

No. 254. Read the following letter from Major R. H. BEDDOME, Inspector of Forests, to the Hon. R. A. DALYELL, Acting Secretary to Government, Revenue Department, dated Ootacamund, 9th October 1873, No. 1,934 :—

I HAVE the honour to forward the Railway Fuel Plantation Report of the Cuddapah, Bellary, and North Arcot Districts, for the quarter ending 30th June 1873.

2. The report on all the railway fuel reserves throughout the Presidency up to the 30th September 1873 will be submitted shortly.

QUARTERLY Report of the Railway Fuel Plantations in the Cuddapah, Bellary, and North Arcot Districts, from April to June 1873.

*Proceedings of the Madras Government, Revenue Department,
25th October 1873.*

*Proceedings of the Madras Government, Revenue Department,
25th October 1873.*

Proceedings of the Madras Government, Revenue Department,
25th October 1873.

Plantations.	Acreage.	Name of	EXPENDITURE.				Total.	Receipts.	Number of Trees planted out and that replaced.	Number of Casualties red in the Quarter.	Number of Trees permanently established.	Expenditure from Commencement.
			Planting Charges, including Fencing and Channelling.	Fencing.	Permanent.	Hired.						
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.				RS. A. P.
IX. Railway Fuel Plantation.	About 150	Casuarina equestifolia				394 8 6	394 8 6					444 8 6
X. Railway Fuel Plantation.	129-98	It is planted with Casuarina, Albizzia Lebbeck, Acacia Arabica, Albugium Lamarckii.				373 13 6	373 13 6			3,000	78,000	2,797 13 6
XI. Railway Fuel Plantation.	44-67	Planted with Casuarina equestifolia.				108 7 0	168 7 0				44,000	1,354 5 10
XII. Railway Fuel Plantation.	About 30	Casuarina equestifolia.				50 15 8	50 15 8				5,000	50 15 8
XIII. Railway Fuel Plantation.	About 80	Casuarina equestifolia.				32 3 0	32 3 0					32 3 0

OOTACAMUND,
9th October 1873.

(Signed) R. H. BEDDOME, Major,
Inspector of Forests.

Proceedings of the Madras Government, Revenue Department,
25th October 1873.

REMARKS BY THE OFFICERS IN CHARGE.

I. *Ooperapully*.—During the quarter 150 chains of brushwood was cleared around plants put out in pits from the nursery and 414 chains along the channelling, 3 bags red sander seeds collected, 60 nursery beds weeded and cleared, 2,377 plants weeded and cleared around in pits, 20,700 young plants watered, and the general keeping-up of the nursery by watering daily. 1,527 casualties are reported in the following species:—545 Albizzia Lebbeck, 630 Melia Azadirachta, 220 Acacia Arabica, 12 Muthy, 60 Casuarina equestifolia, and 60 Cassia florida.

II. *Reddipully*.—On this plantation 13,610 plants were weeded around and cleared, 7,000 plants watered, 6 chains along the channelling repaired and tapped with aloe, 5 acres of land cleared of brushwood for ploughing-up to sow the Acacia Arabica seed broad-cast, 40 measures each of the Albizzia Lebbeck and Tamarindus Indica seeds collected, and nursery kept up by watering. 1,450 casualties occurred as follows:—100 Casuarina equestifolia, 50 Cassia florida, 430 Acacia Arabica, and 870 Albizzia Lebbeck.

III. *Pullumpett*.—120 measures Albizzia Lebbeck seeds collected, 15,000 plants watered, 315 chains channelling cleared of brushwood, 2 x 1 chain land cleared of overgrowth of vegetable matter to give room for ploughing to sow Acacia Arabica seed broad-cast, and the general up-keep of the nursery by watering. 1,065 casualties occurred during the quarter—Cassia florida 18, Casuarina equestifolia 20, Albizzia Lebbeck 500, Melia Azadirachta 300, and Acacia Arabica 227.

IV. *Camalapur*.—4,000 plants cleared and weeded around, 2 wells cleared, spaded, and deepened, 54 nursery beds prepared and sown with the Albizzia Lebbeck seed, 400 measures Acacia Arabica seed collected; all the younger plants more or less watered and the nursery kept up by daily watering.

General Remarks.—There was only one small drizzling shower of rain in the month of April when it was much needed, though it was not quite general; some plantations got the fall while others did not: but where it fell good was done. In the month of May no rain came whatever; all the plants were looking parched. In June, during the early part of which the heat was most excessive, and, during this period, most portion of the casualties occurred, and, I fear, I would have had to furnish an unsatisfactory report on them ere long, but fortunately a couple of small showers came to the rescue, and relieved me of this anxiety, doing good in its way, but not quite sufficient to entirely put a stop to the plants dying away. The younger plants felt the adverse state of the weather the most, though we tried to help as many as we could by watering; but the working establishment proves to be too small for the large number of plants on each plantation, and the procuring of water a matter of great difficulty; among the younger plants alone the casualties are to be numbered. There seem to be every indication of rain at no distant period. High winds are raging, so much so, that some of the trees which have attained some height have snapped; but they are not to be considered as wholly lost. The general appearance and health of plants are good after these recent showers, and with some more rain they are expected to quite recover from the unhealthy hue they have assumed during these trying hot months. The weather is softening down to cool days, and we may guess that rain must have fallen around the district.

The up-keep of the nursery was carefully attended to throughout the quarter by constant watering, to enable us in the proper season to plant out from, and re-place the casualties.

The general appearance and health of plants are fair, when we come to consider the difficulties attendant and the season at the present time.

The three months of this quarter are among those of the non-planting period; hence no such work was conducted.

V. *Ghooty*.—During the quarter for which this has reference to, 157 nursery beds were prepared and sown with seeds of the following kinds, viz, 40 Albizzia Lebbeck, 84 Melia Azadirachta, 18 Cananga Odorata, 13 Cassia florida, and 2 Dalbergia latifolia, 106 measures

*Proceedings of the Madras Government, Revenue Department,
25th October 1873.*

Acacia Arabica and 400 Palmyrah seeds collected, 27,300 plants watered, 3,550 plants weeded around and cleared of brushwood. 4,030 casualties occurred in the Melia Azadirachta. In April there was only one small shower of rain when most was needed. In May none at all. In this month the plants looked very bad from want of moisture caused by the excessive heat. In the month of June there were a couple of unimportant down-pours, which tended to revive the younger plants a good deal. Much rain is needed to re-establish the health of the whole of the plants. There are indications of rain at an early date. The Palmyra-seeds collected will be put down in season, and the Melia Azadirachta sown in channels and planted out from the nursery, while the Acacia Arabica will be sown broad-cast after ploughing, and in channels that have failed to germinate.

These three months of the quarter are non-planting months; hence little work was undertaken. Of the Rupees 94-8-0, shown in Column 6, Rs. 10-8-0 is included, being the moiety of a peon's salary at Rs. 7 per mensem chargeable to Camalapoor and Ghooty plantations, and the remainder Rs. 84 comprises the salary of a head-gardener at Rs. 10, and three under-gardeners at Rs. 6 each per mensem.

The older plants on the plantation seem to be weathering it out pretty fairly; and, on the whole, the plantation seems to be improving, considering the weather and soil.

VI. *Trivellum*.—About 4,000 trees died, some of them 30 feet high, from the want of moisture, the hot dry wind, and from being obliged to reduce the establishment in consequence of want of funds. Several thousands still alive are in a very sickly state, and will die if rain does not fall shortly.

VII. *Veringepoorum*.—All the plants are very young, and this weather is very bad for them. The cause of so many dying is as above.

VIII. *Thengal*.—A small plantation and in fair order, but sadly requires rain.

IX. *Keelminnel*.—Of this sum, Rs. 130-7-6 paid for ground, Rs. 118-7-0 for tools; the ground is all fenced, aloe planted, 9 wells dug and three nurseries formed, but no plants put out.

X. *Cheynoor*.—About 3,000 plants lost; but this plantation at present looks better than any of the above.

XI. *Gazerlamundum*.—This plantation has not suffered much, the plants have not grown much but they are healthy; water is near the surface here, which accounts for the plants being in good order.

XII. *Vanerudu*.—Getting it into pretty fair order; but much has to be replanted, as it was much neglected while under the Thasildar.

XIII. *Ammoondy*.—Nothing has been done on this plantation, except marking it out and placing boundary stones round it.

OOTACAMUND,
9th October 1873.

(Signed) R. H. BEDDOME, Major,
Inspector of Forests.

No. 255 ORDER THEREON, 25th October 1873, No. 1,177.

Forests No. 12.

FROM these reports, it appears that the permanently established trees in the several plantations have cost from about 4 pie and half an anna each in the Casuarina plantations at Thengal, Veringepuram, and Gazerlamundam, to about 5 annas and 8 annas per tree in the plantations at Reddipully and Pullempett. The causes of this increased cost should be carefully analysed and explained, and a column should be inserted after the acreage,

*Proceedings of the Madras Government, Revenue Department,
25th October 1873.*

showing the date at which operations were commenced at each plantation. The reports should hereafter be incorporated with the general quarterly report on Railway Fuel Reserves.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Inspector of Forests.
„ the Board of Revenue.

Erd. F. R. Bantleman.



No. 1934.

From

Office of Inspector of Forests.
Coatacamund 9th October 1873.

Major R. H. Beddome
Inspector of Forests.

To,

The Honorable R. A. Dalrymple.
Secy to Government,
R. D.

Sir,

I have the honor to
forward the Railway Fuel
plantation Report of the
Cuddapah, Bellary and
North Arcot Districts, for the
quarter ending 30th June

1873. -

2.-

The report on all the
Railway

Railway Fuel Reserves through-
-out the presidency up to the
30th September 1873. will be sub-
-mitted shortly:-

I have the honor to be,
Sir,
Your Most Obedt. Servt.

Per W. H. Major
Inspector of Forests.

Quarterly Report of the Railway Fuel Plantations in the Cuddapah, Bellary,
and North Arcot Districts from April to June 1873.

Plantations	Name of	Expenditure					Receipts	Number of trees planted on the Cavalry as placed.	Number of Cavalries that occurred in the quarter.	Number of trees permanently established.	Expenditure from Commencement.
		Planting Charges in- cluding putting lines channelling.	Fencing	Establishment		Total.					
				Permanent	Hard						
Sahyanadully	1. Railway Fuel plantation = lion, containing the follow- = ing species.										
	1. Albizzia Lebbek										
	2. Cassia florida										
	3. Melia Azadirachta										
	4. Acacia Arabica										
	5. Acacia amara										
	6. Pentapetala glabra										
	7. Persicarpus santalinus	119, 1.0.0.			39, 0.0.0.	158, 1.0.0.		1527	46,089	6109, 4.0.7.	
	8. Inga Saman										
	9. Pittcolobium dulce										
	10. Adenanthera pavonina										
	11. Chloroxylon Swietenia										
	12. Santalum album										
	13. Pandra										
	14. Pectona grandis										
	15. Alangium decapitatum										
	16. Theoprasia propulnia.										

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Plantations	Name of.	Expenditure.				Receipts.	Number of trees planted on the plantation	Number of trees in the quarter	Number of trees = mainly established	Expenditure from commencement	
		Planting charges in clearing pitting and channelling.	Fencing	Permanent	Aired.						Total.
Neddiwully	II. Railway Fuel plantation containing the undermentioned species.										
	1. Albizzia Lebbeek										
	2. Acacia Arabica										
	3. Cassia florida										
	4. Pentaptera glabra										
	5. Tandra										
	6. Acacia amara										
	7. Poinciana regia	122.15.0			39.0.0	161.15.0		1450	30636	10821.13.5	
	8. Cananga odorata										
	9. Tamarindus Indica										
	10. Melia Azadirachta										
	11. Inga Saman										
	12. Pithecolobium dulce										
	13. Casuarina equisetifolia										
	14. Cassia fistula										
	15. Eugenia jambolana										
	16. Tectona grandis										
17. Mangium decapitatum											
Kamalakore - Sullampatti	III. Railway Fuel plantation containing the following species.										
	1. Albizzia Lebbeek										
	2. Melia Azadirachta	120.12.0			39.0.0	159.12.0		1065	10514	5886.13.6	
	3. Pentaptera glabra										
	4. Casuarina equisetifolia										
	5. Cassia florida										
	6. Ficus glomerata 8 1/2										
	IV. Railway Fuel plantation containing the species below specified.										
	1. Albizzia Lebbeek										
	2. Casuarina equisetifolia										
	3. Cassia florida	70.8.0			94.8.0	165.0.0			67463	7809.6.6	
	4. Acacia Arabica										
	5. Pithecolobium dulce										
	6. Melia Azadirachta										
	7. Inga Saman										
	8. Acacia Amara										
	Ghosty	V. Railway Fuel plantation with the different species below given.									
1. Acacia Arabica											
2. Melia Azadirachta											
3. Albizzia Lebbeek		47.0.0			94.8.0	141.8.0		4030	45720	8650.15.0	
4. Acacia Amara											
5. Casuarina equisetifolia											
6. Inga Saman											
7. Tamarindus Indica											
8. Cassia florida											

Plantations	Name of	Expenditure				Receipts	Number of trees planted out and casualties misplaced	Number of casualties that occurred in the quarter -	Number of trees permanently retained -	Expenditure from commencement
		Planting charges in - clearing pits - tying and channelling.	Fencing	Permanent	Hired	Total.				
Spinnellum situated about 8 miles each of Villare station at the junction of the River & Palor rivers about a mile from the Railway -	VI. Railway Fuel plantations - = tin. Chiefly Casuarina & = = questifolia, but containing also a few Casia of different species.	---	---	---	313. 11. 6.	313. 11. 6.	---	4000	132,498.	947. 6. 0.
Vining & honey situated about a mile south of the Railway station of that name in the old bed of the Palor river -	VII. Railway Fuel plantations - = tin. Casuarina questifolia	---	---	---	477. 6. 0.	477. 6. 0.	---	6000	185,247.	5,228. 5. 0.
Shung al situated about 14 miles south of the River of the Railway bridge and of point to the Spinnellum plantation -	VIII. Railway Fuel plantations - Casuarina questifolia	---	---	---	30. 10. 0.	30. 10. 0.	---	---	3000	65. 8. 0.

Rehmanul situated about 14 miles south of the River of the Railway bridge and of point to the Spinnellum plantation -	IX. Railway Fuel plantations - = tin. Casuarina questifolia	---	---	---	394. 8. 6.	394. 8. 6.	---	---	---	444. 8. 6.
Chermon situated close to the Railway station 2 miles West of Villare station -	X. Railway Fuel plantations - It is planted with Casuarina, Albizzia Lebbeck, Acacia Arabica & Alangium Samarkii	---	---	---	373. 13. 6.	373. 13. 6.	---	3000	78000	2,797. 13. 6.
Gazerlamun situated close to the Railway station 2 miles South of the Spinnellum station -	XI. Railway Fuel plantations - Planted with Casuarina questifolia	---	---	---	168. 7. 0.	168. 7. 0.	---	---	44000	1,354. 5. 10.
Vaneredu, situated North of the Palor river near Wallojak & about four & a half mile from break station -	XII. Railway Fuel plantations - Casuarina questifolia	---	---	---	50. 15. 8.	50. 15. 8.	---	---	5000	50. 15. 8.

Tamarindus Indica seeds collected and nursery kept up by watering. 1450 casualties occurred as follows. 100 *Casuarina rquestifolia*. 50 *Cassia florida*. 430 *Acacia Arabica* and 870 *Albizia Lebbeck*.

Pullumpett. - 120 measures *Albizia Lebbeck* seeds collected. 15,000 plants watered; 315 chains channelling cleared of brushwood 2x1 chain land cleared of overgrowth of vegetable matter to give room for ploughing, to sow *Acacia Arabica* seed broadcast and the general up-keep of the nursery by watering. 1065 casualties occurred during the quarter, *Cassia florida* 18. *Casuarina rquestifolia* 20. *Albizia Lebbeck* 500. *Melia Azadirachta* 300 and *Acacia Arabica* 227.

Camalapur. - 4,000 plants cleared and weeded around. - 2 wells cleared, spaded and deepened. - 52 nursery beds prepared and sown with the *Albizia Lebbeck* seed. 4,000 measures *Acacia Arabica* seed collected.

all

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all the younger plants more or less watered and the nursery kept up by daily watering.

General Remarks. - There was only one small drizzling shower of rain in the month of April when it was much needed, though it was not quite general; Some plantations got the fall while others did not: but where it fell good was done. In the month of May no rain came whatever, all the plants were looking parched. In June during the early part of which, the heat was most excessive, and during this period, most portion of the casualties occurred, and I fear I would have had to furnish an unsatisfactory report on them ere long: but fortunately a couple of small showers, come to the rescue and relieved me of this anxiety doing good in its way; but not quite sufficient to entirely put a stop to the plants dying away. The younger plants

plants felt the adverse state of the weather the most though we tried for help as many as we could by watering; but the working Establishment proves to be too small for the large number of plants on each plantation, and the procuring of water a matter of great difficulty, among the younger plants alone the casualties are to be numbered. There seem to be every indications of rain at no distant period. - High winds are raging, so much so, that, some of the trees, which, have attained some height have snapped; but they are not to be considered as wholly lost. The general appearance and health of plants are good after these recent showers, and with some more rain they are expected to quite recover from the unhealthy line they

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they have assumed during these trying hot months. - The weather is softening down to cool days and we may guess that rain must have fallen around the district. -

The up-keep of the nursery was carefully attended to throughout the quarter by constant watering, to enable us in the proper season to plant out from, and to replace the casualties. -

The general appearance and health of plants are fair, when we come to consider the difficulties attendant and the season at the present time. -

The 3 months of this quarter are among those of the non-planting period - hence no such work was conducted. -

V Ghooty. - During the quarter for which this has reference to 157 nursery beds were prepared and sown with seeds of the following kinds

23, B
kinds - viz. 40 Albizzia Lebbeck - 84 Melia
Azadirachta - 18. Cananga Odorata - 13.
Cassia florida and 2 Dalbergia latifolia.
106 measures Acacia Arabica & 4000 Palmira
seeds collected. - 27,300 plants watered. - 3,550 plants
weeded around and cleared of brushwood. - 4030
casualties occurred in the Melia Azadirachta.
In April there was only one small shower of
rain when most was needed. In May none
at all, in this month the plants looked
very bad from want of moisture caused
by the excessive heat. In the month of
June there were a couple of unimportant
down pours, which tended to revive the
younger plants a good deal. - Much rain
is needed to re-establish the health of the
whole of the plants. - There are indications
of rain at an early date. - The Palmira
seeds collected will be put down in season,
and the Melia Azadirachta sown in
channels

channels and planted out from the nursery,
while the Acacia Arabica will be sown
broad-cast after ploughing, and in
channels, that have failed to germinate.

These three months of the quarter are
non-planting months hence little work
was undertaken. - Of the Rupees 94.8.0.,
shown in column 6, Rupees 10.8.0. is included,
being the moiety of a Peon's salary at Re. 5,
7/2 p. mensem. chargeable to Camalaspore &
Ghoochy plantations and the remainder
Rupees 84.0.0. comprises the salary of
a Head Gardener at Re. 10/ and 3 under
gardeners at Re. 6/ each per mensem. -

The older plants on the plantation
seem to be weathering it out pretty fairly
and on the whole the plantation seems
to be improving considering the weather
and soil. -

VI. Trivellum. - About 4,000 trees died, some
of

of them 30 feet high from the want of moisture, the hot dry wind, and from being obliged to reduce the Establishment in consequence of want of funds. Several thousands still alive are in a very sickly state and will die if rain does not fall shortly.-

VII. - Veringpoorum. - All the plants are very young and this weather is very bad for them. - The cause of so many dying is as above. -

VIII. - Shengal. - A small plantation and in fair order, but sadly requires rain. -

IX. - Keelminnel. - Of this sum, Rs. 130-7-6. paid for ground. Rs. 118-7-0. for tools, the ground is all fenced, aloe planted, 9 wells dug and 3 nurseries formed but no plants put out. -

X. - Chaynoor. - About 3000 plants lost, but this plantation at present looks better than

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than any of the above. -

XI. - Gazrolamundum. - This plantation has not suffered much, the plants have not grown much but they are healthy, water is near the surface here which accounts for the plants being in good order. -

XII. - Vanrruda. - Getting it into pretty fair order, but much has to be replanted as it was much neglected while under the Thasildar. -

XIII. - Ammonoody. - Nothing has been done on this plantation except marking it out and placing boundary stones round it. -

Office of Inspector of Forests.
Coatacamund 9th October 1873.

H. W. Addome Major
Inspector of Forests.



Enclosure

In a letter No 1934 379 1/2

Oct 73 from the Secretary of the
to the 2^d Secretary to the R. R.

No. 3194/73.

No 25 October 73.

to 1177
to 25/55

Office of the Secretary of the
Department of the Interior

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