

## C. Timber Operations

### 1. Mechanical thinning

Sl.No	FSR Item No.	Labour data	Unit	Particulars
1	1	3.105 MM	Km	Clearing boundary line to a width of 1.5m to facilitate survey <sup>@</sup>
2	2	3.105 MM	Km	Surveying with prismatic compass <sup>@</sup>
3	PWD 784	Rs. 29.30	Per stone	Fixing boundary stones (PWD stones size 60x20x20cm) <sup>@ 1*</sup>
4	15	2MM	100 trees	Enumeration (blazing at breast height & pencil numbering) in selection felling coupes
5	101	9.884MM	Ha	First mechanical thinning in 2x2m plantation including preliminary clearing
6	74 (a)	0.017 Axe man	Pole	Conversion & classification of 5 <sup>th</sup> class teak poles
7	73 (a)	0.033 Axe man	Pole	Conversion & classification of 4 <sup>th</sup> class teak poles
8	74 (b)	0.075MM	Pole	Haulage of 5 <sup>th</sup> class teak poles up to 400m
9	73 (b)	0.15MM	pole	Haulage of 4 <sup>th</sup> class teak poles up to 400m
10	135 & GO (MS) No. 7/07/F&WLD	0.706HSMM	Cum	Loading poles in the lorry
11	GO (MS) No. 7/07/F&WLD		Cum	Transportation of poles
12	136 (a) & GO (MS) No. 7/07/F&WLD	0.353HSMM	Cum	Unloading poles
13	136 (b)	0.264MM	Cum	Stacking poles
14	PWD 652	Rs.48	10m <sup>2</sup>	Sectioning up to 150mm & forming surface of old road <sup>2A*</sup>
15	PWD 278 & circular No. 1/2004 of CCF	Rs. 411	Per m <sup>3</sup>	Rough stone dry package for chappaths, gutters & slushy portion of road <sup>2B*</sup>
16	115	9.884MM	Ha	Clearing light jungle growth for dumping site
17	GO (Rt) 614/79/AD 48	20+20=40MM	Km	(i) Clearing fire line to a width of 5.2m (ii) Fire tracing
18	63	10.763MM	10sq.m	Construction of temporary shed
19	NMR			Engaging protection mazdoor <sup>3*</sup>
20	LS			Contingencies

<sup>@</sup> This should be allowed only if the survey sketch does not exist.

**1\*** Temporary cairns are damaged usually within in a period of 6 months. This will result in difficulty in identification of boundary. PWD stones are of permanent nature, hence it is accepted. (For split stone of size 60x20x20cm @ Rs.500/m<sup>3</sup> -- 0.025 x 500 = Rs.12. 50 + 0.1MM for fixing the same @ Rs.168/E -- 0.1x 68 = Rs.16.80, (Total 12. 50 + 16. 80 = **Rs.29. 30**). This excludes the cost of transportation.

**2A & 2B\*** These 2 items should be allowed only if necessary.

**3\*** The number of mazdoor allowed should be limited depending upon the requirement.

## **2. 1<sup>st</sup> Silvicultural thinning**

<b>Sl.No</b>	<b>FSR Item No.</b>	<b>Labour data</b>	<b>Unit</b>	<b>Particulars</b>
1	1	3.105 MM	Km	Clearing boundary line to a width of 1.5m to facilitate survey <sup>@</sup>
2	2	3.105 MM	Km	Surveying with prismatic compass <sup>@</sup>
3	PWD 784	Rs. 29.30	Per stone	Fixing boundary stones (PWD stones size 60x20x20cm) <sup>@ 1*</sup>
4	13 (c)	2.5MM	100 trees	Marking at BH & at base including chisel numbering complete in clear felling plantations
5	103	7.413MM	Ha	First silvicultural thinning including clearing growth to facilitate marking
6	103	4.942 Axe man	Ha	First silvicultural thinning providing axe man
7	71 (a)	0.063 Axe man	Pole	Conversion & classification of teak poles II class
8	72 (a)	0.042 Axe man	Pole	Conversion & classification of teak poles III class
9	73 (a)	0.033 Axe man	Pole	Conversion & classification of teak poles IV class
10	74 (a)	0.017 Axe man	Pole	Conversion & classification of teak poles V class
11	14 9(c) & GO (MS) No. 7/07/F&WLD	0.3067SSMM	100 logs	Chisel numbering of 2 <sup>nd</sup> class teak poles <sup>2*</sup>
12	GO (MS) No. 7/07/F&WLD	Rs.135	M <sup>3</sup>	Dragging of 2 <sup>nd</sup> class poles by hired elephant
13	72 (b)	0.438MM	Pole	Haulage of III class teak poles up to 400m
14	73 (b)	0.15MM	Pole	Haulage of IV class teak poles up to 400m
15	74 (b)	0.075MM	Pole	Haulage of V class teak poles up to 400m
16	135 & GO (MS) No. 7/07/F&WLD	0.706HSMM	Cum	Loading poles in the lorry
17	GO (MS) No. 7/07/F&WLD		Cum	Transportation of poles
18	136 (a) & GO (MS) No. 7/07/F&WLD	0.353HSMM	Cum	Unloading poles
19	136 (b)	0.264MM	Cum	Stacking poles
20	PWD 652	Rs.48	10m <sup>2</sup>	Sectioning up to 150mm & forming surface of old road <sup>3A*</sup>
21	PWD 278 & circular No. 1/2004 of CCF	Rs. 357	Per m <sup>3</sup>	Rough stone dry packing for chappaths, gutters & slushy portion of road <sup>3B*</sup>

22	115	9.884MM	Ha	Clearing light jungle growth for dumping site
23	GO (Rt) 614/79/AD 48	20+20=40MM	Km	(i) Clearing fire line to a width of 5.2m (ii) Fire tracing
24	63	10.763MM	10sq.m	Construction of temporary shed
25	NMR			Engaging protection mazdoor <sup>4*</sup>
26	LS			Contingencies

@ This should be allowed only if the survey sketch does not exist

**1\*** Temporary cairns are damaged usually within in a period of 6 months. This will result in difficulty in identification of boundary. PWD stones are of permanent nature, hence it is accepted. (For split stone of size 60x20x20cm @ Rs.500/m<sup>3</sup> -- 0.025 x 500 = Rs.12. 50 + 0.1MM for fixing the same @ Rs.168/E -- 0.1x 68 = Rs.16.80, (Total 12. 50 + 16. 80 = **Rs.29. 30**). This excludes the cost of transportation.

**2\*** For chisel numbering no VDA is allowed as per Circular No. 40/79 (C1 - 61649/78 dt.15/06/1979) of the Chief Conservator of Forests.

**3A & 3B\*** These 2 items should be allowed only if necessary.

**4\*** The number of mazdoor allowed should be limited depending upon the requirement.

### 3. 2<sup>nd</sup> Silvicultural thinning

Sl.No	FSR Item No.	Labour data	Unit	Particulars
1	1	3.105 MM	Km	Clearing boundary line to a width of 1.5m to facilitate survey @
2	2	3.105 MM	Km	Surveying with prismatic compass @
3	PWD 784	Rs. 29.30	Per stone	Fixing boundary stones (PWD stones size 60x20x20cm) @ 1*
4	13 (c)	2.5MM	100 trees	Marking at BH & at base including chisel numbering complete in clear felling plantations
5	104	4.492MM	Ha	Second silvicultural thinning
6	104	3 Axe man	100 poles	Second silvicultural thinning providing axe man
7	14 (c) GO (RT) 1105/82	0.4585 Axe man	Cum	Conversion & classification of timber
8	70 (a)	0.083 Axe man	Pole	Conversion & classification of teak poles I class
9	71 (a)	0.063 Axe man	Pole	Conversion & classification of teak poles II class
10	72 (a)	0.042 Axe man	Pole	Conversion & classification of teak poles III class
11	73 (a)	0.033 Axe man	Pole	Conversion & classification of teak poles IV class
12	74 (a)	0.017 Axe man	Pole	Conversion & classification of teak poles V class
13	14 9(c) & GO (MS) No. 7/07/F&WLD	0.3067SSMM	100 logs	Chisel numbering of timber 1 <sup>st</sup> and 2 <sup>nd</sup> class teak poles 2*
14	GO (MS) No. 7/07/F&WLD	Rs.135	M <sup>3</sup>	Dragging of timber, 1 <sup>st</sup> & 2 <sup>nd</sup> poles by hired elephant
15	72 (b)	0.438MM	Pole	Haulage of III class teak poles up to 400m
16	73 (b)	0.15MM	Pole	Haulage of IV class teak poles up to 400m
17	74 (b)	0.075MM	Pole	Haulage of V class teak poles up to 400m
18	135 & GO (MS) No. 7/07/F&WLD	0.706HSMM	Cum	Loading timber & poles in the lorry
19	GO (MS) No. 7/07/F&WLD		Cum	Transportation of timber & poles in lorry to dumping/central depot
20	136 (a) & GO (MS) No. 7/07/F&WLD	0.353HSMM	Cum	Unloading timber & poles in dumping/central depot

21	136 (b)	0.264MM	Cum	Stacking poles in dumping depot
22	PWD 652	Rs.48	10m <sup>2</sup>	Sectioning up to 150 mm & forming surface of old road <sup>3A*</sup>
23	PWD 278 & circular No. 1/2004 of CCF	Rs. 357	Per m <sup>3</sup>	Rough stone dry packing for chappaths, gutters & slushy portion of road <sup>3B*</sup>
24	115	9.884MM	Ha	Clearing light jungle growth for dumping site
25	GO (Rt) 614/79/AD 48	20+20=40MM	Km	(i) Clearing fire line to a width of 5.2m (ii) Fire tracing
26	63	10.763MM	10sq.m	Construction of temporary shed
27	NMR			Engaging protection mazdoor <sup>4*</sup>
28	LS			Contingencies

@ This should be allowed only if the survey sketch does not exist

**1\*** Temporary cairns are damaged usually within in a period of 6 months. This will result in difficulty in identification of boundary. PWD stones are of permanent nature, hence it is accepted. (For split stone of size 60x20x20cm @ Rs.500/m<sup>3</sup> -- 0.025 x 500 = Rs.12. 50 + 0.1MM for fixing the same @ Rs.168/E -- 0.1x 68 = Rs.16.80, (Total 12. 50 + 16. 80 = **Rs.29. 30**). This excludes the cost of transportation.

**2\*** For chisel numbering no VDA is allowed as per Circular No. 40/79 (C1 - 61649/78 dt.15/06/1979) of the Chief Conservator of Forests.

**3A & 3B\*** These 2 items should be allowed only if necessary.

**4\*** The number of mazdoor allowed should be limited depending upon the requirement.

#### 4. 3<sup>rd</sup>, 4<sup>th</sup> & 5<sup>th</sup> Silvicultural thinning

Sl.No	FSR Item No.	Labour data	Unit	Particulars
1	1	3.105 MM	Km	Clearing boundary line to a width of 1.5m to facilitate survey @
2	2	3.105 MM	Km	Surveying with prismatic compass @
3	PWD 784	Rs. 29.30	Per stone	Fixing boundary stones (PWD stones size 60x20x20cm) @ 1*
4	13 (c)	2.5MM	100 trees	Marking at BH & at base including chisel numbering complete in clear felling plantations
5	105	4.942MM	Ha	3 <sup>rd</sup> /4 <sup>th</sup> /5 <sup>th</sup> silvicultural thinning
6	105	10 Axe man	100 trees	3 <sup>rd</sup> /4 <sup>th</sup> /5 <sup>th</sup> silvicultural thinning providing axe man
7	14 (c) GO (RT) 1105/82	0.4585 Axe man	Cum	Conversion & classification of timber
8	70 (a)	0.083 Axe man	Pole	Conversion & classification of teak poles I class
9	71 (a)	0.063 Axe man	Pole	Conversion & classification of teak poles II class
10	72 (a)	0.042 Axe man	Pole	Conversion & classification of teak poles III class
11	73 (a)	0.033 Axe man	Pole	Conversion & classification of teak poles IV class
12	74 (a)	0.017 Axe man	Pole	Conversion & classification of teak poles V class
13	14 9(c) & GO (MS) No. 7/07/F&WLD	0.3067SSMM	100 logs	Chisel numbering of timber, 1 <sup>st</sup> and 2 <sup>nd</sup> class teak poles 2*
14	GO (Rt) 2752/80 /AD dated 4/10/80 & 16(d)1 of FSR	0.111 Sawyer	Per cut	Cross cutting with saw below 125 cm in girth
15	GO (Rt) 2752/80 /AD dated 4/10/80 & 16(d)2 of FSR	0.166 Sawyer	Per cut	Cross cutting with saw 125 to 150 cm in girth
16	GO (MS) No. 7/07/F&WLD	Rs.135	M <sup>3</sup>	Dragging of timber, 1 <sup>st</sup> & 2 <sup>nd</sup> poles by hired elephant
17	72 (b)	0.438MM	Pole	Haulage of III class teak poles up to 400m
18	73 (b)	0.15MM	Pole	Haulage of IV class teak poles up to 400m
19	74 (b)	0.075MM	Pole	Haulage of V class teak poles up to 400m

20	135 & GO (MS) No. 7/07/F&WLD	0.706HSMM	Cum	Loading timber & poles in the lorry
21	GO (MS) No. 7/07/F&WLD		Cum	Transportation of timber & poles in lorry to dumping/central depot
22	136 (a) & GO (MS) No. 7/07/F&WLD	0.353HSMM	Cum	Unloading timber & poles in dumping/central depot
23	136 (b)	0.264MM	Cum	Stacking poles in dumping depot
24	PWD 652	Rs.48	10m <sup>2</sup>	Sectioning up to 150mm & forming surface of old road <sup>3A*</sup>
25	PWD 278 & circular No. 1/2004 of CCF	Rs. 357	Per m <sup>3</sup>	Rough stone dry packing for chappaths, gutters & slushy portion of road <sup>3B*</sup>
26	115	9.884MM	Ha	Clearing light jungle growth for dumping site
27	GO (Rt) 614/79/AD 48	20+20=40MM	Km	(i) Clearing fire line to a width of 5.2m (ii) Fire tracing
28	63	10.763MM	10sq.m	Construction of temporary shed (should be restricted to 10sq.m)
29	NMR			Engaging protection mazdoor <sup>4*</sup>
30	LS			Contingencies

@ This should be allowed only if the survey sketch does not exist

**1\*** Temporary cairns are damaged usually within in a period of 6 months. This will result in difficulty in identification of boundary. PWD stones are of permanent nature, hence it is accepted. (For split stone of size 60x20x20cm @ Rs.500/m<sup>3</sup> -- 0.025 x 500 = Rs.12. 50 + 0.1MM for fixing the same @ Rs.168/E -- 0.1x 68 = Rs.16.80, (Total 12. 50 + 16. 80 = **Rs.29. 30**). This excludes the cost of transportation.

**2\*** For chisel numbering no VDA is allowed as per Circular No. 40/79 (C1 - 61649/78 dt.15/06/1979) of the Chief Conservator of Forests.

**3A & 3B\*** These 2 items should be allowed only if necessary.

**4\*** The number of mazdoor allowed should be limited depending upon the requirement.

## **5. Final felling of teak plantation**

<b>Sl.No</b>	<b>FSR Item No.</b>	<b>Labour data</b>	<b>Unit</b>	<b>Particulars</b>
1	1	3.105 MM	Km	Clearing boundary line to a width of 1.5m to facilitate survey <sup>@</sup>
2	2	3.105 MM	Km	Surveying with prismatic compass <sup>@</sup>
3	PWD 784	Rs. 29.30	Per stone	Fixing boundary stones (PWD stones size 60x20x20cm) <sup>@ 1*</sup>
4	GO (Rt) 614/79/AD dated 5/3/79 48	20+20=40MM	Km	(i) Clearing fire line to a width of 5.2m (ii) Fire tracing
5	13 (c)	2.5MM	100 trees	Marking at BH & at base including chisel numbering, at complete in clear felling plantations
6	14 (a) i	1 Axe man	Cum	Felling, conversion, classification including dressing, drag holing wherever necessary for 1/2 Cum & below
7	14 (a) ii	0.5 Axe man	Cum	Felling, conversion, classification including dressing, including drag holding wherever necessary for above 1/2 Cum
8	14 (b) i	0.750 Axe man	Cum	Felling, conversion, classification including dressing, drag holing wherever necessary for softwood logs (1/2 Cum & below)
9	14 (b) ii	0.375 Axe man	Cum	Felling, conversion, classification including dressing, drag holing wherever necessary for softwood logs (above 1/2 Cum)
10	GO (Rt) 2752/80 /AD dated 4/10/80 & 16(d)1 of FSR	0.111 Sawyer	Per cut	Cross cutting with saw below 125 cm in girth
11	GO (Rt) 2752/80 /AD dated 4/10/80 & 16(d)2 of FSR	0.166 Sawyer	Per cut	Cross cutting with saw 125 to 150 cm in girth
12	GO (Rt) 2752/80 /AD dated 4/10/80 &	0.333	Per cut	Cross cutting with saw above 150 cm in girth

	16(d)3 of FSR			
13	106	10 Axe man	100 trees	Providing axe man for felling poles
14	70 (a)	0.083 Axe man	Pole	Conversion & classification of teak poles I class
15	71 (a)	0.063 Axe man	Pole	Conversion & classification of teak poles II class
16	14 (c) & GO (MS) No. 7/07/F&WLD dated 24/2/07	0.3067SSMM	100 logs	Chisel numbering of timber, 1 <sup>st</sup> and 2 <sup>nd</sup> class teak poles <sup>2*</sup>
17	GO (MS) No. 7/07/F&WLD dated 24/2/07	Rs.135	M <sup>3</sup>	Dragging of timber, 1 <sup>st</sup> & 2 <sup>nd</sup> poles by hired elephant
18	72 (b)	0.438MM	Pole	Haulage of III class teak poles up to 400m
19	73 (b)	0.15MM	Pole	Haulage of IV class teak poles up to 400m
20	135 & GO (MS) No. 7/07/F&WLD dated 24/2/07	0.706HSMM	Cum	Loading timber & poles in the lorry
21	GO (MS) No. 7/07/F&WLD dated 24/2/07		Cum	Transportation of timber & poles in lorry to Depot
22	136 (a) & GO (MS) No. 7/07/F&WLD dated 24/2/07	0.353HSMM	Cum	Unloading timber & poles in Depot
23	PWD 652	Rs.48	10m <sup>2</sup>	Sectioning up to 150mm & forming surface of old road <sup>3A*</sup>
24	PWD 278 & circular No. 1/2004 of CCF	Rs. 357	Per m <sup>3</sup>	Rough stone dry packing for chappaths, gutters & slushy portion of road <sup>3B*</sup>
25	129	49.680MM	Km	Construction of feeder road in clear felling coupes <sup>3C*</sup>
26	130	4.968MM	Km	Construction of drag paths in clear felling coupes <sup>3D*</sup>
27	63	10.763MM	10sq.m	Construction of temporary shed
28	NMR			Engaging mazdoor for assisting registration & protection of felled materials <sup>4*</sup>
29	LS			Contingencies

@ This should be allowed only if the survey sketch does not exist.

**1\*** Temporary cairns are damaged usually within in a period of 6 months. This will result in difficulty in identification of boundary. PWD stones are of permanent nature, hence it is accepted. (For split stone of size 60x20x20cm @ Rs.500/m<sup>3</sup> -- 0.025 x 500 = Rs.12. 50 + 0.1MM for fixing the same @ Rs.168/E -- 0.1x 68 = Rs.16.80, (Total 12. 50 + 16. 80 = **Rs.29. 30**). This excludes the cost of transportation.

**2\*** For chisel numbering no VDA is allowed as per Circular No. 40/79 (C1 - 61649/78 dt.15/06/1979) of the Chief Conservator of Forests.

**3A, 3B, 3C & 3D\*** These items should be allowed only if necessary.

**4\*** The number of mazdoor allowed should be limited depending upon the requirement.