

**GOVERNMENT OF KERALA**

**Abstract**

Forest Department – Formation upkeep and maintenance of coffee plantation – Data approved – orders issued-

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**FOREST & WILD LIFE (E) DEPARTMENT**

G.O. (Rt). No.236/88/F&WLD.

Dated, Trivandrum, 7.6.1988.

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Read :- Letters No. P1-50747/79 dated 19.11.1986 and 22.9.1987 from the Chief Conservator of Forests (Development) Trivandrum.

**ORDER**

The Chief Conservator of Forests in his letter read above have reported that the rates for coffee plantation operations have not been included in the forest Schedule of Rates. He has forwarded to Government a schedule of operations in connection with the up keep and maintenance of coffee plantation in Kozhikode special division. He has pointed out that all the operations included and the quantum of labour provided for in the data forwarded by him are absolutely necessary for proper execution of the works. He has also reported that the estimate for formation and maintenance of coffee plantation in Kozhikode special division are being sanctioned by the Conservator of Vested Forests, Kozhikode, on the basis of the schedule, in anticipation of Government approval. He has further clarified that the estimate rates now sanctioned by the Conservator of Vested Forests, Kozhikode are based on the coffee Board Rates, Forest schedule of Rates public works Department schedule of Rates and Government orders prevailing in force wherever applicable. The Chief Conservator of Forests has therefore requested Government to approve the data submitted by him. He has also requested to ratify the action of the Conservator of Vested Forests in having sanctioned the estimates on the basis of the data, in anticipation of Government approval.

2. Government after examining the matter in detail are pleased to approve all the operations in connection with the formation, upkeep and maintenance of the coffee plantations in Special Division Kozhikode, included in the Data appended to this order. Government also satisfy the action of the Conservator of Vested Forests in having sanctioned the estimate in terms of the data for formation and maintenance of coffee plantation in Kozhikode special Division, in anticipation of Government approval.

(By order of the Governor)

R.LALITHAMMA

Under Secretary to Government.

To

The Chief Conservator of Forests.

**ANNEXURE -I**

A SHEET/Estimate requirement of New Clearing of Robusta Coffee for 1<sup>st</sup> year Plantation.

Description of work	Period of execution	Labour required	SRItem	Unit	Remarks
1.Slash felling in Ordinary	<u>APRIL</u> MAY	24.710 man maz	107(b)	Hect.	No separate sch.rate need be sanctioned
2.Heaping burning where elephant is not available.	“	29.652	110(a)	“	2 for staking cross Ways and
3.Collection of 2’ bamboos stakes @ 4 stakes per plant (2) for staking cross-ways to prevent shake during wind and 2 for making shade baskets.	<u>JULY</u> AUG. OCT NOV.	2 maz	87	1000 Nos.	2 for making shade baskets.
4.Transport of stakes .... beyond 2 furlongs.		.2 maz.	87(a)	-do-	-do-
5. Aligning and staking at an espacement of 3m x 3m	<u>JUNE</u> JULY	6.177	88(a)	Ha.	-do-
6. Digging pits in ordinary soil of diamention of 45 cm x45cm x45 cm after rain.	JULY	4.864	Govt.NotificationIII(m)	100pits.	do
7.Digging pits in bouldary soil -do	JULY	6.025	“©	-do-	-do-

8. Covering planting pits of diameter of 45 cm and digging planting holes.	AUG.	2.4	“(U)	-DO-	-do-
9. collection of dadap stakes of 2.5 metre long including transport up to the lead of 5 Km. and 20% increase for every 100 metres.	<u>MAY</u> JUNE	0.50	-	-do-	-do-
10. Planting dadap		0.25	-	Each 100 trees.	No separate sch.
11. Branch cutting of shade trees.	4 skilled man Maz.	132(a)			rate need be sanctioned
12. Transport of basketted plants of head load from nursery to planting site up to 2’ furlong.	AUG.	2Maz	88(f)	100 plants	-do-
13. -do- 2 to 4 furlong.	AUG.	2 Maz.	88(g)		-do- -do-
14. Distribution of seedlings up to a lead of 50 metres and 20% increase for every 50 metres.	AUG.	0.12	Govt. Notfn.III(t)	-do-	-do-
15. Distribution of coconut cadjan leaves for making shade baskets.	JAN FEB	0.12	Govt. Notfn III(t)		100 Nos.
16. Dressing dadap where shade trees are available.	JULY AUG.	2 Maz.			500 Nos.

17. Dressing dadap in plantations in clear felled areas where dadap have been planted in quiquex.	-do-	10 maz		Hect.
18. Planting Coffee seedlings in pits staking crops-ways to prevent shake during wind and mulching with jungle leaves including collection of mulching materials.	-do-	1 "		37 seed lings
19. Dismantling termite mound and destroying queen white ants.	SEPT	2''		Each
20. Addl. Weeding when Necessary	-do-	4.94''	94(b)	Hect. No separate sch.ratebesanctioned
21. Cover digging in entire area 10'' depth stumps of weeds.	<u>OCT</u> NOV	85 Maz.		-do-
22. Application of manure @ 25 gms. Per plant.		2 Maz.		100 Plants.
23. Hutting coffee seedlings for making shade with cadjan leaves @ 2 leaves per plant.		12''		Hect.
24. Lime washing dadap stem	<u>NOV</u>	3 Maz.		100 Nos.
25 Scuffling 3'' to 4'' depth in entire area	DEC JAN.	25''		Hect.
26. Mammatty weeding in entire area.	JAN.	29.652	92 Hect.	No separate sch. Rate need Be sanctioned.

27. Soil working 3' diameter	<u>FEB</u>	10	117	1000	
around the plants	MARCH				Plants.
28. Making of shade baskets	<u>JAN</u>	1Maz.	100	basketted	
with cadjan leaves fixing 2	FEB			seedlings.	
stakes on either side of baskets					
29. Hot weather treatment	<u>FEB</u>	50			
and mulching including	MARCH	Man.Maz.			Hect.
collection of mulching materials.					
30. Plantation watchers from	AUG. to	1 Maz.			25IIa. or
August towards to scare	MARCH				part thereof
away cattle etc.					

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DATA SHEET/ESTIMATE REQUIREMENT OF LABOUR OF NEW CLEARING OF ROBUSTA COFFEE FOR 2<sup>ND</sup> YEAR MAINTENANCE.

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Description of work.	Period of Execution	SR item	Labour required	Unit	Remark
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1.Removing huts, weeding & mulching including collection of mulching materials.	<u>APRIL</u> MAY		49.42Maz.	Hect.	
2.Staking of Coffee plants cross ways manner to prevent shake during wind including collection of stakes.	<u>MAY</u> JUNE		25	“	-do-
(a) Application of manure @ 50 gm per plant forming small trenches around plants, remulching after application of manure (pre-monsoon)	-do-		37	“	-do-

3.Collection of dadap stakes including cost of transport charges for replacement of casualties.		Data as furnished for the 1 <sup>st</sup> year maintenance is necessary.		
4.Planting dadap stakes.	<u>MAY</u> JUNE	-do-		
5.Distribution of dadap stakes up to a lead of 500 metres.		2 Man Maz.		Hect.
6.Dressing dadap stakes where shade trees are available.	JULY	2”		500Nos.
7.Dressing dadap in coffee plantation raised in clear felled area where dadap have been planted in quinquex.	JULY	10 “		Hect.
8.Slash weeding clear knife weeding clear of all weeds.	JULY	25 “		Hect.
9.Transport of basketted seedlings by headload from nursery site to planting site 2 to 4 furlong.	AUG.	88(g) 1 Maz.		100 plants.
9(a) -do- up to 2 furlong		88(f)1 Maz.		
10.Distribution of basketted seedlings in Polythene bags up to a lead of 50 metre and 20% increase for every 50 metre.		Govt. Notification III(t) 0.12 Maz.		100 Nos.
11.Digging pits of diamension of 45cmx45cm in ordinary soil after rain.		-do-(m) 4.894 “		100PITS.
12.Replacement of casualties in pits.	AUG	1 Maz.		37 seedlings.

13. Destaking of Coffee plants retaining the healthy shoots.	SEPT.		10 Maz.	Hect.
14. First soil working 3 “ diameter around plants.	JULY	117	10 “	1000 No separate Plants rate sch need be sanctioned
15. Application of fertilizer with factamphose @ 50 gm. Per plant forming small trenches around the plants and remulching after the application of manure (two times) (post monsoon)	<u>SEPT.</u> OCT.		37 “	Hect.
16. Weeding in knife weeding clear of all weeds.	SEPT		25”	Hect.
17. Second soil working 3’ diameter around the plants.	SEPT.	117	10 “	1000 No separate to Plants Sch.rate need be sanctioned
18. Cover digging 10” depth in entire area.	<u>OCT</u> NOV.		85 “	Hect.
19. Application of agricultural lime in entire area @ 2.5 MT per Hect. At Pambra.			15 “	Hect. At pambra
20. Mulching including collection of mulching materials	<u>NOV</u> DEC.		37 “	Hect.
21. Sickle weeding.	<u>DEC.</u> JAN		25 “	Hect.
22. Hutting	<u>NOV</u> DEC		12 “	Hect.
23. Lime washing of dadap	NOV		3 “	1000 Nos.
24. Dismantling termite mound	As & when		2 “	mound

destroying queen white ants by required.  
using mixture.

25. Provision for plantation watcher. APRIL to 1 “ 25 Hect. Or part  
MARCH there of

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DATA SHEET AND SCHEDULE OF RATES OF COFFEE PLANTATION WORKS OF 3<sup>RD</sup> YEAR PLANTATION.

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Description of work.	Period of Execution	Sch rate	Labour	Unit	Remarks
1.Premonsoon fertilizer application @ 100 gm. Per plant.	MAY/JUNE	Approved by Senior Liaison officer		20 ManMaz.	Hect
2.Weeding and mulching including collecting of mulching materials andremoving fairy catter pillars and dead branches etc.	MAY/JUNE	-do-.		61 Maz	Hect
3. Collection of dadap stakes of 2.5 metre long including transporting to a lead of 5 Km. and 20 % increase for every 100 metres.	<u>MAY</u> JUNE	-do-.		0.50	each data furnished for the 2 <sup>nd</sup> year maintenance
4. Planting dadap In cross-bar holes to provide shade for coffee plants.	<u>MAY</u> JUNE	-do-.		0.25	-do-.
5. Dressing dadap (dadap loping) where shade trees are available	<u>JULY</u> AUG.	-do-.		2 Man	500 Nos. Maz.
6.Dressing dadap (dadap loping) in coffee plantations raised in clear felled are where dadap have	<u>JULY</u> AUG.	-do-.	10 ’	Hect.	Data for 1 & 2 <sup>nd</sup> yr. maintenance



been planted in quinquex.

7. weeding clear knife weeding clear of all weeds.	JULY	-do-. 25	“Hect.	-do-.
8. Supply and planting coffee seedlings including casualty replacement.	AUG.	-do-. 24 ”	-do-.	-do-.for IVth yr.
9. Soil stirring around the coffee plants.	AUG.	-do-. 37 “	-do-.	-do-.
10. weeding clear knife weeding clear of all weeds.	SEPT.	-do-. 25 “	-do-.	-do-.
11. Handling centering and desuckering	-do-.	-do-. 24 “	-do-.	-do-.
12. Topping coffee seedlings as and when necessary.		-do-. 10 ’	-do-.	-do-.
13. Post monsoon 16:20 and forming small trenches around plants and remulching.	SEPT	-do-. 37 “	-do-.	Data as furnished for IVth year maintenance
14. Agricultural lime to be applied in entire area @ 2.47 MT per hect. At Pambra and 3.71 MT per hect. At Cheeyamban coffee Plantations.	SEPT.	Quotation	Data as furnished by S.L.O Coffee Board.	
15. Spreading (liming) agricultural lime in entire area.	SEPT.	Coffee]15.5M.Maz. Board ]25.5	Hect PambraCheeyambam	
16. Cover digging 10 “ depth in entire area including	OCT NOV	Plantn] guide ] 85	2 Hect	

removal of small stumps of reeds.

17. Lime washing of dadap stakes. NOV. -do- 3M. Maz. 1000 dadap stem

18. Weeding and mulching including collection of mulching materials. DEC JAN. 37 “

19. Hot weather treatment and soil working 3’ diameter around plants. FEB MARCH 40 “ Hect

20. Debudding the young coffee plants. MARCH 12 “ Hect

21. Annual maintenance of Inspection paths 8’ wide. 52 3.415 “ km sch.rate need No separate Be sanctioned

22. Fertiliser to be applied around plants @ 200 gms per plant during April & Oct. APRIL Coffee Board 37 “ Hect

23. Provision for plantation watchers. Whole Year coffee board 1 M. Maz. 25 Ha. Or part thereof.

24. Other unforeseen items prescribed by the SLO LS Advice of S.L.O. Coffee Board from time.

\* Data as furnished for 2<sup>nd</sup> year maintenance of Plantation.

\* Data as furnished for the 1<sup>st</sup> year maintenance is necessary.

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DATA SHEET AND SCHEDULE OF RATES OF IVTH YEAR MAINTENANCE OF COFFEE PLANTATIONS.

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Description of work.	Period of Execution	Sch rate	Labour	Unit	Remarks
1.Premonsoon fertilizer application @ 200 gm. Per plant.	APRIL MAY	Approved by coffee board .	20 man	Hect	Data as furnished for the 3 <sup>rd</sup> yr. mtce.
2.Weeding and mulching including collecting of mulching materials	MAY JUNE	-do-	30 “		
3. Collection of dadaps to provide shade including transport of charges up to the lead of 5 km 20 increase for every 100 metres.	JULY	-do-	0.50paise each		Data as furnished for the 3 <sup>rd</sup> year maintenance
4. Planting dadap in crow-bar holes to provide shade for coffee plants.	JULY	-do-	0.25 “	-do-	
5. Dressing dadap (dadap loping) where shade trees are available	<u>JULY</u> AUG.		2 “	500dadaps Maz.	-do-
6.Dressing dadap in coffee plantations raised in clear felled areas where dadap have been planted in quinquex.	-do- <u>JULY</u> AUG.		10 “	Hect.	-do-
7. weeding clear knife weeding clear of all weeds.	-do-		20 “	Hect.	-do-.
8.Supply planting coffee seedlings including transporting charges casuality replacement.	-do-		24 “	Hect.	

9. Removing weeds around the plants and soil stirring around the plants 1" depth.		-do-	37	"		Hect.
10. Weeding.	SEPT.			25	"	-do-
11. Topping coffee seedlings as and when necessary.	SEPT.			10	"	Hect.
12. Handling, centering and de-suckering.		-do-		24	"	Hect.
13. Post monsoon fertilizer application @ 100 per plant with factamphose forming small trenches around the plant and remulching.	OCT.			37	"	Hect.
14. Lime washing dadap stem	NOV.	Coffeeboard	3 M.Maz.			1000 Nos.
15. Cover digging 10 " depth in entire area.	OCT	Plantn.				
	NOV	guide	85 M.Maz.			Hect.
16. Mulching including collection of mulching materials.	DEC	Coffee	25Man			
	JAN.	Board	Maz.			Hect.
17. Hot weather treatment and hutting with jungle twings wherever necessary.	FEB.	-do-	32	"		Hect.
18. Mammatty weeding in entire area and heaping weeded materials to find out coffee seeds fallen in the ground file harvesting.	MARCH	-do-	29.652	"		Hect.
19. De-budding the young coffee plants	FEB.	-do-	12 M. Man			Hect.
	MARCH					

- |   |            |        |   |   |                         |
|---|------------|--------|---|---|-------------------------|
| 20. Harvesting coffee   | FEB.       | -do-   | 1 | “ | 70 litre                |
| 21. Factamphos fertilizer to be applied twice @ 100 gms per plant during April/May and Oct. | APRIL      | Local  |   |   | Advice S.L.O.           |
|   | OCT.       | rate   |   |   | Coffee board.           |
| 22. Provision for Plantation watcher till functioning fencing.                              | Whole year | Coffee | 1 | “ | 25 Ha. Or part thereof. |
|   |            | Board  |   |   |                         |
| 23. Unforseen items prescribed. by S.L.O.   |            |        |   |   | L.S.                    |

DATA SHEETS AND SCHEDULE OF RATES OF COFFEE PLANTATION WORKS (MAINTENANCE) IN VTH YEAR UNDER  
KOZHIKODE SPECIAL DIVISION

Description of work.	Period of Execution	Forest Sch of rate	Labour required	Unit	Amount	Remark
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1. Application of manure twice during pre and post monsoon period		Approved by S.L.O. Coffee Board	44.48 Maz.		Hect.	
2. Weeding in entire area April May			24.71 “		-do-	
3. Shade regulation (permanent trees)		-do-	14.83 “		-do-	
4. Shade regulation (temporary shade trees) dadap lopping.		-do-	14.83 ”		-do-	
5. Handling centering and desuckering (handling & centering during April/June and desuckering during June-Cet)		-do-	37.06 “		-do-	
6. Weeding in entire area	JULY/AUG.	-do-	24.71 “		-do-	
7. Weeding	SEPT/OCT.	-do-	24.71 “		-do-	
8. Scraping before harvest	NOV/DEC.	-do-	24.71 “		-do-	
9. Harvesting	DEC/FEB.	-do-	24.71 “		-do-	
10. Curing charges.	-----	-do-	9.9 “		-do-	

Description of work.	Period of	Forest Sch	Labour
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Execution	of rate	required	Unit	Amount	Remark
11. Application of pesticides for 2 rounds.	Approved by S.L.O. Coffee Board	49.42 Maz.		Hect.	
12. cost of pesticide	L.S				
13. Provision for plantation watcher.		1 Maz.		25 Hect. Or part thereof	
14. Unforseen items of works prescribed by S.L.O. from time to time on his field inspection.	L.S				

True copy/

Sd/-

SECTION OFFICER