

UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal) (9x11) - FSR 2023-34

Sl. No.	FSR	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	208.96	1	835.84
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	290.16	1	290.16
3	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	5	10846.93	100	542.35
		Total					1668.35
		cost of each plant (500 Plants per bed)					3.3367


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UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August) FSR -2023-24

Sl. No.	FSR	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)					
	01.04.01	Watering polybag secondary beds twice a day for 4 months					
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	338.27	1	1353.08
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	68.33	1	68.33
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	290.16	1	580.32
4	01.04.05	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	20.00	1	20.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)					
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	34.19	1	34.19
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	10846.93	100	433.88
8	01.04.09	Electricity charges			550.00		550.00
		Total					3064.80
9	01.04.08	Contingencies @ 5%					153.24
		2021-22 Total					3218.04
		cost of each plant (500 Plants per bed)					6.4361


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UNIT COST FOR CONVERSION FROM 6"x8" to 9"x11" (FSR -2023- 24)

Sl. No.	FSR Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		CONVERSION of Root Trainer plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).					
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
	01.03.21	Transportation of soil mixture ingredients					
		Distance up to 5 km					
1	h	(h) 6" x 8" to 9" x 11" bags (4 717 - 1 433 = 3,284 cum) (500 Bags per Bed)	No	500	1447.37	1000	723.69
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	j	(j) 6" x 8" to 9" x 11" bags (4 717 - 1 433 = 3 284 cum)	No	500	38.32	1000	19.16
	01.03.24	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)					
3	h	(h) 6" x 8" to 9" x 11" bags (4,717 - 1 433 = 3,284 cum)	No	500	2554.32	1000	1277.16
	01.03.31	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings					
4		Weeding the plants (2 weedings)	Bed	2	68.33	1	136.66
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	290.16	1	580.32
	01.03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	338.34	1	1691.70
	01.03.37	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					35.00
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	10846.93	100	433.88
8		Cost of the ploythene bags					2500.00
9	01.03.39	Electricity charges					600.00
		Total					7997.56
10	01.03.38	Contingencies @ 5%					399.878
		Total for 500 plants					8397.44
		cost of each plant					16.7949


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Unit cost for Stabilization of RF Block boundary (CPT Bund stabilization) FSR 2023-24

			Area in Ha/Km. :		1.00	KM		
Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
		First year operations in ANR areas						
1		STABILIZATION OF RF BLOCK BOUNDARY CONTINUOUS PERIPHERAL TRENCH MOUND: Planting on peripheral trench mound and adjacent strips are taken up with the objective of increasing the effectiveness of trench as a barrier for entry of grazing animals and spread of fire. Also by planting on the mound, the loose soil gets stabilized and increases the life-span of trench. The rationale of planting the edible wild fruit species is to enhance the food base of the monkeys and other wild animals. The species selected for planting may be Pithecolobium dulce, Terminalia bellirica, Careya arborea, Bridellia retusa, Phyllanthus emblica, Semecarpus anardium, Buchanania lanzan, Tamarindus indica, Ficus benghalensis, Ficus religiosa, Limonia acidissima, Syzygium cuminii etc. All these plantings will be one time operation without further years' maintainance. The process includes following steps:						
	03.02.02	1) Planting of :- (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound; (B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart; (C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound; and (D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff. (E) 15% extra over basic rates for revisiting areas only. The total planting points thus works out to be 2750 seedlings per km on trench mound.						
		Procurement of seedlings (Gachakaya 2000+ Bamboo-250 + fruit species-500) (2750 +25 % casualities per Kms= 3437 Nos or 3450 Nos	3450	Nos	5.50	1	Nos	18975
		(A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound.						
		(a) Allignment & Stacking (in 2 staggered rows)	2000	Nos	94.82	100	Nos	1896
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	2000	Nos	65.94	100	Nos	1319
		(c) Digging of 30 cm ³ pits to be done during June	2000	Nos	5.64	1	No	11280
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(iii) From nursery to plantation site - upto 5 Km lead (4"X7") bag plants	2000	Nos	44.88	100	Nos	898
		(iv) From nursery to plantation site - beyond 5 Km upto 25 km lead (4"X7") bag plants (20 Kms X 1.43)	2000	Nos	33.00	100	Nos	660
		(g) Internal transportation of 4"X7" bag plants to planting points on Head loads	2000	Nos	47.38	100	Nos	948
		(h) Planting with 2.00 m apart in two row (1000 Nos. per km) and formation of saucer on lower slope to hold water.	2000	Nos	165.85	100	Nos	3317

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
2		(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart (Bag Planting)						
		(a) Alignment & Stacking	500	Nos	94.82	100	Nos	474
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	500	Nos	65.94	100	Nos	330
		(c) Digging of 30 cm ³ pits to be done during June	500	Nos	5.64	1	No	2820
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (4"x7") bag plants	500	Nos	44.88	100	Nos	224
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (20 x 1.30=41.00)	500	Nos	33.00	100	Nos	165
		(f) Internal transportation of 4"x7" bag plants to planting points on Head loads	500	Nos	47.38	100	Nos	237
		(h)Planting with 2 m apart in one row (500Nos. per km)	500	Nos	165.85	100	Nos	829
3		(C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound (Bag planting)						
		(a) Alignment & Stacking)	250	Nos	94.82	100	Nos	237
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	250	Nos	65.94	100	Nos	165
		(d) Digging of 45 cm ³ pits (50% of original rate) to be done during June	250	Nos	5.64	1	No	1410
		(e) Transportation of seedlings (including loading and unloading) & Internal transport –						
		(i) From nursery to plantation site – upto 5 Km lead - (6"x8") bag plants	250	Nos	44.88	100	Nos	112
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (20 x 4.03=80.60)	250	Nos	33.00	100	Nos	83
		(f) Internal transportation of 6"x8" bag plants to planting points on Head loads	250	Nos	47.38	100	Nos	118
		(h)Planting with 4 m apart in one row (250 Nos. per km)	250	Nos	165.85	100	Nos	415
4		(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff						0
		Total						46911
		2023-24				P. KM		47700

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