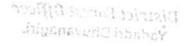


Raising of 4.60 ha BHA plantation in Ibrahimpur degraded Reserve Forest in Yadadri Bhuvanagiri District
(In lieu of diversion of 0.53 Ha. Forest land in Ibrahimpur R.F for use of approach road to access Patta lands in Sy.No.86 to 90 for Agriculture and transportation of materials & farm produce and other farm equipments in favour of Sri.Vidyasagar, Hyderabad)

SI.	Item of Work			2021 - 22			2022 - 23			2023 - 24			2024 - 25	;	1	2025 - 20	5		2026 - 27	li i
No	item of Work	Unit	Phy	Unit Cost	Fin	Phy	Unit Cost	Fin	Phy	Unit Cost	Fin	Phy	Unit Cost	Fin	Phy	Unit Cost	Fin	Phy	Unit Cost	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Planting activities (Baren Hill Afforestation) 400 plants per Ha																			
1	Advance cum raising		4.600	1.290	5,934								_							
2	1st Year Maintenance					4.600	0.368	1.693												
3	2nd Year Maintenance								4.600	0.405	1.863									
4	3rd Year Maintenance									71,111	1,005	4.600	0.051	0.235						
5	4th Year Maintenance											1.000	0.03.1	0.233	4.600	0.056	0.258	<u> </u>		
6	5th Year Maintenance														4.000	0.030	0.236	4.600	0.053	0.244
7	6th Year Maintenance												_					4.000	0.055	0.24
8	7th Year Maintenance																			
9	8th Year Maintenance														-					
10	9th Year Maintenance												\rightarrow							_
11	10th Year Maintenance																			
	Sub Total:				5.934			1.693			1.863			0.235			0.258	-		0.244
П	Administrative Cost - 10%				0.593			0.169			0.186		11	0.024			0.026			0.244
	Total year wise outlay of the project				6.527			1.862			2.049			0.259			0.284			0.268



		2	027 - 28			2028 - 29		-	2029 - 30			2030 - 31			2031-32		Grand	Total 🐰
SI. No	Item of Work	Phy	Unit	Fin	Phy	Unit Cost	Fin	Phy	Fin									
1	2	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
ı	Planting activities (Baren Hill Afforestation) 400 plants per Ha																	
Ĭ.	Advance cum raising		1														4.60	5.934
2	1st Year Maintenance																4.60	1.693
3	2nd Year Maintenance																4.60	1.863
4	3rd Year Maintenance																4.60	0.235
5	4th Year Maintenance																4.60	0.258
6	5th Year Maintenance																4.60	0.244
7	6th Year Maintenance	4.600	0.015	0.069													4.60	0.069
8	7th Year Maintenance				4.600	0.064	0.294										4.60	0.294
9	8th Year Maintenance							4.600	0.018	0.083							4.60	0.083
10	9th Year Maintenance										4.600	0.077	0.354				4.60	0.354
11	10th Year Maintenance													4.600	0.021	0.097	4.60	0.097
-	Sub Total:			0.069			0.294			0.083			0.354			0.097		11.124
п	Administrative Cost - 10%			0.007			0.029			0.008			0.035			0.010		1.111
	Total year wise outlay of the project			0.076			0.323			0.091			0.389			0.107		12.235

Forest Range Officer

Bhongir

Unit cost estimate for advance cum raising of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

Sl.No	R 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	440	150.00	1	66000
2	02.15.03	Digging of pits 60 cm3 manually and an inspection report regarding the correctness of the pit shall be submitted by FRO to DFO concerned. During June-July i) 60 cm3 size (0.216 cum) in Ordinary Soil (Manual)	Nos	400	46.25	1	18500
3	02.15.07	Internal transport of bag plants to planting points on head loads. 20 X 30 cm (8"X12") bag plants	Nos	400	198.80	100	795
4	02.20.01	Application of 50gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting.	Nos	400	37.40	100	150
5	02.20.02	Cost of SSP, Chloridine dust (50gm) or	Nos	400	0.50	1	200
6	02.20.04	Planting in 60 cm3 pit	Nos	400	924.65	100	3699
7	02.20.05	Watering (8 waterings) Waterings immediately after planting - 2. Watering from Jan to March @ 2 waterings / month - 6.	Nos	400	2018.00	100	8072
8	02.20.06	Replacement of Casualties: 10% during Raising Year . The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	original p raising 100% du year. transpo int transpor as adop	unit rate of itting during year and uring maint. Planting, rtation and tation same ated during ng year			
9	02.15.03	60 cm cube size in hard gravelly and moram Soil (Manual)	Each	40	23.13	Each	925
10		Internal transportation	Nos	40	198.80	100	80
11		Planting in 60 cm3 pit	Nos	40	924.65	100	370
12	02.20.07	Application of fertilizer					200
13		(a) Cost of DAP @ 25gm/planting point	Nos	400	0.70	1	280
14		(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	400	37.40	100	150
15		Weeding & Soil working					(2-20)
16	02.20.08	1 st circular weeding to a radius of 0.50 m around the plant after 30 days of planting		400	119.00	100	476

Sl.No	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
17	02.20.09	2 nd circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct)	Nos	400	119.00	100	476
18	02.20.10	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		400	625.00	100	2500
19	03.01.04	Formation of New Fire lines of 5.00 m width and cleaning of old fire lines if not maintained for last 5 years including burning		500	783.15	100 Rmt	3916
		Total					106589.00
			Unit Rate	for 2019 -20			106589
			Unit Rate	for 2020 -21			117248
			Unit Rate	for 2021 -22			128973

Forest Range Officer Bhongir

Unit cost estimate for I year maint. of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

SI. No	FSR Item	Item of work	Units	Qty	Rate	Per	Amount (Rs.)
1	Procuremen t	Cost of plants of 8"X12" size bag plants including transportation upto planting site (including 10% casualties)	Nos	40	150.00	Each	6000
2	02.21.01	Replacement of Casualties: 10% during 1st year. The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	100% of un original pitti raising year a during mai Planting, tran and inte transportatio adopted duri	ng during and 100% nt. year. asportation ernal n same as		4	
3	02.15.03	Pitting	Nos	40	46.25	Each	1850.00
4	02.15.07	Internal transportation	Nos	40	198.80	100 Nos.,	80.00
5	02.20.04	Planting in 60 cm ³ Pit	Nos	40	924.65	100 Nos.,	370.00
6	02.21.02	1st Ciriclar weeding to a radius of 0.5 Mts around the plant after 30days of planting (July - Aug)	Nos	400	119.00	100	476.00
7	02.21.03	2nd Ciriclar weeding to a radius of 0.5 Mts around the plant after 90days of planting (Sept-Oct)	Nos	400	119.00	100	476.00
8		Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec)					
9	02.21.04	For hard gravelly soil	Nos	400	625.00	100	2500.00
10	02.20.05	Watering (12 waterings) Waterings from April to June @ 2 waterings / month - 6. Watering from Jan to March @ 2 waterings / month - 6.	Nos	400	252.25	100	12108.00
11	02.20.07	Application of fertilizer					
12		(a) Cost of DAP @ 25gm/planting point	Nos	400	0.70	1	280.00
13		(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		400	37.40	100	150.00
14	02.21.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	Nos	400	118.35	100	473.00
15	03.03.07	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times		500	579.30	100 Rmt	2897
		Total					27660.00
		*	Unit Rate for 2	2019 -20			27660.00
			Unit Rate for 2	2020 -21			30426.00
		health remove a second	Unit Rate for 2	2021 -22			33469.00
		present of respire	Unit Rate for 2	2022 -23			36816.0

Forest Range Officer Bhongir

Unit cost estimate for II year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

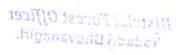
Sl.No	FSR Item No.	ltem of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
1		Cost of plants of 8"X12" size bag plants including transportation upto planting site (including 10% casualties)	Nos	40	150.00	cum	6000
2	02.21.01	Replacement of Casualties: 10% during 1 st year. The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	origina during r and 100 main Pla	unit rate of al pitting aising year 1% during tt. year. nting,			
3	02.15.03	Pitting		40	46.25	Each	1850.0
4	02.15.07	Internal transportation		40	198.80	100 Nos.,	80.0
5	02.20.04	Planting in 60 cm ³ Pit		40	924.65	100 Nos.,	370.0
6	02.22.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June	Nos	400	119.00	100	476.00
7	02.22.02	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	Nos	400	119.00	100	476.00
8		Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec)					
9	02.22.03	For hard gravelly soil	Nos	400	625.00	100	2500.00
10	02.20.05	Watering (12 waterings) Waterings from April to June @ 2 waterings / month - 6. Watering from Jan to March @ 2 waterings / month - 6.	Nos	400	3027.00	100	12108.00
11	02.22.07	Application of fertilizer					
12		(a) Cost of DAP @ 25gm/planting point	Nos	400	0.70	1	280.00
13		(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	400	37.40	100	150.00
14	02.21.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	Nos	400	118.35	100	473.00
15	03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	500	579.30	100 Rmt	2897
		Total					27660.00
,				Unit Rate f	or 2019 -20		27660.00
		ľ					30426.00
		Ì	Unit Rate for 2020 -21 Unit Rate for 2021 -22				
		ľ	Unit Rate for 2021 -22				
		Ì		2	or 2023 -24		36816.00 40498.00
		†		Jane House I			

Forest Range Officer Bhongir

District Forest Officer Yadadrian yanagiri.

Unit Rate for 2024 -25

44548.00



185

Unit cost estimate for III year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

SI. No	FSR Item No.	Item of work	Unit	Qty	Rate	Per	Amount (Rs.)
1	02.22.02	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	Nos	400	119	100	476
2	02.22.03	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec)					
3		For hard gravelly soil	Nos	400	625.00	100	2500
4	02.21.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	Nos	0	118.35	100	0
5	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	36	579.30	100 Rmt	209

Total 3185
Unit Rate for 2019 -20 3185
Unit Rate for 2020 -21 3504
Unit Rate for 2021 -22 3854
Unit Rate for 2022 -23 4239
Unit Rate for 2023 -24 4663
Unit Rate for 2024 -25 5129

Forest Range Officer Bhongir

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Unit cost estimate for IV year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

Sl.N o	FSR Item No.	Item of work	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.22.02	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	Nos	400	119	100	476
2	02.22.03	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec)					
		For hard gravelly soil	Nos	400	625.00	100	2500
3	02.21.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	Nos	0	118.35	100	0
4	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	36	579.30	100 Rmt	209
		Total					3185
		Unit Ra	te for 20	19 -20			3185
		Unit Ra	te for 20	20 -21			3504
		Unit Ra	te for 20	21 -22			3854
		Unit Ra	te for 20	22 -23			4239
		Unit Ra	te for 20	23 -24			4663
		Unit Ra	24 -25			5129	
		Unit Ra	te for 20	25 -26			5642

Joseph Stand Forest Range Officer
Bhongir



Unit cost estimate for V year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

SI. No	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.22.03	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil - upto 0.75 m - 1 time		400	625.00	100	2500
2	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times		36	579.30	100 Rmt	209
		Total					2709
				te for 201	9 -20		2709
			Unit Ra	te for 202	20 -21		2980
			Unit Ra	te for 202	21 -22		3278
			Unit Ra	te for 202	22 -23		3606
			Unit Ra	te for 202	23 -24		3966
			Unit Ra	te for 202	24 -25		4363
			Unit Ra	te for 202	25 -26		4799
			Unit Ra	te for 202	26 -27		5279

Hipone Forest Range Officer
Bhongir

Unit cost estimate for VI year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

	1					-	k 10.
Sl.No	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.21.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)		400	118.35	100	473
2	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times		36	579.30	100 Rmt	209
		Total					682
		×	Unit Rat	e for 201	9 -20		682
			Unit Rat	e for 202	0 -21		751
			Unit Rat	e for 202	1 -22		826
			Unit Rat	e for 202	2 -23	V	908
			Unit Rat	e for 202	3 -24		999
		'	Unit Rat	e for 202	4 -25		1099

Forest Range Officer Bhongir

District Forest Officer Yadadri Bhuvanagiri,

Unit Rate for 2025 -26

Unit Rate for 2026 -27

Unit Rate for 2027 -28

1209 1330

189

Unit cost estimate for VII year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

SI.N o	FSR Item No.	Item of work	Units	Qty	Rate	Per	Amount (Rs.)
1	02.22.03	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil - upto 0.75 m - 1 time	Nos	400	625.00	100	2500
2	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times		36	579.30	100 Rmt	209
		Total					2709
,			Unit Rat	2709			
			Unit Rat	e for 202	0 -21		2980
			Unit Rat	e for 202	1 -22		3278
			Unit Rat	e for 202	2 -23		3606
			Unit Rat	te for 202	3 -24		3966
			Unit Rat	e for 202	4 -25		4363
			Unit Rat	te for 202	5 -26		4799
			Unit Rat	e for 202	6 -27		5279
				te for 202	uni uni		5807
			Unit Rat	te for 202	8 -29		6388

ingensy Forest Range Officer Bhongir

District Forest Officer Yadadri Bhuyanagiri,

Unit Rate for 2029 -30

Unit cost estimate for VIII year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

Sl. No	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.21.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	4.757	400	118.35	100	473
2	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times		36	579.30	100 Rmt	209
		Total					682
			Unit Rate for 2019 -20			682	
			Unit Rate	e for 2020	-21		751
			Unit Rate	e for 2021	-22		826
			Unit Rate	e for 2022	-23		908
			Unit Rate	e for 2023	-24		999
			Unit Rate	e for 2024	-25		1099
			Unit Rate	e for 2025	-26		1209
			Unit Rate	e for 2026	-27		1330
			Unit Rate	e for 2027	-28		1463
				e for 2028	-29		1609
			Unit Rate		1770		
			Unit Rate	for 2030	-31		1947

Forest Range Officer Bhongir

District Forest Officer Yadadri Bhuvanagirl.

District Forest Officer Yadadri Bhuvanagiri,

Unit Rate for 2031 -32

Unit cost estimate for IX year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

Sl.No	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.22.03	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil - upto 0.75 m - 1 time	Nos	400	625.000	100	2500
2	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	36	579.30	100 Rmt	209
		Total					2709
			Unit Ra	ate for 20	19 -20		2709
			Unit Rate for 2020 -21				2980
			Unit Rate for 2021 -22				3278
	Unit Rate for 2022 -23				3600		
	Unit Rate for 2023 -24					3960	
			Unit Ra	ate for 20	24 -25		4363
			Unit Ra	ate for 20	25 -26		4799
			Unit Ra	ate for 20	26 -27		5279
			Unit Rate for 2027 -28			580	
			Unit Ra	ate for 20	28 -29		6388

Forest Range Officer Bhongir

Unit Rate for 2029 -30

Unit Rate for 2030 -31

Unit cost estimate for X year maint of BHA Plantation (@ 400 plants/ Ha in gaps) 2019-20

Sl.N o	FSR Item No.	Item of work	Units	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	02.21.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	Nos	400	118.35	100	473
2	03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	36	579.30	100 Rmt	209
		Total					682
			Unit Rate for 2019 -20				682
			Unit Rate for 2020 -21				751
			Unit Rate for 2021 -22				826
			Unit Rate for 2022 -23				908
			Unit Rat	e for 202	3 -24		999
			Unit Rat	e for 202	4 -25		1099
				e for 202	MO - 100 - 476 III		1209
				e for 202			1330
				e for 202	MA		1463
		"		e for 202			1609
			Unit Rate for 2029 -30				1770
			Unit Rate for 2030 -31			1947	
			Unit Rat	e for 203	1 -32		2142

Forest Range Officer Bhongir

193

Unit cost estimate for Planting of (5000 Nos) Agave suckers at Ibrahimpur RF Block during the year 2019-20

Sl. No	Description of items	FSR Item No.	Qty		Rate	Per	Amount
1	Cost of Agave Suckers	As per tender cost	5000	Nos	1.30	each	6500
2	Digging of crow-bar holes of 23 cm (9") deep and Planting crow-bar holes by end of June to facilitate good sprouting taking advantage of humidity.	03.02.06	5000	Nos	0.55	Each	2750.00

Total 9250.00

Total cost for 2020-21 10175.00

Total cost for 2020-21 11193.00

Forest Range Officer Bhongir