

Unit cost estimate for advance cum Raising of 0.1 Ha LI Plantation (@ 100 plants/ Ha) 2020-21
Diversion of 0.1902 forest Land in Malkapur- III. Forest
Block Comp. No 236 Turkapally Beat of Turkapally section of Yadadri Bhongir Dist. For
Construction of M. Turkapally canal system including distributor for irrigating an ayacut
of 18,775 acres in favour of I & CAD Dept.

Sl.No	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
1		Cost of plants of 8"X12" size bag plants including transportation upto planting site (including 10% casualties)	Nos	110	200.00	Each	22000
2		Cost of supporting stake	Nos	100	20.00	Each	2000
3	02.15.03	Digging of pits 1 m3(one Cubic meter) with machine	Nos	100	As per actauls	per pit	2500
4	02.18.10	Internal transport of bag plants to planting points on head loads. 20 X 30 cm (8"X12") bag plants	Nos	100	162.30	100	162
5	02.19.01	Application of 50gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting.	Nos	100	39.27	100	39
6	02.19.02	Cost of SSP, Chloridine dust (50gm) or Chloropyriphos	Nos	100	0.50	1	50
7	02.19.04	Planting in 1 m3 (one Cubic meter) pit	Nos	100	2249.10	100	2249
8	02.19.05	Watering (12 waterings) Waterings immediately after planting - 2. Watering from October 2020 to March-2020 @ 2 waterings / month - 12.	Nos	100	264.86	100	2119
9	02.19.06	Replacement of Casualties: 20% during Raising Year . The caualty 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 internal transportation same as adopted during raising year				
10		1 m cube size in hard gravelly and moram Soil (Manual)	Each	100	13.77	Each	1377
11		Internal transportation	Nos	100	162.30	100	162
12		Planting in 60 cm3 pit	Nos	10	11.24	100	112
13	02.19.07	Application of fertilizer					
14		(a) Cost of DAP @ 25gm/planting point	Nos	100	0.70	1	70
15		(b) Application of fertilizer in August (30days after planting) by making 3 holes of 10cm depth with crow bar holes at a distance of 10cm away from plant and putting fertilizers and closing.	Nos	100	39.27	100	39

Sl.No	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
16	02.19.08	Weeding & Soil working					
17		1 st circular weeding to a radius of 0.50 m around the plant after 30 days of planting	Nos	100	124.95	100	125
18		2 nd circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct)	Nos	100	124.95	100	125
19	02.19.10	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 plant (to be carried out during Nov - Dec) (b) For hard gravelly soil	Nos	100	656.25	100	656
	02.20.08	Cost of Plantation Board	Nos	1	As per actauls		5000
		Total					38785.00
		Unit cost for 2020-21					38785.00
		Unit cost for 2021-22 (10 % escalation)					42663.00


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Unit cost for 1st year Maint. of 0.1 Ha LI Plantation (@ 100 plants/ Ha) 2020-21
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SL.No	FSR Item No.	Item of work	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.20.01	Replacement of Casualties: 25% in 1st year. The list of all casualty points shall be prepared by concerned FRO and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by the end of June. The replacement of casualties shall be completed by 15th of July.	Pitting, planting, transportation and internal transportation same as prescribed in fresh planting of the raising year				
2	As per actuals	Cost of plants of 8"X12" size bag plants including transportation upto planting site (including 20% casualties)	Nos	25	250.00	Each	6250
3		Digging of pits 1 m3 manually and an inspection report regarding the correctness of the pit shall be submitted by FRO to DFO concerned. During June-July	Nos	25	48.56	Each	1214
4		Internal transport of bag plants to planting points on head loads. 20 X 30 cm (8"X12") bag plants	Nos	25	162.30	100	41
5		Planting in various size pits b) planting in 60cm3 pit	Nos	25	970.88	100	243
5	02.20.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	Nos	25	124.95	100	31
6	02.20.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	Nos	100	125.00	100	125
7	02.20.04	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)					
		(b) For hard gravelly soil	Nos	100	656.25	100	656
8	02.20.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	Nos	100	124.27	100	124
9	02.20.08	Contingencies provision for maintainence of plantaitons:					
		ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)					260
		Total					8944
		Unit cost for 2022-23					8944
		Unit cost for 2022-23 (20 % escalation)					10732



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Unit cost for 2st year Maint. of 0.1 Ha LI Plantation (@ 100 plants/ Ha) 2020-21
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Sl.No	FSR Item No.	Item of work	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.21.01	Circular weeding to a radius of 0.50 m around the plant June	Nos	100	124.95	100	125
2	02.21.02	2nd Circular weeding (i.e. Aug - Sept)		100	124.95	100	125
3	02.21.03	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)					
		(b) For hard gravelly soil	Nos	100	656.25	100	656
		ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)					19
		Total:					925
		unit cost for 2023-24					925
		unit cost for 2023-24 (30 % escalation)					1203


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