

**Government of Andhra Pradesh  
Forest Department**

Rc.No. 2427/2008/A4

Dated 15.07.2018.

Office of the Divisional Forest Officer  
Srikakulam



From  
Sri Ch. Santhi Swaroop, S.F.S.,  
Divisional Forest Officer,  
Srikakulam.

To  
The Divisional Forest Officer  
Near Ramakrishna Mission,  
Visakhapatnam.

Sir

Sub:- APFD – FCA, 1980 - Proposal for diversion of 2.40 Ha forest land in Pothukonda RF in Visakhapatnam Division for development of Sree Sree Sree Bhuvaneswari Devi Aradhanapeetam in favour of OM Bhuvanesari Sanstan Trust, Visakhapatnam – CA Scheme proposals furnishing – Regarding.

Ref:- 1. PCCF, Andhra Pradesh, Guntur Rc.No. 8005/2017/FAC-3, dt 04.09.2017.  
2. This Office Rc.No. 2427/2008/A4, dt 09.05.2018  
3. Forest Range Officer, Kasibugga Rc.No.181/2008/KSB, dt 06.06.2018.

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With references to the above, it is furnished herewith CA scheme proposals for Rs. 10.42 Lakhs for Raising and Maintenance of nurseries and plantations in Sy.No. 162/1 to an extent of 2.50 ha of Sunkidi village, Sompeta Mandal, Kasibugga Range Srikakulam District. In lieu of diversion of 2.40 Ha forest land in Pothukonda RF in Visakhapatnam Division for development of Sree Sree Sree Bhuvaneswari Devi Aradhanapeetam in favour of OM Bhuvanesari Sanstan Trust, Visakhapatnam. The field inspection notes and location map with Geographical co-ordinates pertaining to above Sy.No 162/1 as called for.

This is for favour of information and necessary action in this regard.

Yours faithfully

Encls: As above.

Divisional Forest Officer  
Srikakulam.

Copy submitted to the Chief Conservator of Forests, Visakhapatnam for favour of information.

## GAP PLANTING

Line Estimate for AR Planting @ 2775 plants for 2.50 Ha with espacement 3x3

Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
<b>Raising of nurseries</b>						
1	Site preparation for new sites - Clearing of growth, uprootal af stumps and removal of surface stones,rubbish of all sorts etc., at 1100 bags per bed	02-08-01	2775 no.	53.95	1100 no.	136.10
2	Cost and tranasport of ingradientis for Potting mixture Red Soil , sand,tank silt/ Clayey, FYM/ Vermicompost in 2:1:1:1 ratio. 12.5 cms x 22.5 cm (5" X 9" bags) 1.12 cum per 1000 no.) (2775/1000*1.12= 3.108 cum)	02-08-04	2775 no./ 3.108 cum.	571.78	1000 no.	1586.69
3	Preparation of potting mixture Red Soil, sand, tank silt / Clay , FYM / Vermicompost in 2:1:1:1 ratio by powdering of various ingradientis,sieving and mixing them in the prescribed proporation, Opening the bags and filling with potting mixture and gently pressing the same with finger tips and arrnging in beds.(12.5 cms x 22.5 cm (5" X 9" bags) 1.12 cum per 1000 no.) (2775/1000*1.12= 3.108 cum)	02-08-09	2775 no.	711.18	1000 Nos.	1973.52
4	Cost of polythene bags	02-08-13	8.34 kg.	154.98	1 kg.	1292.53
5	Picking out seedlings and transplanting in to bags	02-08-14	2775 no.	143.38	1000 no.	397.8795
6	Watering the bag plants twice a day for 10 m x 1 m size bed 1700 no. 5"x 9" bags)	02-08-18	2775 no./ 6 months	265.02	1700 no.	2595.64
7	Weeding the bag nursery (4 weedings NTSH species)	02-08-22	2775 no./ 6 weedings	51.08	1700 no.	500.28
8	Shifting and grading and re-arranging in beds for 10 m x 1 m (1700 Nos 5" X 9" bags)	02-08-23	2775 no./ 2 shiftings	214.70	1000 no.	154.74
9	Cost of chemicals,insecticides, pesticides etc.,rose cans and golemes etc.,	02-08-24	2775 no.	Ls	Ls	3000.00

Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
10	Application of pesticides for bag nursery	02-08-25	2775 no.	371.81	100 beds/ 1700 no.	189.63
11	Bio Fencing / Brush wood fencing for Nurseries, including collection , transportation and fixing at site.	RSSR (a) 24	350 rmt.	24.20	Rmt.	8470.00
12	Watering the bag plants twice a day for 10 m x 1 m size bed (1700 no. 5"x 9" bags) for 4 months	02-09-02	2775 no./ 4 months	265.02	1000 no.	2941.72
13	Weeding the bag nursery	02-09-05	2775 no./ 6 weedings	51.08	1000 no.	850.48
14	Shifting and grading and re-arranging in beds for 10 m x 1 m (1700 no. 5" X 9" bags)	02-09-06	2775 no./ 1 shiftings	214.70	1000 no.	595.79
15	Cost of cow dung slurry	02-09-07	2775 no.	As per actuals		1500.00
16	Applciation of cow dung slurry	02-09-08	2775 no.	212.21	1000 no.	588.88
17	Watering the bag plants twice a day for 10 m x 1 m size bed (1700 no. 5"x 9" bags) for 4 months	02-09-02	2775 no./ 4 months	265.02	1000 no.	2941.72
14	Shifting and grading and re-arranging in beds for 10 m x 1 m (1700 no. 5" X 9" bags)	02-09-06	2775 no./ 1 shiftings	214.70	1000 no.	595.79
19	Ground rent to the private nursery site for (4 months)	02-22-01	2775 no./ 4 months	24.97	1000 no.	277.17
20	Contingencies like nursery board etc.,	08-02-06	Ls		1 no.	2411.43
	<b>Total:</b>					<b>33000.00</b>
<b>Advance Operations during 2018-19</b>						
1	Survey with GPS (only staff to carry out) staff to carryout GPS survey. One manday is allowed for assistance.	03-01-01	2.50 ha	230.71	Plantation	576.78
2	Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc.(Medium jungle growth)	03-02-04	2.50 ha	9157.77	ha.	22894.43
3	Alingnment and staking	04-01-03	2775 no.	91.90	100 no.	2550.23
4	Cost of 0.45 mts. Stakes including transportation	04-01-05	2775 no.	49.20	100 no.	1365.30
5	Digging of 45 Cms cube pits in hard gravelli soils in sloppy areas of hillocks	RSSR	252.87 cum. for 2775 pits	207.93	cum.	52579.26
6	Formation of sector lines	03-03-00	400 rmt.	5.91	1 rmt.	2364.00
7	Contingencies unforcean expenditure	LS	LS	LS		1670.02
	<b>Total:</b>					<b>84000.00</b>

Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
<b>Maintenance of Nurseries (April to July / August) 4 Months during 2019-20</b>						
1	Watering the plants twice a day for 10 m x 1 m size bed (1100 6"x12" bags)	02-09-03	2775 no./ 4 months	331.28	1100 no./ 1 month	3342.92
2	Weeding maximum four times during maintenance year for 10 m x 1 m size bed 1100 6"x12" size bags	02-09-05	2775 no./ 4 months	51.08	1100 no./ Weeding	515.44
3	Shifting and grading and re-arranging in beds for 10 m 1 m size bed maximum two shifts (1100 6" x 12" size bags) only twice.	02-09-06	2775 no./ 2 shifts	214.70	1100 no./ 1 shift	1083.26
4	Cost of cow dung slurry	02-09-07		As per actuals		200.00
5	Application of cow dung slurry at the rate of 100 ml to 250 ml per plant depending upon the size of the plant monthly twice maximum of 3 times. (Once in raising and two times in maintenance) Note: Watering should not be done 12 hours before and after application.	02-09-08	2775 no. /2 times	212.21	1000 no./ 1 time	1177.77
6	Contingencies	LS	LS	LS	LS	680.62
	Total:					<b>7000.00</b>
	Add 10% for next year					700
						7700
	Add 10% for next year					770
	<b>Grand Total:</b>					<b>8470</b>
<b>Raising of Plantations during 2019-20</b>						
1	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead	04-03-03	2.50 ha./ 2775 no.	169.37	100 no.	4700.02
2	Internal transport of bag plants/root trainers to planting points on head loads.	04-05-03	2.50 ha./ 2775 no.	49.20	100 no.	1365.30
3	Cost of chemical fertilizers	04-11-01	2.50 ha./ 2775 no.	5000	Actuals	5000
4	Application of fertilizers	04-11-02	2.50 ha./ 2775 no.	38.12	100 no.	1057.83
5	Planting bag plants	04-12-02 (20 (e) ii	2.50 ha./ 2775 no.	3.60	each	9990.00
6	Replacement of Casualties 20%	04-23-01	2.50 ha./ 2775 no.			
	694 no. (a) Pitting 50% rate		63.24	104.00	Cmt	6576.96
	694 no. (b) Planting bag plants 3.55 each			3.60	each	1418.40
	Transportation of Bag plants		694	158.29	100 no.	1098.53



Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
	694 no. (d) Internal transport 44.96 / 100 no.			49.20	100 no.	341.45
7	1st Coppice cutting growth operation	04-16-02	2.50 ha./ 2775 no.	1561.62	ha.	3904.05
8	2nd Coppice cutting growth operation	04-16-02	2.50 ha./ 2775 no.	1561.62	ha.	3904.05
9	1st circular Weeding operation	04-14-03	2.50 ha./ 2775 no.	121.25	100 no.	3364.69
10	Formation of saucer around the plant	04-14-05 (A)	2.50 ha./ 2775 no.	178.51	100 no.	4953.65
	2nd circular weeding to a radius of 0.5 mt. around the plant	04-14-05 (B)		121.25	100 no.	3364.69
	Soil working to a radius of 50 cum. and to a depth of 15 cms around the plant	04-14-05 (C)		336.81	100 no.	9346.48
11	Fire tracing operation	04-17-00	500 rmt.	6.49	1 rmt.	3245.00
12	Pruning of lower foliage branches operation expected 500 no..	04-18-00	2775 no.	120.51	100 no.	3344.15
13	Providing Chine link fencing with all accessories etc.,	Ls	1000 Rmt	500.00	1 rmt.	500000
14	Contingencies unforcean expenditure	LS	LS	LS		3024.75
	Total:					570000
	Add 10% for next year					57000
						627000
	Add 10% for next year					62700
	Grand Total:					689700
<b>1st Year Maintenance of Plantations during 2020-21</b>						
1	Replacement of Casualties 20%	04-23-01	2.50 ha./ 2775 no.			
	694 nos (a) Pitting 50% rate			9.47	each	6572.18
	694 no. (b) Planting bag plants 3.55 each			3.60	each	2498.40
	694 no. (c) Transportation 133.41 / 100 no.			158.29	100 no.	1098.53
	694 no. (d) Internal transport 44.96 / 100 no.			49.20	100 no.	341.45
2	Cost of chemical fertilizers	04-23-02	2.50 ha./ 2775 no.	1000.00	Actuals	1000.00
3	Application of fertilizers	04-23-03	2.50 ha./ 2775 no.	38.12	100 no.	1057.83
4	1st circular Weeding operation	04-14-03	2.50 ha./ 2775 no.	121.25	100 no.	3364.69
5	Formation of saucer around the plant	04-14-05 (A)	2.50 ha./ 2775 no.	178.51	100 no.	4953.65
	2nd circular weeding to a radius of 0.5 m around the plant	04-14-05 (B)	2.50 ha./ 2775 no.	121.25	100 no.	3364.69

Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
	Soil working to a radius of 50 cms and to a depth of 15 cms around the plant	04-14-05 (C)	2.50 ha./ 2775 no.	336.81	100 no.	9346.48
6	1st Coppice cutting growth operation	04-16-02	2.50 ha./ 2775 no.	1561.62	ha.	3904.05
7	Fire tracing operation	04-17-00	500 rmt.	6.49	1 rmt.	3245.00
8	Contingencies unforcean expenditure	LS	LS	LS		1253.05
	<b>Total:</b>					<b>42000.00</b>
	Add 10% for next year					4200
						46200
	Add 10% for next year					4620
						<b>50820</b>
	Add 10% for next year					<b>5082</b>
	<b>Grand Total</b>					<b>55902</b>
<b>2nd Year Maintenance of Plantations during 2021-22</b>						
1	1st circular weeding operation	04-14-03	2.50 ha./ 2775 no.	121.25	100 no.	3364.69
2	1st Coppice cutting growth operation	04-16-02	2.50 ha./ 2775 no.	1561.62	ha.	3904.05
3	Formation of saucer around the plant	04-14-05 (A)	2.50 ha./ 2775 no.	178.51	100 no.	4953.65
4	2nd circular weeding to a radiousof 0.5 m around the plant	04-14-05 (B)	2.50 ha./ 2775 no.	121.25	100 no.	3364.69
5	Soil working to a radius of 50 cms and to a depth of 15 cms around the plant	04-14-05 (C)	2.50 ha./ 2775 no.	336.81	100 no.	9346.48
6	2nd Coppice cutting growth operation	04-29-02	2.50 ha./ 2775 no.	1419.65	ha.	3549.13
7	Pruning of lower foliage / branches of plants upto 1/3 hight for NTSH only.	04-29-03	2.50 ha./ 2775 no.	120.51	100 no.	3344.15
8	Fire tracing operation	04-17-00	500 rmt.	6.49	1 rmt.	3245.00
9	Contingencies unforcean expenditure	LS	LS	LS		928.17
	<b>Total:</b>					<b>36000.00</b>
	Add 10% for next year					3600
						39600
	Add 10% for next year					3960
						<b>43560</b>
	Add 10% for next year					<b>4356</b>
						47916
	Add 10% for next year					<b>4792</b>
	<b>Grand total</b>					<b>52708</b>

Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
<b>3rd Year Maintenance of Plantations during 2022-23</b>						
1	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows.	04-31-02	2.50 ha./ 2775 no.	1419.65	ha	3549.13
2	Formation of saucer around the plant (at the time of planting) during June/July	04-14-05 (A)	2.50 ha./ 2775 no.	178.51	100 no.	4953.65
3	Circular weeding to a radius of 0.50 m around the plants during Sept /Oct	04-30-01 (B)	2.50 ha./ 2775 no.	121.26	100 no.	3364.97
4	Soil working to a radius of 0.50 m and to a depth of 15 cm around the plant during Oct/Nov	04-30-01 (C)	2.50 ha./ 2775 no.	213.87	100 no.	5934.89
5	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows.	04-31-02	2.50 ha./ 2775 no.	1419.65	ha.	3549.13
6	Pruning of Lower foliage branches	04-31-03	2775 nos.	120.51	100 Nos	3344.15
7	Fire tracing operation by clearing all growth flush to the ground to a width of 3 m by scraping, control burning.	04-31-04	300 Rmt.	5.91	Rmt	1773.00
8	Contingencies	04-25-07	LS		ls	1531.09
	<b>Total:</b>					<b>28000.00</b>
	Add 10% for next year					2800
						30800
	Add 10% for next year					3080
						<b>33880</b>
	Add 10% for next year					<b>3388</b>
						37268
	Add 10% for next year					<b>3727</b>
						<b>40995</b>
	Add 10% for next year					<b>4099</b>
	<b>Grand total</b>					<b>45094</b>
<b>4th Year Maintenance of Plantations during 2023-24</b>						
1	Circular weeding to a radius of 0.50 m around the plants during Sept /Oct	04-30-01 (B)	2.50 ha./ 2775 no.	121.26	100 Nos	3364.97
2	Soil working to a radius of 0.50 m and to a depth of 15 cm around the plant during Oct/Nov	04-30-01 (C)	2.50 ha./ 2775 no.	213.87	100 Nos	5934.89
3	Pruning of Lower foliage branches	04-31-03	2775 nos.	120.51	100 Nos	3344.15
4	Fire tracing operation by clearing all growth flush to the ground to a width of 3 m by scraping, control burning.	04-31-04	300 Rmt.	5.91	Rmt	1773.00

Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
5	Contingencies	04-25-07	LS		ls	582.99
	<b>Total:</b>					<b>15000.00</b>
	Add 10% for next year					1500
						16500
	Add 10% for next year					1650
						<b>18150</b>
	Add 10% for next year					<b>1815</b>
						19965
	Add 10% for next year					<b>1997</b>
						<b>21962</b>
	Add 10% for next year					<b>2196</b>
						<b>24158</b>
	Add 10% for next year					2416
	<b>Grand total</b>					26573

#### 5thYear Maintenance of Plantations during 2024-25

1	Pruning of Lower foliage branches	04-31-03	2775 nos.	120.51	100 Nos	3344.15
2	Fire tracing operation by clearing all growth flush to the ground to a width of 3 m by scraping, control burning.	04-31-04	300 Rmt.	5.91	Rmt	2955.00
3	Contingencies	04-25-07	LS		ls	1000.85
	<b>Total:</b>					<b>7300.00</b>
	Add 10% for next year					730
						8030
	Add 10% for next year					803
						<b>8833</b>
	Add 10% for next year					<b>883</b>
						9716
	Add 10% for next year					<b>972</b>
						<b>10688</b>
	Add 10% for next year					<b>1069</b>
						<b>11757</b>
	Add 10% for next year					1176
						12932
	Add 10% for next year					<b>1293</b>
	<b>Grand total</b>					<b>14226</b>

#### 6thYear Maintenance of Plantations during 2025-26

1	Pruning of Lower foliage branches	04-31-03	2775 nos.	120.51	100 Nos	3344.15
2	Fire tracing operation by clearing all growth flush to the ground to a width of 3 m by scraping, control burning.	04-31-04	300 Rmt.	5.91	Rmt	2955.00
3	Contingencies	04-25-07	LS		ls	1000.85
	<b>Total:</b>					<b>7300.00</b>
	Add 10% for next year					730
						8030
	Add 10% for next year					803
						<b>8833</b>



Sl. no.	Item of work	FSR Item no.	Quantity	Rate	Per	Total Amount
1	2	3	4	5	6	7
	Add 10% for next year					883
						9716
	Add 10% for next year					972
						10688
	Add 10% for next year					1069
						11757
	Add 10% for next year					1176
						12932
	Add 10% for next year					1293
						14226
	Add 10% for next year					1423
	<b>Grand total</b>					<b>15648</b>

#### 7th Year Maintenance of Plantations during 2026-27

1	Pruning of Lower foliage branches	04-31-03	2775 nos.	120.51	100 Nos	3344.15
2	Fire tracing operation by clearing all growth flush to the ground to a width of 3 m by scraping, control burning.	04-31-04	300 Rmt.	5.91	Rmt	2955.00
3	Contingencies	04-25-07	LS		Is	1000.85
	<b>Total:</b>					<b>7300.00</b>
	Add 10% for next year					730
						8030
	Add 10% for next year					803
						8833
	Add 10% for next year					883
						9716
	Add 10% for next year					972
						10688
	Add 10% for next year					1069
						11757
	Add 10% for next year					1176
						12932
	Add 10% for next year					1293
						14226
	Add 10% for next year					1423
						15648
	Add 10% for next year					1565
	<b>Grand total</b>					<b>17213</b>
						<b>1042534</b>
						<b>or</b>
	<b>Total Budget required for 2.50 ha</b>					<b>1042000</b>

Divisional Forest Officer  
Srikakulam

*15/12/24*

## ABSTRACT

**BUDGET REQUIRED FOR 2.50 HA FOR RAISING AND MAINTENANCE OF PLANTATIONS INCLUDING NURSERY AND ADVANCE WORKS WITH NTSH UNDER LIM METHOD FOR COMPENSATORY AFFORESTATION SCHEME IN LIEU OF DIVERSION OF 2.40 HA OF FOREST LAND IN VISAKHAPATNAM DIVISION FOR DEVELOPMENT OF SREE SREE SREE BHUVANESWARI DEVI AARADHANAPETAM.**

Sl.no.	Plantation Model	Range/ Location	Area in ha	Area proposed for planting (in ha)	Raising of Nursery & Advance Works 2018-19	Raising of plantations 2019-20	1st Year Maint. Of Plantations 2020-21	2nd Year Maint. Of Plantations 2021-22	3rd Year Maint. Of Plantations 2022-23	4th Year Maint. Of Plantations 2023-24	5th Year Maint. Of Plantations 2024-25	6th Year Maint. Of Plantations 2025-26	7th Year Maint. Of Plantations 2026-27	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Raising of NTSH plantation under AR method (1110 Plants per ha.) (3x3 espacement)	Kasibugga / Sunkidi Village	2.50	2.50	1.17	6.98	0.56	0.53	0.45	0.27	0.14	0.15	0.17	10.42
Grand Total:			2.50	2.50	1.17	6.98	0.56	0.53	0.45	0.27	0.14	0.15	0.17	10.42

**Total C.A. cost is Rs. 10.42 lakh / 2.50 Ha.**

  
Divisional Forest Officer  
Srikakulam  
