

**UNIT COST ESTIMATE FOR ADV. OPERATIONS FOR GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
02.01.00	<b>ADVANCE OPERATION (PRE-PLANTING OPERATION)</b> - All advance-operation works of plantations to be raised shall be completed before March. Perambulation of site, preparing site inspection report including type of vegetation and density, approval of site suitability and the category of jungle growth clearance, taking the images of the existing vegetation, preparation of treatment plan shall be prepared and approved in writing by DFO before taking up advance operation.					
02.01.01	<b>Survey with hand-held GPS</b> (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform latest by December end.	Plantation	1	374.483		374.48
02.01.02	<b>Clearing</b> unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and <i>NTFP</i> species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); <b>Spreading</b> the cut material all over the site; and <b>Burning</b> the same twice till completely burnt. All the above operations should be completed before December.					
	(a) <i>Sparse Jungle Growth</i> (< 10% ground area covered with Jungle growth)	Ha	1	2081.36	520.341	2602.00
02.01.03	<b>Formation of Sector Lines / Fire Lines</b> to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level. <i>This operation is applicable for plantations other than Semi-Mechanical Plantation.</i>	Rmt	750	6.1425	1.53563	5759.00
02.01.04	ii) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height) which includes cost of stake, coaltar application at the bottom of the stake (30 cm), transportation, fixing and tying.	100 nos	100	1200	0	1200.00
	<b>Digging of Pits - Manual</b> : All efforts shall be made to complete pitting works before March-end. Under exceptional circumstances (if the target of plantation is given in the month of March-April), the pitting can be done during June and July. <i>But any pitting done during June-July, plants can only be planted after the pits are verified by field inspections of FROs and DFOs of proper dimensions to avoid simultaneous pitting and planting which may result in higher percentage of</i>					
02.01.06	<b>Between January - March</b>					
	(a) <i>Ordinary Soil</i>					
	ii) 45 cm <sup>3</sup> pits	per pit	100	22.575	5.64375	2822.00
	<i>Note: For Digging of 60 cm<sup>3</sup> pits &amp; 1m<sup>3</sup> pits either manually or by machine, the rate available under FSR item No. 02.15.03 (a&amp;b) may be adopted with prior permission of Circle Head.</i>					

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	Digging of Staggered Contour Trenches (SCTs) for impounding rain water - Manual - Size: 3m Length, 0.45 m top-width, 0.30 m bottom-width and 0.45 m depth; earthwork volume per trench: 0.506 cum - Max. of 100 no. per ha. If they are made with machine, the works can be done by calling for tender. However, if they are intended to be done					
02.01.08	Between January - March					
	(a) Loamy and clayey soil like BC soils, red earth and chowdu soil	per cum	100	291.953	72.9881	36494.00
				Total		49251.48

	OR	49251.00
Added Excalation = 10% for the year 2021-22		54176
Added Excalation = 10% for the year 2022-23		59594
Added Excalation = 10% for the year 2023-24		65553
Added Excalation = 10% for the year 2024-25		72108
Added Excalation = 10% for the year 2025-26		79319
Added Excalation = 10% for the year 2025-26		87251

*Bahun*  
Forest Divisional Officer,  
Bhadrachalam Division

*Jy*  
08/06/2020

*108/6/2020*

Forest Divisional Officer,  
Bhadrachalam Division

**UNIT COST ESTIMATE FOR RAISING FOR GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
02.02.00	<b>PLANTING OPERATIONS DURING RAISING YEAR including casualties</b>					
	<b>Cost of Tall Plants (per plant Rs.80/-)</b>	Nos.	120			9600
02.02.01	<b>Transportation of Planting Stock</b> (including loading and unloading) up to a distance of 5 km					
	(b) 15 X 30 cm (6"X12") bag plants	100 nos	120	115.185	0	115.185
02.02.02	<b>Transportation of Planting Stock</b> (including loading and unloading) more than 5 km distance and upto 25 km distance					
	(b) 15 X 30 cm (6"X12") bag plants	100 nos / km	120	3.85	0	462.00
02.02.03	<b>Transportation of Planting Stock</b> (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)					
	(b) 15 X 30 cm (6"X12") bag plants (20*1.95=39)	100 nos / km	120	39	0	46.80
02.02.04	<b>Internal transportation</b> to planting points on head loads					
	(b) 15 X 30 cm (6"X12") bag plants	100 nos	120	91.8225	22.95563	137.73
	<b>PLANTING: Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)</b>					
02.02.05	<b>Application of 50 gm of SSP per pit</b> (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	100 nos	120	39.27	9.8175	58.91
02.02.06	<b>Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos</b>	As per Actuals	As per Actuals			100
02.02.07	<b>Planting in various size pits</b>					
	b) Planting in 45 cm <sup>3</sup> Pit	100 nos	120	437.4825	109.3706	656.22
02.02.09	<b>Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell</b>					
	a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	100 nos / each watering	120	264.8625	66.21563	397.29
	b) 2nd watering if dry spell is more than 5-6 days after first watering on the day of planting with the prior written permission of Circle Head.	100 nos / each watering	120	264.8625	66.21563	397.29
	<i>Note: The Plantation in-charge Officer should record the watering operations in Watering Watch Register and MB on the same day of watering.</i>					
02.02.10	<b>Replacement of Casualties: 20% during Raising Year &amp; 25% in 1<sup>st</sup> year</b> The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and				
02.02.11	<b>Cost of DAP @ 25 gm / planting point</b>	As per Actual	As per Actual			200

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02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	100 nos	100	39.27	9.8175	49.09
02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	100	125.0025	31.25063	156.25
02.02.14	Circular weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	100 nos	100	125.0025	31.25063	156.25
02.02.15	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)					
	(a) For ordinary soil	100 nos	100	437.4825	109.3706	546.85
02.02.16	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the					
	(a) Low rainfall zone < 800 mm (Nizamabad, Hyderabad & Amarabad WL Circle)	Ha	1	975.45	243.8625	1219.00
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	Ha	1	1463.28	365.82	1829.00
02.02.17	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	100 nos	100	124.2675	31.06688	155.33
02.02.19	Enumeration of row-wise survival and average growth twice in the raising year - Number of plants planted and Number surviving (to be undertaken during May and Dec) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indegenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.25 - 1.50 m at the end of the raising year.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
02.02.20	Contingencies provision for Raising of plantaitons:					
	i) Fixing of Plantation Boards and Corner Stones	As per Actuals				500
	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)	with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-				359
				Total		17142.20

OR 17142.00

Added Excalation = 10% for the year 2021-22 18856  
 Added Excalation = 10% for the year 2022-23 20742  
 Added Excalation = 10% for the year 2023-24 22816  
 Added Excalation = 10% for the year 2024-25 25098  
 Added Excalation = 10% for the year 2025-26 27608  
 Added Excalation = 10% for the year 2025-26 30369

Forest Divisional Officer,  
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 08/06/2020 *08/06/2020*



# UNIT COST ESTIMATE FOR 1st YEAR MAINT. OF GAP PLANTING

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
02.03.00	1 <sup>st</sup> YEAR MAINTENANCE					
02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July.	Pitting, planting, transportation and internal transportation same as prescribed in fresh planting				
02.03.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	100	125	31.25063	156.25
02.03.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	100	125	31.25063	156.25
02.03.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)					
	(a) For ordinary soil	100 nos	100	437.48	109.3706	546.85
02.03.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1463.3	365.82	18.29
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October.	100 nos	100	124.27	31.06688	155.33
02.03.07	Enumeration of row-wise survival and average growth thrice in 1st MAINTENANCE year - Number of plants planted and number surviving (to be undertaken during May and Dec.) to be ascertained and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.75 - 2 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
02.03.08	Contingencies provision for maintainence of plantaitons:					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				500
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				50
				Total		1582.97

OR 1583.00

Added Excalation = 10% for the year 2021-22 1741  
 Added Excalation = 10% for the year 2022-23 1915  
 Added Excalation = 10% for the year 2023-24 2107  
 Added Excalation = 10% for the year 2024-25 2318  
 Added Excalation = 10% for the year 2025-26 2550  
 Added Excalation = 10% for the year 2025-26 2805

Forest Divisional Officer,  
 Bhadrachalam Division

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**UNIT COST ESTIMATE FOR 2ND YEAR MAINT. OF GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR **3295.00**

Added Excalation = 10% for the year 2021-22 3625  
 Added Excalation = 10% for the year 2022-23 3988  
 Added Excalation = 10% for the year 2023-24 4387  
 Added Excalation = 10% for the year 2024-25 4826  
 Added Excalation = 10% for the year 2025-26 5309  
 Added Excalation = 10% for the year 2025-26 5840

**Forest Divisional Officer,  
Bhadrachalam Division**

08/06/2020

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**UNIT COST ESTIMATE FOR 3rd YEAR MAINT. OF GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR **3295.00**

Added Excalation = 10% for the year 2021-22      3625  
 Added Excalation = 10% for the year 2022-23      3988  
 Added Excalation = 10% for the year 2023-24      4387  
 Added Excalation = 10% for the year 2024-25      4826  
 Added Excalation = 10% for the year 2025-26      5309  
 Added Excalation = 10% for the year 2025-26      5840

**Forest Divisional Officer,  
Bhadrachalam Division**

08/06/2020

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**UNIT COST ESTIMATE FOR 4th YEAR MAINT. OF GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR **3295.00**

Added Excalation = 10% for the year 2021-22 3625  
 Added Excalation = 10% for the year 2022-23 3988  
 Added Excalation = 10% for the year 2023-24 4387  
 Added Excalation = 10% for the year 2024-25 4826  
 Added Excalation = 10% for the year 2025-26 5309  
 Added Excalation = 10% for the year 2025-26 5840

*Balhu*  
**Forest Divisional Officer,**  
**Bhadrachalam Division**

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*08/06/2020*

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**UNIT COST ESTIMATE FOR 5th YEAR MAINT. OF GAP PLANTING**

FSK Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2<sup>nd</sup> MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR 3295.00

Added Excalation = 10% for the year 2021-22	3625
Added Excalation = 10% for the year 2022-23	3988
Added Excalation = 10% for the year 2023-24	4387
Added Excalation = 10% for the year 2024-25	4826
Added Excalation = 10% for the year 2025-26	5309
Added Excalation = 10% for the year 2025-26	5840
Added Excalation = 10% for the year 2026-27	6424

**Forest Divisional Officer,  
Bhadrachalam Division**

08/06/2020

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**UNIT COST ESTIMATE FOR 6th YEAR MAINT. OF GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR 3295.00

Added Excalation = 10% for the year 2021-22	3625
Added Excalation = 10% for the year 2022-23	3988
Added Excalation = 10% for the year 2023-24	4387
Added Excalation = 10% for the year 2024-25	4826
Added Excalation = 10% for the year 2025-26	5309
Added Excalation = 10% for the year 2025-26	5840
Added Excalation = 10% for the year 2026-27	6424
Added Excalation = 10% for the year 2027-28	7066
Added Excalation = 10% for the year 2028-29	7773
Added Excalation = 10% for the year 2029-30	8550
Added Excalation = 10% for the year 2030-31	9405
Added Excalation = 10% for the year 2031-32	10346
Added Excalation = 10% for the year 2032-33	11381
Added Excalation = 10% for the year 2033-34	12519

Bdhu  
**Forest Divisional Officer,  
Bhadrachalam Division**

Jy  
08/06/2020

10/6/2020



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**UNIT COST ESTIMATE FOR 7th YEAR MAINT. OF GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	Contingencies provision for maintainence of plantaitons:					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR **3295.00**

Added Excalation = 10% for the year 2021-22	3625
Added Excalation = 10% for the year 2022-23	3988
Added Excalation = 10% for the year 2023-24	4387
Added Excalation = 10% for the year 2024-25	4826
Added Excalation = 10% for the year 2025-26	5309
Added Excalation = 10% for the year 2025-26	5840
Added Excalation = 10% for the year 2026-27	6424
Added Excalation = 10% for the year 2027-28	7066
Added Excalation = 10% for the year 2028-29	7773
Added Excalation = 10% for the year 2029-30	8550
Added Excalation = 10% for the year 2030-31	9405
Added Excalation = 10% for the year 2031-32	10346
Added Excalation = 10% for the year 2032-33	11381
Added Excalation = 10% for the year 2033-34	12519

*Bahar*  
**Forest Divisional Officer,  
Bhadrachalam Division**

*08/06/2020*

*10/6/2020*

**UNIT COST ESTIMATE FOR 8th YEAR MAINT. OF GAP PLANTING**

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FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

**OR 3295.00**

Added Excalation = 10% for the year 2021-22	3625
Added Excalation = 10% for the year 2022-23	3988
Added Excalation = 10% for the year 2023-24	4387
Added Excalation = 10% for the year 2024-25	4826
Added Excalation = 10% for the year 2025-26	5309
Added Excalation = 10% for the year 2025-26	5840
Added Excalation = 10% for the year 2026-27	6424
Added Excalation = 10% for the year 2027-28	7066
Added Excalation = 10% for the year 2028-29	7773
Added Excalation = 10% for the year 2029-30	8550
Added Excalation = 10% for the year 2030-31	9405
Added Excalation = 10% for the year 2031-32	10346
Added Excalation = 10% for the year 2032-33	11381
Added Excalation = 10% for the year 2033-34	12519

**Forest Divisional Officer,  
Bhadrachalam Division**

*B. S. Rao*  
6/8/2020



**UNIT COST ESTIMATE FOR 9th YEAR MAINT. OF GAP PLANTING**

FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR **3295.00**

Added Excalation = 10% for the year 2021-22	3625
Added Excalation = 10% for the year 2022-23	3988
Added Excalation = 10% for the year 2023-24	4387
Added Excalation = 10% for the year 2024-25	4826
Added Excalation = 10% for the year 2025-26	5309
Added Excalation = 10% for the year 2026-27	5840
Added Excalation = 10% for the year 2027-28	6424
Added Excalation = 10% for the year 2028-29	7066
Added Excalation = 10% for the year 2029-30	7773
Added Excalation = 10% for the year 2030-31	8550
Added Excalation = 10% for the year 2031-32	9405
Added Excalation = 10% for the year 2032-33	10346
Added Excalation = 10% for the year 2033-34	11381
Added Excalation = 10% for the year 2033-34	12519

**Forest Divisional Officer,  
Bhadrachalam Division**

*08/06/2020*

*08/06/2020*

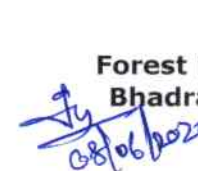
**UNIT COST ESTIMATE FOR 10th YEAR MAINT. OF GAP PLANTING**

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FSR Item No.	Item of work	Units	Qty	FSR Rate	Rate in Agency allowance	Amounts
1	2	3	4	5	6	7
<b>02.04.00</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>					
<b>02.04.01</b>	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.02</b>	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	100 nos	<b>100</b>	<b>125.003</b>	<b>31.25063</b>	<b>156.25</b>
<b>02.04.03</b>	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
	(a) For ordinary soil	100 nos	<b>100</b>	<b>437.483</b>	<b>109.3706</b>	<b>546.85</b>
<b>02.04.04</b>	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	<b>1</b>	<b>1463.28</b>	<b>365.82</b>	<b>1829.00</b>
<b>02.04.05</b>	<b>Enumeration of row-wise survival and average growth thrice in 2nd MAINTENANCE year - Number of plants planted and Number surviving (to be undertaken during May and Dec.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year MAINTENANCE.</b>	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
<b>02.04.06</b>	<b>Contingencies provision for maintainence of plantaitons:</b>					
	i) Maintenance of Plantation Boards and Corner Stones	As per Actuals				<b>500</b>
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-				<b>100</b>
				<b>Total</b>		<b>3295.35</b>

OR **3295.00**

Added Excalation = 10% for the year 2021-22	3625
Added Excalation = 10% for the year 2022-23	3988
Added Excalation = 10% for the year 2023-24	4387
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Added Excalation = 10% for the year 2026-27	6424
Added Excalation = 10% for the year 2027-28	7066
Added Excalation = 10% for the year 2028-29	7773
Added Excalation = 10% for the year 2029-30	8550
Added Excalation = 10% for the year 2030-31	9405
Added Excalation = 10% for the year 2031-32	10346
Added Excalation = 10% for the year 2032-33	11381
Added Excalation = 10% for the year 2033-34	12519

  
**Forest Divisional Officer,**  
**Bhadrachalam Division**  
 08/06/2020