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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	1292	Press.
B.P. No.		Mis.
Dated	12.8.1878	197

Not to be folded or roughly handled

1292
1

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

12th August 1878, No. 1,292.

Read the following paper :—

No. 167. Proceedings of the Board of Revenue, dated 11th July 1878, No. 1,925.

Read the following letter from W. R. ROBERTSON, Esq., M.R.A.C., Superintendent, Government Farms, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Sydapet, 19th June 1878, No. 563 :—

I HAVE the honor to submit the following report with reference to Board's Proceedings, No. 3,519, dated the 27th July 1877. From the statement printed with G.O., No. 692, of the 7th of May last, I learn that the Swedish ploughs of different varieties cost, including all expenses, in Madras as below :—

No. of Ploughs.	Original Cost.	Amount to be added to pay Freight and other Charges, being 35-63 per cent. on the original Cost.	TOTAL COST IN MADRAS.		
			In English Money.	In Madras Money at 1s. 9d. per Rupee.	
	s. d.	s. d.	s. d.	RS.	A. P.
1 ...	46 5	16 6	62 11	35	15 3
2 ...	41 11	14 11	56 10	32	7 7
3 ...	38 9	13 10	52 7	30	0 9
9 ...	35 4	12 7	47 11	27	6 1
12 ...	61 11	22 1	84 0	48	0 0
16 ...	55 3	19 8	74 11	42	12 11
27 ...	44 2	15 9	59 11	34	3 9
29 ...	27 7	9 10	37 5	21	6 1
30 ...	48 7	17 4	65 11	37	10 8
34 ...	35 4	12 7	47 11	27	6 1
37 ...	50 8	18 1	68 9	39	4 7
38 ...	48 3	17 2	65 5	37	6 1
39 ...	44 2	15 9	59 11	34	3 9
40 ...	40 9	14 6	55 3	31	9 2

2. From the above statement it will be observed that Plough No. 29, which, when fitted with a wheel, stood second at the trial, the report of which is printed in the Proceedings of the Board, No. 3,519, of the 27th of July last, is by far the cheapest of the ploughs, its cost in Madras being only Rupees 21-6-1. This plough is an efficient implement when provided with a wheel, and is well adapted for the medium and light soils which prevail to such a large extent in this Presidency. The cost of fitting this plough with a wheel would be here about Rupees 1-8-0, but the wheel could probably be supplied at a much less cost in Sweden. When in full work the plough turns over a very broad furrow; it would however, I think, be well to have the mould-board contracted slightly so as to throw a furrow slice not wider than nine inches. This would diminish the draught from 15 to 20 per cent.; of course the outturn of work in a day would be diminished by such an alteration, but the draught would be brought more within the power of good average plough-cattle. The weight

of the plough with a wheel is only 82lbs. The plough has only one stilt but two handles. The plough is made of wrought iron excepting the mould-board, which is steel.

3. There is, I regret, no probability at present of it being possible to get made in Madras a plough of the kind of equal quality at the cost at which the plough was supplied from Sweden. -I forwarded one of the ploughs to the General Superintendent of the Public Works Workshops, and requested him to be good enough to favor me with an estimate for making one such plough. The following is a copy of the estimate received:—

Particulars of Works.	Quantity.	Rate.	Per.	Amount.	Total.
Steel blade and knife (mould-board and share).	8	RS. A. P.		RS. A. P.	RS. A. P.
„ Wastage	2				
	10	0 6 9	lb.	4 3 6	
Iron of sizes for plough	60				
„ Wastage	10				
	70	0 1 3	„	5 7 6	
Fuel at Rs. 0-0-4 per lb. of iron or steel ...	...	...	...	1 10 8	
Smith's labor	10	0 0			
Centage	5	0 0			
Filer's labor	10	0 0		15 0 0	
Centage	5	0 0			
Contingencies at 5 per cent.	...	...	...	15 0 0	
Total Estimate	...	...	...	2 2 4	43 8 0

4. I had the plough copied in the workshops attached to the Sydapet Farm. The following shows the cost incurred:—

Blacksmith's labor ten days, at 9 Annas 4 Pies per day...	5 13 4
Do. cooly, ten days, at 2 Annas 8 Pies per day...	1 10 8
Filer, 3½ days, at 6 Annas per day...	1 5 0
Carpenter, ½ a day, at 12 Annas per day	0 6 0
102½ lbs. of Staffordshire iron at Rupees 0-1-5 per lb ...	8 13 6
3 cwt. of coal consumed at Rupees 30-5-7 per ton ...	4 8 10
Paint and painting	0 12 0
Superintendence, wear and tear of tools, &c., &c., at 15 per cent.	3 8 0
Total	26 13 4

This plough was constructed entirely of wrought iron; had a steel mould-board been provided as is the case with the Swedish plough, the additional cost would have been Rupees 1-14-0, bringing the total to Rupees 28-11-4. Though the plough made is a good useful implement, its intrinsic value is certainly 2 Rupees less than that of the plough received from Sweden, due to the superiority of the workmanship and iron of the latter.

5. It will be seen from what I have stated that the Swedish plough in question cannot be made up here at anything like the price at which the plough can be delivered here from Sweden, even though the expense for sending out the ploughs is considerable.

6. If a number of the ploughs were to be made at one time in our workshops, and if the iron was procured in England instead of in this country, and we could adopt a more economical arrangement as regards the use of fuel (which in a larger undertaking would be possible), we might effect a saving in the construction of the ploughs, but under the most favorable circumstances this saving would not be likely to amount to a sum equal to the difference between the cost of the Swedish plough here, and the cost we incurred in making a copy of that plough.

7. Under these circumstances, I would recommend that, if this particular plough is approved of for introduction into this country by Government, it should be procured from Sweden in preference to being made up here. A few dozens of the ploughs with spare wearing parts might, I think, with great advantage, be imported for distribution in the various Collectorates after our work is more intimately connected with the districts, and we have some organization by the aid of which we can ensure that the ploughs are being properly utilized (*vide* the proposals printed in the Proceedings of the Board, No. 5,223, of the 13th of December 1877).

8. There is, I think, no possibility of any English firm being able to supply an iron plough of the kind at a less price. The lowest priced iron plough made by Messrs. Ransomes and Sims is their R. H. A. Pony or Mule plough, the price of which is with a wheel and steel mould-board £2-15 which, with 25 per cent. to meet freight and transport charges, would be £3-8-9 here, or, taking the Rupee at 1s. 9d. would be Rupees 39-4-7 against Rupees 23 the cost of the Swedish plough.

9. I send for the Board's inspection the Swedish plough referred to, and the copy of it that was made in our workshops.

SUBMITTED for the information of Government in continuation of Board's Proceedings, dated 27th July 1877, No. 3,519.

2. The Board approve the proposals made in paragraph 7 of Mr. Robertson's letter.

(A true Copy and Extract.)

(Signed) J. STURROCK,
Acting Sub-Secretary.

No. 168.

ORDER THEREON, 12th August 1878, No. 1,292.

Miscellaneous.

RECORDED.

2. The importation of a further supply of Swedish ploughs can be considered when occasion arises.

3. Copy of these Proceedings will be communicated to the Government of India in continuation of the letter noted in the margin.

27th August 1877, No. 397.

(True Extract.)

(Signed) C. G. MASTER,
Secretary to Government.

To the Board of Revenue.

Exd. F. R. Bantleman.

Plough of the Swedish pattern—bearing with it mark—presented to the Board of Revenue, and submitted report from the Superintendent of the Government Farms regarding its cost, it being a— in Madras, and ordering a copy of these Proceedings to be communicated to the Government of India.

ACQUITT.
Nos. 167-168.

G.O. 12th August 1878, No. 1298

Dated August 12th.

Printed 1878.

Recd.

For.

To THE BOARD OF REVENUE.

REVENUE.

Cost of 1878 3000000

Original

No. 1,925.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 11th July 1878.

Read the following letter from W. R. ROBERTSON, Esq., M.R.A.C., Superintendent, Government Farms, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Sydapet, 19th June 1878, No. 563:—

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„ Wastage	10				
	70	0 1 3	„	5 7 6	
Fuel at Rs. 0-0-4 per lb. of iron or steel ...				1 10 8	
Smith's labor	10	0 0			
Centage	5	0 0			
				15 0 0	
Filer's labor	10	0 0			
Centage	5	0 0			
				15 0 0	
Contingencies at 5 per cent.				2 2 4	
Total Estimate					43 8 0

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2. The Board approve the proposals made in paragraph 7 of Mr. Robertson's letter.

(A true Copy and Extract.)

Acting Sub-Secretary.

To the Secretary to Government, Revenue Department,
with two Ploughs to be returned. - *The ploughs will be*
Copy to the Superintendent, Government Farms. *retained in the Secy's office*
unless called for.

Ed. W. H. French.

Q 7-5-78 KST 118-19
14-22-1-78 - 221-22

[illegible]

8651 70

Revenue Deptt
No 3391.
1878.
Board of Revenue,
MADRAS.

PROCEEDINGS, 11TH JULY 1878, No. 1,925.

Copy: 23/11/78

Enck.

Received of J. L. L. 1/18

Oct 1892 = 12' August 1892

JULY.
No. 1,925.

Plough of the Swedish pattern.—Submitting to Government report from Superintendent of Government Farms regarding the cost of making a — in Madras, and approving the Superintendent's proposal that if the plough is approved for introduction into this country, it should be procured from Sweden.

Cult. Order