Except for Cost of Carriage.

We have sufficient mild steel in stock to make about 800 crowbars and the Cost would

about Rs 0–14–0 Each as noted
they could be made in a day
days at most.
have Rs1 "round wrought iron in stock.
present the market rates for mild
and iron are so very variable that
impossible to give a sufficiently
mate estimate for Crow bars
factured from materials locally
ased. It must in any Case be a
deal higher than the rate and might
from Rs1 for ordinary wrought iron
Rs 1–8–0 for mild steel equal to ours.
If material is to hand we can turn
out Crowbars at the rate of about 500
a day without materially interfering
with other work. As a matter of urgency
we could turn out three times that amount
but it would mean stopping all ordinary
Smiths' work

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

H. Moss
General Supdt,
P. W. Stores, Madras.

Rec'd
7.9.99.

C. No 7421

Statem[illegible] ing [illegible]

the rate of outturn, of [illegible] nglish

No. of Crowbars required (1)	Cost of crowbars		Outturn		
	Local (2) Rs	English (3) Rs	Local (4)	English (5)	
82.000	71.750	θ 1.38.900 for the quickest delivery	(a) Without interfering with other w in the shops. 500 a day (ii) whole order in 5½ months; (b) On emergency by stopping all ordinary work 1500 a day (ii) whole order in less than 2 months provided material is to hand	5000, 21 days of order and 5000 per week afterwards. (ii) whole order in 18 or 19 weeks (less than 5 months)	θ in usua for fr

W

Submitted for orders.
R.S.
15 Sep 99

P.K.S
15/9/99

Inform Dir Genl of Stores that 15 Sep 99
the Crowbar cptl is a plain one of Mild
Steel 4' long, "Dia. chisel pointed
at one end; no claw cptl or cleaning
& coating into oil. Ask him to supply the
information cptl in this respect
[illegible] 15/9