# ACTION PLAN FOR RAISING OF COMPENSATORY AFFORESTATION(CA) PLANTATION AGAINST RELEASE OF FOREST LAND UNDER 1980 FOREST CONSERVATION ACT DURING 2020-21.

44.604							0.000	
×							Grand Total	
44.604	1593000.00	2.80	Hitlalli XXIX-12, F.S.No.198	2.80	1.40	FP/KA/Others/ 30144/2017.	Diversion of 1.40 hectare of Forest Land in Forest Sy.No.36/1/A & 36/1/B of Ummachgi village, Yellapur Taluk for establishment of Sub-Market Yard in favour of Secretary, APMC, Yellapur, Uttar Kannada district.	F (0 /0 < ::: =
				(in Ha.)				
id Ni				forest land	(in Ha.)			
(Rs.in		in Ha.	Afforestation to be implemented.	raising CA plantation in	diverted			
Amount	Rate /Ha.	Extent	Compensatory	Stipulation for	Forest	Proposal No.	waille of the FloJect	

Grand Total Rs. 44.604 lakhs(Fourtyfour Lakhs Sixty Thousand Four Hundred Only)

Deputy Conservator of Forest Yellapur Division, Yellapur.

Indicative Cost Estimation for Raising and Maintainence of Compensatory Afforestation as part of compliance of conditions of Stage-I approval (Based on KFD CSSR for 2020-21)

ABSTRACT (Amount in Rs.; Cost per hectare)

[ANNEXURE - 1]

414,405	8,100	8,100	8,100	8,100	8,100	27,400	27,400	27,400	33,100	40,394	84,411	133,800	Total: (A to F)
8,100	8,100												Maintenance of plantation during 10th Year
8,100		8,100											Maintenance of plantation during 9th Year
8,100			8,100										Maintenance of plantation during 8th Year
8,100				8,100									Maintenance of plantation during 7th Year
8,100					8,100								Maintenance of plantation during 6th Year
													F: Maintenance of of plantation (Without cultural operations)
27,400						27,400							Maintenance of plantation during 5th Year
27,400							27,400						Maintenance of plantation during 4th Year
27,400								27,400					Maintenance of plantation during 3rd Year
													E: Maintenance of of plantation (With Cultural operations but without manuring)
33,100									33,100				Maintenance of plantation during 2nd Year
	100				200								D: Maintenance of plantation (With cultural operations & manuring)
694										694			Maintenance of seedlings raised for casuality replacements (8"X 12"Size 100 Pbs @ Rs. 6.94=694.00)
39,700					- A - A					39,700			Maintenance of the plantation during 1st year
													C: Maintenance of of plantation (with Casualty Replacement, cultural operations and manuring)
2,283						8					2,283		Raising nursery for replacement of casualities next year 10% (8"X12" Size 100 Pts @ Rs.22.83 each)
8,328											8,328		Maintenance of seedling before planting (8"X 12"Size Pbs 1200 pbs @ Rs.6.94 each)
73,800											73,800		Raising plantation in advance worked area
													B: Raising of plantation
133,800												133,800	Advance works (including raising of Pbs of 8"X 12"Size
	100	1001	- 601 0		_								A: Advance Works
Grand Total	Voor 40	Vosro	Voor 8	Vear 7	מ	Year 5	Year 4	Year 3	Year 2	Year 1	Raising	Advance Work Year	Particulars
					nance	Maintenance							

	Miscellnuous for rounding off		IV Chainlink fencing (Considering 200 meter average periphery) (33% accounts	Compounding
	GRAND TOTAL	1,060,622 102,137	10,400	147,180 102,137 90,542
	TAL	137 53,764		2,137 53,764
		48,462		64 48,462
		44,128		2 44,128
		48,541		48,541
		53,395		53,395 17,363
		17,363		
Depu Yella		19.099		19,099
Deputy Conservator of For	21,009			21,009
Deputy Conservator of Forest Yellapur division, Yellapur	23,110 2			19,099 21,009 23,110 25,421
	25,421 1,517,052 75,853 96			
1,593,000	517,052 75,853 96	10,400 812,500	90,542	603,610

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## DATA SHEETS FOR RAISING AND MAINTAINING CA PLANTATION

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost.]

## A: DATA SHEET FOR ADVANCE WORKS

(500 Trenches of size 4 m x 0.5m x 0.5m per hectare; 1000 Seedlings @2 plants per Trench)

SI. No.	SSR Item No.	Particulars of Works	Qu	antity	Rate (Rs.)	Per Unit	Amount (Rs.)
1	100(b)	Survey and Demarcation of plantation boundary lines after clearing the rank growth to a width of 2 mtrs in the areas with sparse under growth	200	Mtrs	1,258.73	per KM	251.75
2	28(a)	Aligning in the planting area along the contours & marking for trenches	500	Trs	1,463.70	per 1000 trenches	731.85
3	28(b)(ii)	Excavation of contour trenches of size 4 m x 0.5 m x0.5 m with uncut portion of 25 cm. in between the adjacnt trenches, and depositing the 1/3rd top soil on upper slopes and remaining 23rd excavated earth on lower slopes of the trenches in:  (b)(ii) Hard soil	500	M3	210.76	per cum	105,380.00
4	Sub estimate	Raising of 8"x12" size PB seedlings including 20% casuality replacement	1200	seedlings	22.83	each	27,396.00
5		Miscellaneous and rounding off					40.40
SCU A		TOTAL					133,800.00
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SI.	SSR Item	DATA SHEET FOR RAISING OF 8" X 12" SIZE					
No.	No.	Particulars of Works	Quan	tity	Rate (R		Amount (Rs.)
1	By Tender	The state of the s	1000	Bags	4.5	1	4,500.0
2	14(a)	Procurement of 4.20 cum. of ingredients i.e. farmyard manure/compost, sand and red earth in 1:1:2 proportion	1000	PBs	3,273.36	1,000	3,273.3
3	14(b)	Mixing the ingredients, filling the polythene bags and arranging in rows after scraping the earth	1000	PBs	3,103.13	1,000	3,103.1
4	LS/RQ	cost of quality seeds/ Quality Planting Material	500	PBs	327.18	1,000	163.5
5	14(d)	Pricking out the seedlings from seed beds and transplanting in the PBs	500	PBs	319.03		159.5
6	Sub Est.	Raising of 4"x6" seedlings (Transplanting seedlings)	500	PBs	3.11	1	1,555.00
7	14(e)	Transplanting of 4"x6" or5"x8" size bagged seedlings into 8"x12" size bags after removal of the seedlings along with the trimmed ball of earth	500	PBs	319.03	1,000	159.52
8	14(f)	Watering to the Polythene bagged seedlings twice a day from 01-09-2020 to 31-03-2021 for 212 days (Limited to 183 days)	1000 183	PBs Days	44.04	1000	8,059.32
9	14(g)	Weeding the polythene-bagged seedlings	1000		134.7	1000	538.80
10	14(h)	Shifting & grading the polythene-bagged seedlings	1000		382.91	1,000	765.82
11	LS/RQ	Cost of application of pesticides/fungicides biofertillisers, diesel bill, repairs to pumpset, electricity bills, nursery dev.Charges.	1000	PBs	546.95	1,000	546.95
12	LS/RQ	Miscellaneous, Unforeseen & rounding off		LS	3		5.00
		Sub Total (I)					22,830.00
			E				22,030.00
		DATA SHEET FOR MAINTENANCE OF 8" X 12" SIZ	ZED WOVE	N BAG	SEEDLIN	GS	
No.	SSR Item No.	Particulars of Works	Quant	ity	Rate (Rs.) Per Unit		Amount (Rs.)
1		Watering to the Polythene bagged seedlings twice a day from 1st April 2019 for 120 days	1000 120	days	44.04	1000	5,284.80
2		Weeding the polythene-bagged seedlings	1000 2	PBs Times	134.7	1000	269.40
3		Shifting & grading the polythene-bagged seedlings	1000 3	PBs Times	382.91	1000	1,148.73
4	LS/RQ I	Electricity charges, diesel charges, maintenance charges of nursery, etc. and Misc.		LS			237.07
		Sub Total (II)					6,940.00
		Total (I + II)					29,770.00
			1-1-1		6		
					(10)		
				De	puty Conser	vator of fo	rests

# B: DATA SHEET FOR RAISING OF CA PLANTATION

(500 Trenches; 1000 Seedlings per hectare)

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost 1

il. o.	SSR	Particulars of Works	Quai	ntity	Rate (Rs.) Pe	r Unit	Amount (Rs.)
		Refilling of trenches, cutting the edges of the excavated trench on the lower side & refilling the trench with 75% of the excavated earth duly breaking the clods & formation of uniformly sloping continuous mound all along the lower side of the trench.	500		21.07	1	10,535.00
2	20(4)	Sowing of seeds on trench mound of 4 Meter in length.	500		5.02	1	2,510.00
3	23(d)	Loading & unloading of Polythene Bagged Seedlings: Loading of polythene-bagged seedlings into the vehicle at the nursery site and unloading at the site nearest to the planting site (Including 10% for casually replacement) Seedlings raised in 8" x 12" size bags.	1100	Pbs	2,342.01	1000	2,576.21
4	24(d)(iv)	Transportation: Transportation of polythene-bagged seedlings in hired truck from the nursery site to planting site (Distance from 31 to 40 kms) Seedlings raised in 8" x 12" size bags:	1100		3,742.82	1000	4,117.10
5	25(d)	Conveyance of polyhene bagged seedlings on head load from the dumping site to planting location near each trench/pit (distance up to 3 km) 8"X 12" size bagged seedlings	1100	Pbs	4,683.99	1000	5,152.39
6	26(c)	Watering by dipping: Watering polythene bagged seedlings at planting site by dipping in water, including carrying of water	1100	Pbs	995.33	1000	1,094.86
7	27(d)	8" x 12" size bagged seedlings  Planting of P.B. Seedlings after tearing with blade and removing the polythene bags in trenches/pitss including scooping the soil to required depth, pressing the soil gently around the Seedlings after planting.  8" x 12" size bagged seedlings	1000	Pbs	4,467.35	1000	4,467.35
8	34(d)	Collection of Agave suckers of one foot and above height from field areas, and transportation to the plantattion area, including loading and unloading charges, for planting in the plantation -distance above 8 km.	1500	Nos.	2,404.01	1000	3,606.02
9	34(e)	Conveyanve of Agave suckers from plantation boundary to planting site on	1500	Nos.	585.5	1000	878.25
10	34(f)	head load Digging the earth by pickaxe to the required depth, planting of Agave seedlings in the plantation and pressing the soil around the seedling.	1500	Nos.	2,049.22	1000	3,073.83
11	28(e)	Weeding inside the trenches and on mounds of 4 Meter length trench	500	Trs	8.71	1	4,355.0
12	28(g)	Soil working the trenches by digging with pickaxe to a depth of 15 cm. and to a width of 60 cm. Starting from the lower edge of the trench towards the other side of the trench of 4 m length so as to loosen the soil uniformly including scraping around the plant before digging and reformation of damaged mounds during rains. (Trench mound should not be distrubed	500	Trs	16.95	1	8,475.00
13	Market	while soil working) Cost of chemical Fertilizer @ 25g/ plant	1000	Pits	50	Kg	1,250.0
13	Rate	Cost of Chemical Fortings & 223 Page		r or			1 1
14	38(e)	Application of chemical fertilizer around the plants about 15 cm. away in a furrow duly covering with soil (excluding the cost of fertilizer)		kg Plants	468.33	1000	468.3
15	28(f)	Scraping of grass and other weed growth around the trenches and mounds to a width of 60 cm on each side of trenches (4 meter length trench)	50	0 Trs	9.96	1	4,980.0
16	82	Fire Protection work in Plantations: New Fire Lines: Cutting of all existing weed growth to a width of 3 m. heaping, burning and re-burning in younger plantations	0.	4 KM/ per ha.	2,459.08		983.6
17		Watch and ward @ One Maz. for 10 ha. (i.e. 305 days @ 495.49 per day=1.51.124.45)		1 ha	1,51,124.45	10	15,112.4
18	2	Plantation Board, Miscellaneous and rounding off			L.S.		73,800.0
		Total	1			-	73,800.0
					1		
			TEXT !			11	_
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SI. No.	SSR Item No.	Sheet items are only indicative. Necessary site-specific modification wherever  Particulars of Works	Quant		Rate (Rs.) P		Amount (Rs.)
1	40 (a)	Re-opening of pits of size 0.30m x 0.30 m x 0.30m for replacement of	2.7	МЗ	70.27	1	189.73
2	23(d)	Loading & unloading of Polythene Bagged Seedlings:  Seedlings raised in 8" x 12" size bags		Pbs	2,342.01	1000	234.20
3	24(d)(iii)	Transportation: Transportation of polythene-bagged seedlings in hired truck from the nursery site to planting site (21-30 Km) Seedlings raised in 8" x 12" size bags:	100	Pbs	3,742.82	1000	374.28
4	25(d)	Conveyance of polythene-bagged seedlings on head load from the dumping site to planting location near each trench / pit (distance up to 3 Km)  8"x12" size bagged seedlings		Pbs	4,683.99	1000	468.40
5	26(c)	Watering by dipping: Watering polythene bagged seedlings at planting site by dipping in water, including carrying of water 8" x 12" size bagged seedlings	100	Pbs	995.33	1000	99.53
6	27(d)	Planting of P.B. Seedlings after tearing with blade & removing the polythene bags in trenches / pits including scooping the soil to required depth, pressing the soil gently around the seedlings after planting 8" x 12" size bagged seedlings	100	Pbs	4,467.37	1000	446.74
7	Market Rate	Cost of chemical Fertilizer @ 25g/ plant (for 1000 plants).		Kg	50.00	1	1,250.00
8	38(e)	Application of chemical fertilizer around the plants about 15 cm. away in a furrow duly covering with soil (excluding the cost of fertilizer)	1000	plant	468.33	1000	468.33
9	39(b)	Weeding inside the trenches and on mounds of 4 Meter length	500	Trs	8.71	1	4,355.00
10	39(d)	Soil working the trenches by digging with pickaxe to a depth of 15 cm. and to a width of 60 cm. starting from the lower edge of the trench towards the other side of trench of 4 m. length so as to loosen the soil uniformly including scraping around the plants before digging & reformation of damaged mounds during rains		Trs	11.73	1	5,865.00
11	39(c)	Scraping of grass and other growth around the trench of 4 m length to a width of 60 cm on each side of the trenches.		trenc h	8.71	1	4,355.00
12	40(g)	Karada and other pernicious grass cutting flush to the ground in highly problematic plantation areas where the grass is suppressing the plants	0.5	ha.	5,855.06	1	2,927.53
13	83(a)	Maintenance of Fire Line along Roadside, Plantation, Block and compartment boundaries :  a) Cleaning existing fire lines and fire tracing 3 m wide.	0.33	Km	1,463.70	1	483.02
14	83(b)	Maintenance of Fire Line along Roadside, Plantation, Block and compartment boundaries :  a) Re-sweeping and re-burning the above fire line.		Km	204.90	1	67.62
15		Watch and ward @ One Maz. for 10 ha. (i.e. 365 days @ 327.72 per day=119617.80).		ha.	180,853.00	10	18,085.30
16		Miscellaneous and rounding off					30.32
		GRAND TOTAL		T	,	-	39,700.00
18					h		
					Deputy Cons	anyatar of	forests
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# D: DATA SHEET FOR 2nd YEAR MAINTENANCE OF CA PLANTATION

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost.]

SI. No.	SSR Item No.	Particulars of Works	Quar	ntity	Rate (Rs.) Pe	er Unit	Amount (Rs)
1	Market Rate	Cost of Chemical Fertilizer @ 25gm/plant for 1000 plants	25	kg	50.00	1	1,250.00
2	38(e)	Application of chemical fertilizer around the plants about 15 cm. away in a furrow duly covering with soil (excluding the cost of fertilizer)	1000	plants	468.33	1000	468.33
3	42(c)	Weeding inside the trenches and on mounds of 4 meter length	500	Trs	8.24	1	4,120.00
4	42(d)	Soil working the trenches by digging with pickaxe to a depth of 15 cm. and to a width of 60 cm. starting from the lower edge of the trench towards the other side of trench of 4 m. length so as to loosen the soil uniformly including scraping around the plants before digging & reformation of damaged mounds during rains.	500	Trs	9.32	1	4,660.00
5	42(e)	Scraping of grass and other growth around the trench of 4 m length of a width of 60 cm. on each side of the trenches.	500	Trs	7.89	1	3,945.00
6	83(a)	Maintenance of fire line along roadside, Plantation, Block and compartment Boundaries:  Clearing existing fire lines and fire tracing 3 M wide.	0.33	Km	1,387.65	1	457.92
7	83(b)	Re-sweeping and re-burning the above fire line	0.33	Km	204.90	1	67.62
8		Watch and ward @ One Maz. for 10 ha. (i.e. 365 days @ 495.49 per day=180853.00).	1	ha.	180,853.00	10	18,085.30
9		Miscellaneous and rounding off					45.83
		TOTAL					33,100.00
5,71					80	11	0
					Deputy Conser Yellapur divis		

# E: DATA SHEET FOR 3rd/4th/5th YEAR MAINTENANCE CA PLANTATION

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost.]

SI. No.	SSR Item No.	Particulars of Works	Quai	ntity	Rate (Rs.) Pe	r Unit	Amount (Rs)
1	42(c)	Weeding inside the trenches and on mounds of 4 meter length	500	Trs	8.24	1	4,120.00
2	42(d)	Soil working the trenches by digging with pickaxe to a depth of 15 cm. and to a width of 60 cm. starting from the lower edge of the trench towards the other side of trench of 4 m. length so as to loosen the soil uniformly including scraping around the plants before digging & reformation of damaged mounds during rains.	500	Trs	9.32	1	4,660.00
3	83(a)	Maintenance of fire line along roadside, Plantation, Block and compartment Boundaries:  Clearing existing fire lines and fire tracing 3 M wide.	0.3	Km	1,387.65	1	416.30
4	83(b)	Re-sweeping and re-burning the above fire line	0.33	Km	204.90	1	67.62
5	00(0)	Watch and ward @ One Maz. for 10 ha. (i.e. 365 days @ 495.49 per day=180853.00).	1	ha	180,853.00	10	18,085.30
6		Miscellaneous and rounding off					50.79
0		Total					27,400.00
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-						601	
					Deputy Conserv	ator of fo	rests
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# F: DATA SHEET FOR 6th/ 7th/ 8th/ 9th/ 10th YEAR MAINTENANCE CA PLANTATION

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost.]

SI.	SSR	Particulars of Works	Qu	antity	Rate (Rs.)	Per Unit	Amount (Rs)
No.	No. 83(a)	Maintenance of fire line along roadside, Plantation, Block and compartment Boundaries:	0.33	Km	1,463.70	Per Km each side	483.02
2	83(b)	Clearing existing fire lines and fire tracing 3 M wide.  Re-sweeping and re-burning the above fire line	0.33	Km	204.90	Per Km each	67.62
3		Engaging fire watcher during fire season @ One Maz. for 10 ha. (i.e. 152 days - April & May, Jan to March @ 495.49 per day=75314.50)	1	Maz for 10 ha	75,314.50	10	7,531.45
4		Miscellaneous and rounding off  Total			-		8,100.00
					- (		
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