

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From
Smt. B. Lavanya, IFS,
District Forest Officer
Jayashankar Bhupalpally District

To,
The Chief Conservator of Forests,
Kaleshwaram Circle,
JS Bhupalpally

Rc.No. 300/2018/TO , Dated:17.12.2022

Sir,

Sub:- TSFD - F(C) Act, 1980 - Diversion of 4.2339 Ha (recommended out of 8.50 ha proposed) of forest land for widening of single lane road to double lane road from Khammampally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District - Processed proposal submitted to Gol, MoEF&CC, RO Chennai - Revised CA Scheme- Reports submitted - Regarding.

Ref:- 1. Gol, MoEF&CC, RO (SEZ) Chennai, F.No. 4-TSC160/2019-CHN/0134, dt: 30.01.2020
2. PCCF, TS, Hyd, Rc.No. 1574/2018-FCA2, dt: 19.02.2020
3. DFO, JS Bhupalpally, Rc.No. 300/2018/TO, dt: 10.03.2020
4. FDO, Bhupalpally, Rc.No. 47/2018/TA, dt: 16.02.2020
5. DFO, JS Bhupalpally, Rc.No. 300/2018/TO, dt: 20.03.2020
6. PCCF, TS, Hyd, Rc.No. 1574/2018-FCA2, dt: 25.10.2021
7. PCCF, TS, Hyd, Rc.No. FC2/FC09/43/2022-FCA Section, dt: 25.07.2022
8. FDO, Bhupalpally, Rc.No. 47/2018/TA, dt: 07.09.2022
9. Dist. Collector, JS Bhupalpally, Rc.no. E/65/2017, dt: 07.09.2022
10. DFO, JS Bhupalpally, Rc.No. 300/2018/TO, dt: 15.09.2022
11. CCF, Kaleshwaram, Rc.No. 06/ARIS/FCA/KLSW/2022, dt: 12.10.2022
12. PCCF, TS, Hyd, Rc.No. 1574/2018-FCA2, dt: 19.11.2022

-ooOoo-

It is submitted that, the Pri. Chief Conservator of Forests (HoFF), TS, Hyderabad vide reference 12th cited above has requested to revise the CA Scheme duly deleting the following items for the proposed diversion of 4.2339 Ha (recommended out of 8.50 ha proposed) of forest land for widening of single lane road to double lane road from Khammampally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District.

Sl. No	Forest Protection component	Phy	Fin (Rs.In lakhs)
1	Construction of meeting hall for zonal office	1 No	20.00
2	Promotion of Eco tourism activities	1 No	10.00
Sub Total:			30.00

In this connection, it is submitted that, during formation of new Zonal system, O/o. CCF, Kaleshwaram Circle was established in Bhupalpally as head quarters and hence proposed for construction of meeting hall for zonal office at Bhupalpally, as there is not permanent building available at Bhupalpally head quarters.

Further, it is submitted that, as there is lot of scope of Eco-tourism promotional activities like Pandavulagutta, Boggulavagu project in Bhupalpally division of Jayashankar Bhupalpally District, and also on various occasions, local public representatives, Gram panchayats and district administration requested in meetings to provide basis amenities at eco-tourism locations where no works were taken up from last three years due to lack of revenue because of covid lock down.

File No.DFOJSB-TO/TO2/29/2022-OFFSUPDTDFOJSBPHY

Accordingly it is proposed for promotion of eco-tourism under Forest Protection component in CA Scheme.

In this connection, it is submitted that, after discussion with the UA, they are willing to pay the entire amount as per the CA scheme submitted for approval for the above project as the total cost of CA scheme is coming only to 3.5% of the project cost, which is within the permissible limit.

Therefore, the Chief Conservator of Forests, Kaleshwaram Circle, JS Bhupalpally is kindly requested to report the above facts to the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad for consideration and approval of CA scheme at the earliest in the view of importance and urgency of the project as expressed by District administration and user agency.

This is submitted for favour of kind information and necessary action.

Yours Faithfully,

Signed by Smt B.lavanya

Date: 17-12-2022 16:02:24

Reason: Approved

District Forest Officer
Jayashankar Bhupalpally District

Copy to the Forest Divisional Officer, Bhupalpally for information.

GOVERNMENT OF TELANGANA
OFFICE OF THE DISTRICT COLLECTOR -JAYASHANKAR BHUPALAPALLY

UNDERTAKING

Rc.No.E/65/2017

Date:07-09-2022

It is to certify that, Sy.No.1196/1 to an extent of Ac. 23.10 gts(9.34 ha) situated at Kothapally (SM) village of Bhupalpallymandal of Jayashankar Bhupalapally District is government land free from all encumbrances and encroachments. The said land is not assigned to any individuals/organizations. The District(R&B) Officer, Roads & Buildings Department, Jayashankar Bhupalpally has requested this office to allot an area of 35.649 Ha in lieu of diversion of forest land for the construction of various road projects in Jayashankar Bhupalpally district(shown below) under the Forest (Conservation), Act, 1980 towards compensatory afforestation and to be handed over to the forest department.

Sl.No	Name of the Road	Area to be diverted
1	Khammampally to Bhupalpally Road	4.234 Ha
2	Pegadapally to Medaram Road	7.04 Ha
3	Pasra to Bhupalpally Road	15.00 Ha
4	Dudekulapally to singaram Road	4.629 Ha
5	Nimmagudem to Kankanur Road	4.746 Ha
	Total CA Land required	35.649 Ha

In view of the above, I hereby undertake that the said land to an extent of Ac. 23.10 gts (9.34 ha) in sy.no 1196/1 situated at Kothapally (SM) village of Bhupalpally(M) will be transferred and mutated in the name of the forest department and handed over to forest department on receipt of Stage-I approval under the Forest (Conservation) Act, 1980 for the said Project, as I am competent to do so.

Signed by Bhavesh Mishra
I A S

Date: 07-09-2022 14:30:54

District Collector
Reason: Approved
Jayashankar Bhupalpally

//Anested//


Asst. Executive Engineer
(R&B) Section-Kataram

SITE SUITABILITY CERTIFICATE

The details of non-forest land offered to forest department in lieu of diversion applied for **diversion of 4.2339 Ha (recommended out of 8.50 Ha proposed) of Forest Land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District** which has been inspected by the undersigned **on 25.08.2022** is given below with Sy.No., extent, Village, Mandal and District, distance from nearest Forest Block, soil type:

Sl. No	Sy.No	Extent (in Ha)	Village	Mandal	District	Nearest Forest Block	Distance of Non-forest land from nearest forest block	Soil type
1	1196/1	4.2339 Ha	Kothapally (SM)	Bhupalpally	JS Bhupalpally	RF Bhagirhipet	2.1 Km	Sandy loam

The type of soil generally is Sandy loam and the land is Sloppy (sloppy/ hilly/ bouldary) and suitable for raising of forest species under LIM (SMM/ LI/ BHA Gap planting) technique as proposed and detailed in the CA scheme. The areas proposed for the C.A. Project are having forest growth with 0 - 0.1 density. Major thrust is required for development of Soil and Moisture retention capacity in the area. Major works such as Soil & Moisture conservation works and formation of Water harvesting structures shall be taken up during the 1st & 2nd years of the project to gain the impact of such structures over the vegetation growth in the proposed area. The land is free from all sorts of encumbrances and encroachments as per the Revenue authority's letter.

B. Laya 25/8/22
District Forest Officer,
Jayashankar Bhupalpally District

Compensatory Afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in Kothapally SM village of Bhupalpally Mandal of Jayashankar Bhupalpally District

Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammampally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District

1. Introduction of the Scheme:-

The District R&B Officer, Jayashankar Bhupalpally District has submitted the proposals for diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammampally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District.

As per the DGPS RAW data submitted by the Dist. R&B Officer, JS Bhupalpally, Mulugu, the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad vide Rc.No. FC2/FC09/43/2022-FCA Section, dt: 25.07.2022 has accepted and authenticated the DGPS RAW data of the Non-Forest Land for CA is estimate as follows.

Sl. No.	CA Land Proposed	Division	Mandal	Area_Ha	Perimeter in Mts
1	Part A	Bhupalpally	Bhupalpally	9.1159	1589.26
2	Part B			4.2236	965.32
3	Part C			0.9899	489.88
Total Area				14.3294	3044.46

The District Collector, JS Bhupalpally vide Rc.no. E/65/2017, dt: 07.09.2022 has given undertaking stating that, the NFL land identified to an extent of Acr 23.10 gts (9.34 Ha) in sy.no. 1196/1 in Kothapally (SM) village of Bhupalpally mandal and will be transferred and mutated in the name of forest department and handed over on receipt of Stage-I approval under FCAAct, 1980.

The part of the non-forest land to an extent of 4.2339 Ha is allocated to the proposed diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammampally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District.

2. Suitability of the Area:-

I have inspected the above CA NFL area on 25.08.2022 and noticed that area is Sandy Loam soils and the land is sloppy which is suitable for raising of forest species under LIM technique. The location details are as follows.

Sl No	Range	Mandal	Village	Sy.No	Area in ha	Planting technique	Species proposed	Espacement
1	Chelpur	Bhupalpally	Kothapally (SM)	1196/1	4.2339	LIM	Misc.	3x3

3. Planting Technique:-

Keeping the suitability and management point in view, it is proposed to raise miscellaneous species through LIM in 4.2339 Ha at an espacement of 3M x 3M (Misc).

As the area is having Sandy Loam soil, it is proposed 0.60 cm³ pit and transportation of imported soil is proposed in CA scheme. The scheme was prepared as per the FSR 2022-23 and provided 10% escalation in subsequent years.

The raising of nursery i.e., primary stock is proposed to raise in 6x8 Gusseted bags and proposed to convert into 9x11 bag size for raising of tall plants of above 200 mtrs. Advance works like clearance of miscellaneous growth will be taken up. Basal dressing with super phosphate will be done to boost up the root system. The digging of Staggered Contour Trenches (SCTs) 100 Nos per Ha is proposed in raising of plantation for impounding rain water. One weeding and soil workings are provided. The plantation will be provided with watcher upto 4th year maintenance of plantations and chain link fencing will be taken up before the planting activity. The entire area of CA NFL will be planted during 2024-25.

4. Forest Protection:

As the entire proposed road stretch is having good forest growth, the following are proposed under forest protection.

- a. Erection of 1.00 km chain link fencing around the CA NFL area.
- b. Construction of meeting hall for zonal office
- c. Promotion of Eco tourism activities

5. SMC works

The SMC works are proposed to avoid erosion of fertile soil and to soak the water fallen in the planting area and to recharge the ground water to keep the greenery intact

- a. Construction of Percolation Tank (1) No.
- b. Construction of Mini Percolation Tank (1) No.

6. Scheme Implementation Agency:-

The Forest Divisional Officer, Bhupalpally Division and the District Forest Officer, Jayashankar Bhupalpally District will be the project implementation and monitoring agency and works will be taken up through concerned Forest Range Officer. Raising of successful C.A. Plantation requires frequent inspections and close monitoring by the Forest Range Officer and senior officers.

7. Monitoring Mechanism :-

The Forest Divisional Officer, Bhupalpally Division and the District Forest Officer, Jayashankar Bhupalpally District will be closely monitoring the implementation of C.A. NFL scheme by regular inspection and ensuing maintenance of connected records like nursery journals, plantation journals, Cash books, work register, Measurement books, etc., Monthly Progress of planting and maintenance along with expenditure will be submitted to the Chief Conservator of Forests, Kaleswaram Circle, JS Bhupalpally and the Prl. Chief Conservator of Forests, T.S. Hyderabad. Other senior officers of Forest Department of Telangana and Chief Conservator of Forests (Central), Bangalore will also be monitoring the implementation of C.A. scheme.

8. Period of the scheme :-

Period of the scheme is for (11) years which includes Advance works and nursery raising, 1st year to 9th year of raising of plantations total (9) years of maintenance, commencing from 2023-24 to 2033-34.

9. Cost Structure:-

The cost of the scheme is worked out adopting present F.S.R. of 2022-23. The total year wise cost structure of the project to an extent of 4.2339 Ha., is shown in abstract of CA scheme. The details of requirement of funds and year wise action plan and unit costs of different planting techniques are shown in detailed CA Scheme. The Abstract of the scheme is as follows:

DETAILED ABSTARCT OF CA SCHEME FOR 4.2339 Ha in CA NFL

Sl. No	Item of Work	Total Outlay	
		Phy	Fin
I	Raising of Plants in Nurseries & their Maintenance		
1	Raising of Primary beds	6774 Nos	0.02655
2	Raising of Bag Plants of 6"x8"	6774 Nos	0.40915
3	Maintenance of Bag Plants of 6"x8"	6774 Nos	0.16095
4	Conversion of bag plants from 6"x8" to 9"x11"	6774 Nos	1.88520
5	Maintenance of Bag Plants of 9"x11"	6774 Nos	0.59835
Sub Total:			3.08020
II	Planting activities		
6	Advance Operations	4.2339 Ha	7.59138
7	Raising of Plantation	4.2339 Ha	3.38289
8	1st Year Maintenance	4.2339 Ha	2.92139
9	2nd Year Maintenance	4.2339 Ha	1.54961
10	3rd Year Maintenance	4.2339 Ha	1.52420
11	4th Year Maintenance	4.2339 Ha	1.75283
12	5th Year Maintenance	4.2339 Ha	0.80444
13	6th Year Maintenance	4.2339 Ha	0.88489
14	7th Year Maintenance	4.2339 Ha	0.80867
15	8th Year Maintenance	4.2339 Ha	0.88912
16	9th Year Maintenance	4.2339 Ha	0.97803
17	10th Year Maintenance	4.2339 Ha	1.07541
Sub Total:			24.16286
III	Forest Protection		
18	Erection of 1.00 km chain link fencing around the CA area.	1 Km	28.60000
19	Construction of meeting hall for zonal office	1 No	20.00000
20	Promotion of Eco tourism activities	1 No	10.00000
Sub Total:			58.60000
IV	SMC Work		
21	Construction of Percolation Tank	1 No	3.63000
22	Construction of Mini Percolation Tank	1 No	1.21000
Sub Total:			4.84000
10% Administrative cost			9.06831
Total year wise outlay of the project			99.75137

B. Laya 15/09/22
 District Forest Officer,
 Jayashankar Bhupalpally.
15.9.22

Compensatory afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in Kothapally SM village of
Bhupalpally Mandal of Jayashankar Bhupalpally District
Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammapally to
Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally
District

Sl. No	Item of Work	Phy	Unit Cost 2022.23 (Rs.)	2022 - 23			2023 - 24			2024 - 25			2025 - 26			2026 - 27		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
I	Raising of Plants in Nurseries & their Maintenance																	
1	Raising of Primary beds - Unit cost for (1) plant	Plant	0.392	6774	0.392	0.02655												
2	Raising of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	6.040	6774	6.040	0.40915												
3	Maintenance of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	2.160				6774	2.376	0.16095									
4	Conversion of bag plants from 6"x8" to 9"x11" - Unit Cost for (1) plant	Plant	25.300				6774	27.830	1.88520									
5	Maintenance of Bag Plants of 9"x11" - Unit Cost for (1) plant	Plant	8.030				6774	8.833	0.59835									
	Sub Total:					0.43570			2.64450			0.00000			0.00000			0.00000
II	Planting activities (4704 Plants)																	
6	Advance Operations	Ha	1.630		1.630		4.2339	1.793	7.59138									
7	Raising of Plantation	Ha	0.660		0.660			0.726		4.2339	0.799	3.38289						
8	1st Year Maintenance	Ha	0.518		0.518			0.570					4.2339	0.690	2.92139			
9	2nd Year Maintenance	Ha	0.250		0.250			0.275								4.2339	0.366	1.54961
10	3rd Year Maintenance	Ha	0.223		0.223			0.245										
11	4th Year Maintenance	Ha	0.234		0.234			0.257										
12	5th Year Maintenance	Ha	0.097		0.097			0.107										
13	6th Year Maintenance	Ha	0.097		0.097			0.107										
14	7th Year Maintenance	Ha	0.081		0.081			0.089										
15	8th Year Maintenance	Ha	0.081		0.081			0.089										
16	9th Year Maintenance	Ha	0.081		0.081			0.089										
17	10th Year Maintenance	Ha	0.081		0.081			0.089										
	Sub Total:					0.00000			7.59138			3.38289			2.92139			1.54961
III	Forest Protection																	
19	Erection of 1.00 km chain link fencing around the CA area	km	26.000		26.000		1	28.600	28.60000									
17	Construction of meeting hall for zonal office	No's	20.000		20.000					1	20.000	20.00000						
18	Promotion of Eco tourism activities	No's	10.000		10.000					1	10.000	10.00000						
	Protection Total					0.00000			28.60000			30.00000			0.00000			0.00000
IV	SMC Work																	
20	Construction of Percolation Tanks	No	3.000		3.000					1	3.630	3.63000						
21	Construction of Mini Percolation Tanks	No	1.000		1.000					1	1.210	1.21000						
	SMC Total					0.00000			0.00000			4.84000			0.00000			0.00000
VI	Administrative Cost - 10% over core activities					0.04357			3.88359			3.82229			0.29214			0.15496
	Total year wise outlay of the project					0.47927			42.71947			42.04518			3.21353			1.70457

Compensatory afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in Kothapally SM village of
Bhupalpally Mandal of Jayashankar Bhupalpally District
Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammapally to
Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally
District

Sl. No	Item of Work	Phy	Unit Cost 2022-23 (Rs.)	2027 - 28			2028 - 29			2029 - 30			2030 - 31			2031 - 32		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
I	Raising of Plants in Nurseries & their Maintenance																	
1	Raising of Primary beds - Unit cost for (1) plant	Plant	0.392															
2	Raising of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	6.040															
3	Maintenance of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	2.160															
4	Conversion of bag plants from 6"x8" to 9"x11" - Unit Cost for (1) plant	Plant	25.300															
5	Maintenance of Bag Plants of 9"x11" - Unit Cost for (1) plant	Plant	8.030															
	Sub Total:					0.00000			0.00000			0.00000			0.00000			0.00000
II	Planting activities (4704 Plants)																	
6	Advance Operations	Ha	1.630															
7	Raising of Plantation	Ha	0.660															
8	1st Year Maintenance	Ha	0.518															
9	2nd Year Maintenance	Ha	0.250															
10	3rd Year Maintenance	Ha	0.223	4.2339	0.360	1.52420												
11	4th Year Maintenance	Ha	0.234				4.2339	0.414	1.75283									
12	5th Year Maintenance	Ha	0.097							4.2339	0.190	0.80444						
13	6th Year Maintenance	Ha	0.097										4.2339	0.209	0.88489			
14	7th Year Maintenance	Ha	0.081													4.2339	0.191	0.80867
15	8th Year Maintenance	Ha	0.081															
16	9th Year Maintenance	Ha	0.081															
17	10th Year Maintenance	Ha	0.081															
	Sub Total:					1.52420			1.75283			0.80444			0.88489			0.80867
III	Forest Protection																	
19	Erection of 1.00 km chain link fencing around the CA area.	km	26.000															
17	Construction of meeting hall for zonal office	No's	20.000															
18	Promotion of Eco tourism activities	No's	10.000															
	Protection Total					0.00000			0.00000			0.00000			0.00000			0.00000
IV	SMC Work																	
20	Construction of Percolation Tanks	No	3.000															
21	Construction of Mini Percolation Tanks	No	1.000															
	SMC Total					0.00000			0.00000			0.00000			0.00000			0.00000
VI	Administrative Cost - 10% over core activities					0.15242			0.17528			0.08044			0.08849			0.08087
	Total year wise outlay of the project					1.67662			1.92811			0.88488			0.97338			0.88954

Compensatory afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in
Kothapally SM village of Bhupalpally Mandal of Jayashankar Bhupalpally District
Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road
from Khammapally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of
District R&B Officer, Jayashankar Bhupalpally District

Sl. No	Item of Work	Phy	Unit Cost 2022.23 (Rs.)	2032- 33			2033- 34			2034- 35			Total	
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Fin
1	2	3	4	35	36	37	36	37	36	37	36	37	36	37
I	Raising of Plants in Nurseries & their Maintenance													
1	Raising of Primary beds - Unit cost for (1) plant	Plant	0.392										0	0.02655
2	Raising of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	6.040										0	0.40915
3	Maintenance of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	2.160										6774	0.16095
4	Conversion of bag plants from 6"x8" to 9"x11" - Unit Cost for (1) plant	Plant	25.300										6774	1.88520
5	Maintenance of Bag Plants of 9"x11" - Unit Cost for (1) plant	Plant	8.030										6774	0.59835
	Sub Total:					0.00000			0.000			0.000		3.08020
II	Planting activities (4704 Plants)													
6	Advance Operations	Ha	1.630										4.2339	7.59138
7	Raising of Plantation	Ha	0.660										4.2339	3.38289
8	1st Year Maintenance	Ha	0.519										4.2339	2.92139
9	2nd Year Maintenance	Ha	0.250										4.2339	1.54961
10	3rd Year Maintenance	Ha	0.223										4.2339	1.52420
11	4th Year Maintenance	Ha	0.234										4.2339	1.75283
12	5th Year Maintenance	Ha	0.097										4.2339	0.80444
13	6th Year Maintenance	Ha	0.097										4.2339	0.88489
14	7th Year Maintenance	Ha	0.081										4.2339	0.80867
15	8th Year Maintenance	Ha	0.081	4.2339	0.210	0.88912							4.2339	0.88912
16	9th Year Maintenance	Ha	0.081				4.2339	0.231	0.97803				4.2339	0.97803
17	10th Year Maintenance	Ha	0.081							4.2339	0.254	1.07541	4.2339	1.07541
	Sub Total:					0.88912			0.97803			1.07541		24.16286
III	Forest Protection													
19	Erection of 1.00 km chain link fencing around the CA area.	km	26.000											28.60000
17	Construction of meeting hall for zonal office	No's	20.000											20.00000
18	Promotion of Eco tourism activities	No's	10.000											10.00000
	Protection Total					0.00000			0.000			0.000		58.60000
IV	SMC Work													
20	Construction of Percolation Tanks	No	3.000											3.63000
21	Construction of Mini Percolation Tanks	No	1.000											1.21000
	SMC Total					0.00000			0.00000			0.00000		4.84000
VI	Administrative Cost - 10% over core activities					0.08891			0.09780			0.10754		9.06831
	Total year wise outlay of the project					0.97803			1.07583			1.18295		99.75137

District Forest Officer,

Jayashankar Bhupalpally District

UNIT COST FOR RAISING OF Misc. PRIMARY BEDS NURSERY FOR THE YEAR 2022-23 (FSR 2022-23)

UNIT COST FOR RAISING OF Misc. PRIMARY BEDS NURSERY FOR THE YEAR 2022-23								
Sl. No.	FSR item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
		PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium.						
1	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	1	Bed	5.73	1	5.73	
2	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	1	Bed	44.16	1	44.16	
3	01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	1	Bed	33.4	1	33.40	
4	01.01.05	For every extra km beyond 5 km upto 25 km(20x 1.27=25.40)	1	Bed	1.39	1	27.80	
5	01.01.06	Cost and transport of 0.025 cum FYM	1	Bed	28.71	1	28.71	
6	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and lavelling.	1	Bed	12.56	1	12.56	
7	01.01.08	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	1	Bed	14.35	1	14.35	
8	01.01.09	Soil drenching with 0.1% Carbendazim (10 gm or 10 ml of Carbendazim in 1 lit of water)			By Nursery Watcher			
9	01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds			As per special instruction under FSR		300	
10	01.01.11	Seed dressing with Captan or Thiram at 3-5 gm / kg of seeds (the insecticide should be mixed with 250 gm of ash and then this should be thoroughly mixed with seeds to be sown after pretreatment and before sowing)			By Nursery Watcher			
11	01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and bradcasted - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm with paddy hay including cost and conveyance	1	Bed	14.30	1	14.30	
12	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	1	Bed	16.09	1	32.18	
14	01.01.15	Cost of chemicals, fungicide and insecticide		As per actuals limited to Rs. 1000/- per 1 lakh seedlings in primary bed stage			200.00	
15	01.01.16	Application of Fungicide and insecticide with power-driven back-pack mechanized sprayer as used in agricultural fields to spray insecticide.	1	By Nursery Watcher				
							713.19	
		Rasing of seedlings 110% for abtaining 100%		10%			71.32	
		Grand Total					784.51	
		cost of each plant (2000 plants per bed) - 2022-23					0.39226	

Unit Cost for 2023-24

0.431486

Unit Cost for 2024-25

0.474635

District Forest Officer,
Jayashankar Bhupalpally District

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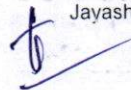
UNIT COST FOR RAISING OF 1,00,000 BAG PLANTS NURSERY FOR 2021-22 (size of bag 6"x 8") (FSR 2022-23)

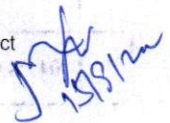
Sl. No.	Item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
	01.03.00	BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in February - March. Hence the bags are to be filled during January-February when the soil is dry.						
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary beds (Bed size: 10 X 1 M).						
	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	91	Bed	57.42	1	5225	
		Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.						
	01.03.03	(b) 15.00 cm x 20.00cm(6" x 8") size bags: 250 g: 275 Nos / kg	400	Kgs	156.00	1	62400	
	01.03.04	Cost & 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.						
	01.03.05	<i>Distance up to 5 km</i>						
		(c) 15.00 Cm X 20.00 cm(6" X 8") size Gusseted Polybags of 250 gauge : 1.433 Cu.m Volume for 1000 bags	100000	Bags	584.31	1000	58431	
	01.03.06	<i>For every extra km beyond 5 km upto 25 km</i>						
		(c) 15.00 Cm X 20.00 cm(6" X 8") size Gusseted Polybags of 250 gauge : 1.433 Cu.m Volume for 1000 bags	100000	Bags	15.95	1000	31900	
	01.03.07	Cost of Chemical component			As per Actuals		12000	
	01.03.08	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.						
		(c) 15.00 Cm X 20.00 cm(6" X 8") 1100 bags per bed	100000	Bags	1155.83	1000	115583	
	01.03.09	Allignment of beds including allignment of inspection paths etc	91	Bed	8.80	1	801	
	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	40000	Bags	162.88	1000	6515	
	01.03.11	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	60000	Bags	96.89	1000	5813	
	01.03.12	Watering the plants twice a day from Oct - March						
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe (6 months)	91	Bed / month	316.15	1	172618	
	01.03.13	Weeding to be done for every 2 months from the date of transplantation up to March.	91	Bed / weeding	58.05	1	15848	
	01.03.14	1st Shifting, Grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted.	91	Bed / weeding	271.17	1	49353	
	01.03.15	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	10	Bed	76.98	1	770	
	01.03.16	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from February to March.		As per actuals with a maximum limit of Rs 2000/ per 1 lakh polybag seedlings.			2000	

Sl. No.	FSR item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
	01.03.17	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)			By Nursery Watcher		0.00	
	01.03.18	Weeding in the space between the beds, inspection path and surroundings of Nursery	91	Bed	39.59	1	3603	
	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 m 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 m 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 1 m x 1 m size. However, the above narrative is subject to the provisions cited under general instructions.	6	Month	10137.32	1	60824	
		LS amount					316	
		Total			Rate per 1,00,000 nursery		604000	

Rate Per Bag (2022-23)	Rs	6.040
Rate Per Bag (2023-24)	Rs	6.644
Rate Per Bag (2024-25)	Rs	7.308

District Forest Officer,
Jayashankar Bhupalpally District




19/8/24

UNIT COST FOR MAINTENANCE OF BAG PLANTS NURSERY FOR 2022-23 (6"x8") (100000 Nos)(FSR 2022-23)

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
	01.04.00	MAINTAINANCE YEAR OF NURSERY					
		MAINTENANCE 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"& 6"x8" 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					
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe . (4 months i.e April to July 2022)	91	Bed /month	316.14	1	115075
			91	Bed / weeding	58.05	1	5283
	01.04.02	Weeding <i>once</i> during maintenance year	91	Bed / shifting	271.17	1	24676
	01.04.03	Shifting, grading and re-arranging in beds					
	01.04.04	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from April to August) alternatively. Similarly, application of multiplex or NPK 19:19:19 (1 teaspoon in 1 lit water) - once in a month - to be applied by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)		By Nursery Watcher		0	
	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides (from April - August)		As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings		2000	
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray <i>or</i> apply cowdung slurry - not both)					
		(a) Cost and transportation of fresh cowdung		per 100 beds for 3 months	As per actual subject to maximum of Rs.2500/-		2500
		(b)Application of cowdung slurry - only once between April to June - <i>Watering should not be done 12 hours before and after application of cowdung slurry treatment.</i>		1000 bags	By Nursery Watcher		0
	01.04.07	Weeding in the space between the beds, inspection path and sorroundings of Nursery	91	Beds	31.95	1	2907
		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 m 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 m x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary 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 1 m x1 m size. However, the above narrative is subject to the provisions cited under general instructions. (April to August)	5	Month	10137.32	1	50687
							203128

01.04.08	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, (store register for materials purchased to be maintained).		As per actuals, subject to max. of 3 % of estimate in Maint. Year.		6094	
01.03.09	Contingencies for Electricity charges, Running & maintainance charges of oil engines (bills to be certified by DFO/FDO) and a separate logbook to be maintained for oil engine.				6778	
			Rate per 1,00,000 nursery		216000	

Rate Per Bag (2022-23) Rs 2.160
Rate Per Bag (2023-24) Rs 2.376
Rate Per Bag (2024-25) Rs 2.614

B. Singh
District Forest Officer,
Jayashankar Bhupalpally District
5/8/24

Sl. No	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
13	01.03.36	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, (store register for materials purchased to be maintained).		As per actuals, subject to max. of 3 % of estimate in raising year		51709	
12	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 m 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 m 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 1 m x 1 m size. However, the above narrative is subject to the provisions cited under general instructions.	7	Watcher/Month	10137.32	1	709612
14	01.03.37	Contingencies for Electricity charges, Running & maintainance charges of oil engines (bills to be certified by DFO/FDO) and a separate logbook to be maintained for oil engine.		As per Actuals		45030	
		Total	Rate per 1,00,000 nursery			2530000	

Rate Per Bag (2022-23)	Rs	25.300
Rate Per Bag (2023-24)	Rs	27.830
Rate Per Bag (2024-25)	Rs	30.613
Rate Per Bag (2025-26)	Rs	33.674

B. L. Singh
District Forest Officer,
Jayashankar Bhupalpally District

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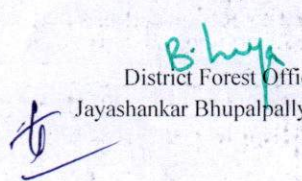
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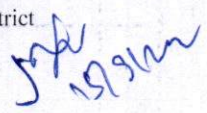
UNIT COST FOR MAINTENANCE OF BAG PLANTS NURSERY FOR 2022-23 (9"x11") (100000 Nos) (FSR 2022-23)

Sl. No.	FSR item No	Nature of work	Qty		Rate	Unit	Amount	Remarks
	01.04.00	MAINTAINANCE YEAR OF NURSERY						
		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" X 9" 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						
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe	200	Bed /month	316.14	1	252912	
	01.04.02	Weeding <i>once</i> during maintenance year	200	Bed / weeding	58.05	1	11610	
	01.04.03	Shifting, grading and re-arranging in beds	200	Bed / shifting	271.17	1	54234	
	01.04.04	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from April to August) alternatively. Similarly, application of multiplex or NPK 19:19:19 (1 teaspoon in 1 lit water) - <i>once</i> in a month - to be applied by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	200	By Nursery Watcher			0	
	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides (from April - August)	200	As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings			1000	
	01.04.06	Cowdung Slurry application (<i>One can apply chemical foliar spray or apply cowdung slurry - not both</i>)						
		(a) Cost and transportation of fresh cowdung		per 100 beds for 3 months	As per actual subject to maximum of Rs.2500/-		2500	
		(b)Application of cowdung slurry - only once between April to June - <i>Watering should not be done 12 hours before and after application of cowdung slurry treatment.</i>		1000 bags	By Nursery Watcher		0	
	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	200	Beds	31.95	1	6390	
		Nursery Watcher from April to August for 5 Months	5	Month	9654.59	1	48273	
							376919	
	01.04.08	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, (store register for materials purchased to be maintained).		As per actuals, subject to max. of 3 % of estimate in Maint. Year.			11308	

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 m 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 m 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 1 m x 1 m size. However, the above narrative is subject to the provisions cited under general instructions.	4	Watcher/ Month	10137.32	1	405493
01.04.09	Contingencies for Electricity charges, Running & maintenance charges of oil engines (bills to be certified by DFO/FDO) and a separate logbook to be maintained for oil engine.					9280
		Rate per 1,00,000 nursery				803000

Rate Per Bag (2022-23)	Rs 8.030
Rate Per Bag (2023-24)	Rs 8.833
Rate Per Bag (2024-25)	Rs 9.716
Rate Per Bag (2025-26)	Rs 10.688


 District Forest Officer,
 Jayashankar Bhupalpally District


 19/9/24

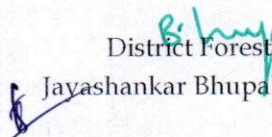
UNIT COST FOR ADVANCE OPERATIONS UNDER LI METHOD- (3m X 3m espacement) (FSR 2022-23)

Unit area 1.00 Ha,

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit		Amount
1	02.01.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform latest by December end.	1	412.87	1	Plantation	413
2	02.01.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. All the above operations should be completed before December.					
		a) Spae Jungle Growth (<10% ground area covered with Jungle growth)	0.30	2294.70	1	Ha	688
		(b) Very Light Jungle Growth (>10% and upto 20% ground area covered with Jungle growth)	0.30	3449.20	1	Ha	1035
		(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.40	8103.38	1	Ha	3241
3	02.01.03	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level. This operation is applicable for plantations other than Semi- Mechanical Plantation.	150.00	6.77	1	Rmt	1016
4	02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to the site	1111	62.80	100	Nos	698
5	02.01.05	Allignment & Stacking including demarcation of baseline					
		a) 3x3 m espacement = 1111 planting points	1111	98.51	100	Nos	1094
6	02.15.03	Digging of pits is to be done manually or by machine by calling tenders and an inspection report regarding the correctness of the pit shall be submitted by FRO to DFO /FDO concerned. The pit sizes for Avenue Plantations are 60 cm³ /100 cm³.					
		a) During June - July					
		ii) 60 cm ³ size (0.216 cum) in hard gravelly and moram Soil (Manual)	1111	66.91	1	Nos	74337
7	13% on Rs. 66.91	IMPORT OF LABOUR at P.No. 9 of FSR 2022-23 (i) 13% extra on the labour component is allowed with specific permission of Circle Head concerned towards importing labour and providing amenities such as shelter, drinking water etc., importing labour should be considered only when the local labour are not available. The District Forest Officers / Forest Divisional Officers shall obtain written prior permission of the Circle Head to import the labour and will furnish a certificate about the non-availability of local labour.	1111	8.70	1	Nos	9666

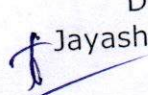
		Imporing of soil including cost and conveyance etc. (1111x.6x.6x.6=239.98 50% = 119.99 or say 120 Cum)	120	350.31	1	Cum	42037
8		Internal transportation of Earth soil including loading and unloading	120	74.29	1	Cum	8915
	13% on Rs. 74.29	IMPORT OF LABOUR at P.No. 9 of FSR 2022-23 (i) 13% extra on the labour component is allowed with specific permission of Circle Head concerned towards importing labour and providing amenities such as shelter, drinking water etc., importing labour should be considered only when the local labour are not available. The District Forest Officers / Forest Divisional Officers shall obtain written prior permission of the Circle Head to import the labour and will furnish a certificate about the non-availability of local labour.	120	9.66	1	Cum	1159
7	02.01.08	Digging of Staggered Contour Trenches (SCTs) for impounding rain water (Size: 3m Length, 0.45 m top-width, 0.30 m bottom-width and 0.45 m depth; earthwork volume per trench: 0.506 cum - Max. of 100 no. per ha.) (1x 100 x 0.506 =50.60 Cum)					
		b) Hard soils like gravel and morum	50.60	361.99	1	Cum	18317
		Misc. amount					384
		TOTAL		Rate per Ha			163000

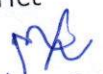
Rate Per Ha (2022-23) Rs 1.630 Lakhs
 Rate Per Ha (2023-24) Rs 1.793 Lakhs
 Rate Per Ha (2024-25) Rs 1.972 Lakhs
 Rate Per Ha (2025-26) Rs 2.169 Lakhs

District Forest Officer,
 Jayashankar Bhupalpally District



DATA SHEET (CSSR 2022-23)

S. No	Description	Unit	Qty	Rate in Rs.	Amount in Rs.
1	Loading and unloading of Imported soil				
	Conveyance charges for material by Head Loads for 100 mts				84.40
	Total Lead upto 100 mts				-10.11
	Deduct 13.615 charges			Per cum	74.29
	Cost of Soil				
2	Imporing of soil including excavation, leads, lifts, filling etc., ($1111 \times 0.6 \times 0.6 \times 0.6 = 239.98$ 50% = 119.99 or say 120 Cum)				
	Cost of Earth	Cum	1	72	72.00
	Upto 5 Kms @113.60 (Deduct initial lead)	Km	5		71.00
	Beyond 5.00 kms up to 20 Kms @ 17.00	Km	15		255.00
					398.00
					-47.69
	Deduct 13.615 charges				350.31
				Per cum	424.60

 District Forest Officer,
 Jayashankar Bhupalpally District


 15/9/22

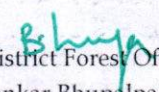
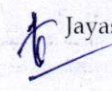
UNIT COST FOR RAISING OF PLANTATION UNDER LABOUR INTENSIVE METHOD (3m X 3m espacement) (FSR 2022-23)

Unit area 10.00 Ha,

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
		PLANTATION					
	II	RAISING OF BLOCK PLANTATIONS					
	02.01.00	LABOUR INTENSIVE METHOD (LI METHOD)					
	02.02.	PLANTING OPERATIONS DURING RAISING YEAR					
1	02.02.01	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km					
		(d) 23 X 28 cm (9"X11") bag plants	No.	11110	294.83	100	32756
2	02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance					
		(d) 23 X 28 cm (9"X11") bag plants	No.	11110	10.36	100	23020
3	02.02.04	Internal transportation to planting points on head loads					
		(d) 23 X 28 cm (9"X11") bag plants	No.	11110	181.73	100	20190
		<i>PLANTING: Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)</i>					
4	02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water)	No.	11110	43.29	100	4810
5	02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (50 g x 1111 / 1000 / 50 = 1.11 Bags)	Bag	11110	1.1	1	12221
6	02.02.07	Planting in various size pits					
		c) Planting in 60 cm ³ Pit	No.	11110	1070.40	100	118921
7	02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell					
		a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	No.	11110	292.02	100	32443
		b) 2nd watering if dry spell is more than 5-6 days after first watering on the day of planting with the prior written permission of Circle Head.	No.	11110	292.02	100	32443
		Replacement of Casualties					
8	02.02.10	Replacement of Casualties: 20% during Raising Year . The casualty replacement should be done in 3 stages at an intervals of 15 days immediately after planting during raising year. 50% of unit rate of original pitting during raising year. Planting, trans					
		a) Pitting (50% of Original Rate Rs.53.54 x 50% = Rs.26.77)	Each	2222	33.46	1	74348
		b) Transportation of Seedlings- up to 5Kms	No.	2222	294.83	100	6551
		- 5 to 25Kms	No.	2222	10.36	100	4604
		c) Internal transporation	No.	2222	181.73	100	4038
		d) Planting	No.	2222	1070.40	100	23784
9	02.02.11	Cost of DAP @ 25 gm / planting point					11000
10	02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application	No.	11110	43.29	100	4810
11	02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	No.	11110	137.76	100	15305
12	02.02.14	Circular weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	No.	11110	137.76	100	15305
13	02.02.15	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)					
		a) For Hard soil	No.	11110	723.51	100	80382
14	02.02.16	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	Ha	10	1613.26	1	16133

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
15	02.02.17	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	No.	11110	137	100	15221
16	02.02.19	Enumeration of row-wise survival and average growth twice in the raising year - Number of plants planted and Number surviving (to be undertaken during May and Dec) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
17	02.02.20	Contingencies provision for Raising of plantaitons:					
		i) Fixing of Plantation Boards and Corner Stones	No.	1	As per actuals		11454
		ii) Contingencies and Miscellaneous					5000
18	02.02.21	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha.	Month	9	10137.32	1	91236
	02.02.22	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed based on CF's proposal along with field inspection report and photographs with prior written approval of the PCCF (HoFF). The weed removal shall be completed before September-end (before flowering).	Ha	1	4025.12	1	4025
			Rate per 10 Ha			Total	660000

Rate Per Ha (2022-23) Rs 0.660 Lakhs
 Rate Per Ha (2023-24) Rs 0.726 Lakhs
 Rate Per Ha (2024-25) Rs 0.799 Lakhs
 Rate Per Ha (2025-26) Rs 0.879 Lakhs


 District Forest Officer,
 Jayashankar Bhupalpally District


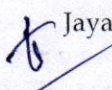

**UNIT COST FOR 1st YEAR MAINTENANCE PLANTATION UNDER LABOUR INTENSIVE METHOD -
(3m X 3m espacement) (FSR 2022-23)**

Unit area 10.00 Ha,

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.03.00	1ST YEAR MAINTAINANCE -LIM					
2	02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July. (1111 & 25% = 278 Nos)					
		a) Pitting	No	2778	66.91	1	185876
		b) Transportation of Seedlings- up to 5Kms	No	2778	294.83	100	8190
		- 5 to 25 Kms (20 Km x 8.42)	No	2778	10.36	100	5756
		c) Internal transporation	No	2778	181.73	100	5048
		d) Planting	No	2778	1070.40	100	29736
	02.03.02	Cost of DAP @ 25 gm / planting point	As per Actual				12000
3	02.03.03	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	No	11110	137.76	100	15305
4	02.03.04	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	No	11110	137.76	100	15305
5	02.03.05	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)					
		(a) For Hard soil	No	11110	723.51	100	80382
6	02.03.06	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows <i>(to be undertaken during July - August)</i>					
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	10	1613.26	1	16133
7	02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height <i>during October.</i>	No	11110	137	100	15221
8	02.03.08	Enumeration of row-wise survival and average growth thrice in 1st Maintainance year - Number of plants planted and number surviving (to be undertaken during May and Dec.) to be ascertained and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.75 - 2 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
9	02.03.09	Contingencies provision for maintenance of plantaitons:					
		i) Maintenance of Plantation Boards and Corner Stones	No.	1	As per actuals		3900
		ii) Contingencies and Miscellaneous					3000

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
10	02.03.10	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha.	Month	12	10137.32	1	121648
		Rate per 10 Ha			Total		517500

Rate Per Ha (2022-23)	Rs 0.518 Lakhs
Rate Per Ha (2023-24)	Rs 0.570 Lakhs
Rate Per Ha (2024-25)	Rs 0.627 Lakhs
Rate Per Ha (2025-26)	Rs 0.690 Lakhs
Rate Per Ha (2026-27)	Rs 0.759 Lakhs

 District Forest Officer,
Jayashankar Bhupalpally District



UNIT COST FOR 2nd YEAR MAINTENANCE UNDER LABOUR INTENSIVE METHOD
-(3m X 3m espacement) (FSR 2022-23)

Unit area 10.00 Ha,

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.00	2nd YEAR MAINTAINANCE -LIM					
	02.04.01	Cost of DAP @ 25gms / planting points					11000
1	02.04.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	No	11110	137.76	100	15305
2	02.04.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	No	11110	137.76	100	15305
3	02.04.04	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 during Nov. - Dec.					
		(a) For Hard soil	No	11110	723.51	100	80382
4	02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1613.26	1	1613
5	02.04.06	Enumeration of row-wise survival and average growth thrice in 2nd Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indogenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
6	02.04.07	Contingencies provision for maintainence of plantaitons:					
		i) Maintenance of Plantation Boards and Corner Stones	No.	1	As per actuals		1747
		ii) Contingencies and Miscellaneous					3000
7	02.04.08	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha. is at least 80% survival at the end of raising year	Month	12	10137.32	1	121648
			Rate per 10 Ha			Total	250000

Rate Per Ha (2022-23)	Rs	0.250	Lakhs
Rate Per Ha (2023-24)	Rs	0.275	Lakhs
Rate Per Ha (2024-25)	Rs	0.303	Lakhs
Rate Per Ha (2025-26)	Rs	0.333	Lakhs
Rate Per Ha (2026-27)	Rs	0.366	Lakhs
Rate Per Ha (2027-28)	Rs	0.403	Lakhs

District Forest Officer,

Jayashankar Bhupalpally District

B. L. Gupta
15/9/22

UNIT COST FOR 3rd YEAR MAINTENANCE UNDER LABOUR INTENSIVE METHOD
-(3m X 3m espacement) (FSR 2022-23)

Unit area 10.00 Ha,

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.00	3rd YEAR MAINTAINANCE -LIM					
2	02.04.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	No	11110	137.76	100	15305
3	02.04.04	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 during Nov. - Dec.					
		(a) For Hard soil	No	11110	723.51	100	80382
4	02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle)	Ha	1	1613.26	1	1613
5	02.04.06	Enumeration of row-wise survival and average growth thrice in 2nd Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indogenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
6	02.04.07	Contingencies provision for maintainence of plantaitons:					
		i) Maintenance of Plantation Boards and Corner Stones	No.	1	As per actuals		1052
		ii) Contingencies and Miscellaneous					3000
7	02.04.08	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. (b) For unfenced area: One Casual labour is allowed for plantation more than 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for multiples of 20.00 ha.	Month	12	10137.32	1	121648
			Rate per 10 Ha			Total	223000

Rate Per Ha (2022-23)	Rs	0.223	Lakhs
Rate Per Ha (2023-24)	Rs	0.245	Lakhs
Rate Per Ha (2024-25)	Rs	0.270	Lakhs
Rate Per Ha (2025-26)	Rs	0.297	Lakhs
Rate Per Ha (2026-27)	Rs	0.327	Lakhs
Rate Per Ha (2027-28)	Rs	0.360	Lakhs
Rate Per Ha (2028-29)	Rs	0.396	Lakhs

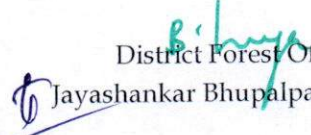

 District Forest Officer,
 Jayashankar Bhupalpally District


4th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 10.00 Ha,

FSR Item No.	Description	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	circular weeding to a radius of 0.50 m around the plant (i.e. July - Aug)	Nos	11110	137.76	100	15305
02.04.04	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	11110	724.00	100	80436
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	Nos	11110	137.00	100	15221
03.05.03	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	670.61	100	671
02.04.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher	Nos	12	10137.32	1	121648
	Contigenceis					719
		Rate per 10 Ha				234000

Rate Per Ha (2022-23)	Rs	0.234	Lakhs
Rate Per Ha (2023-24)	Rs	0.257	Lakhs
Rate Per Ha (2024-25)	Rs	0.283	Lakhs
Rate Per Ha (2025-26)	Rs	0.311	Lakhs
Rate Per Ha (2026-27)	Rs	0.342	Lakhs
Rate Per Ha (2027-28)	Rs	0.376	Lakhs
Rate Per Ha (2028-29)	Rs	0.414	Lakhs
Rate Per Ha (2029-30)	Rs	0.455	Lakhs


 District Forest Officer,
 Jayashankar Bhupalpally District


 19/8/24

5th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 10.00 Ha,

FSR Item No.	Description	Unit	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	Nos	11110	137.00	100	15221
02.04.04	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 -1 time	Nos	11110	724.00	100	80436
03.05.03	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	670.61	100	671
	Contingenceis					672
			Rate per 10 Ha			97000

Rate Per Ha (2022-23)	Rs	0.097	Lakhs
Rate Per Ha (2023-24)	Rs	0.107	Lakhs
Rate Per Ha (2024-25)	Rs	0.118	Lakhs
Rate Per Ha (2025-26)	Rs	0.130	Lakhs
Rate Per Ha (2026-27)	Rs	0.143	Lakhs
Rate Per Ha (2027-28)	Rs	0.157	Lakhs
Rate Per Ha (2028-29)	Rs	0.173	Lakhs
Rate Per Ha (2029-30)	Rs	0.190	Lakhs
Rate Per Ha (2030-31)	Rs	0.209	Lakhs

District Forest Officer,

Jayashankar Bhupalpally District

6th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 10.00 Ha,

FSR Item No.	Description	Unit	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	Nos	11110	137.00	100	15221
02.04.04	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 -1 time	Nos	11110	724.00	100	80436
03.05.03	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	670.61	100	671
	Contigenceis					672
		Rate per 10 Ha				97000

Rate Per Ha (2022-23)	Rs	0.097	Lakhs
Rate Per Ha (2023-24)	Rs	0.107	Lakhs
Rate Per Ha (2024-25)	Rs	0.118	Lakhs
Rate Per Ha (2025-26)	Rs	0.130	Lakhs
Rate Per Ha (2026-27)	Rs	0.143	Lakhs
Rate Per Ha (2027-28)	Rs	0.157	Lakhs
Rate Per Ha (2028-29)	Rs	0.173	Lakhs
Rate Per Ha (2029-30)	Rs	0.190	Lakhs
Rate Per Ha (2030-31)	Rs	0.209	Lakhs

B. Luyar
District Forest Officer,
Jayashankar Bhupalpally District
5/12/2019

7th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 10.00 Ha,

FSR Item No.	Description	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
02.04.04	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 -1 time	Nos	11110	724.00	100.00	80436
03.05.03	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	670.61	100	671
				Total		81107

Rate Per Ha (2022-23)	Rs	0.081	Lakhs
Rate Per Ha (2023-24)	Rs	0.089	Lakhs
Rate Per Ha (2024-25)	Rs	0.098	Lakhs
Rate Per Ha (2025-26)	Rs	0.108	Lakhs
Rate Per Ha (2026-27)	Rs	0.119	Lakhs
Rate Per Ha (2027-28)	Rs	0.131	Lakhs
Rate Per Ha (2028-29)	Rs	0.144	Lakhs
Rate Per Ha (2029-30)	Rs	0.158	Lakhs
Rate Per Ha (2030-31)	Rs	0.174	Lakhs
Rate Per Ha (2031-32)	Rs	0.191	Lakhs

B. L. Gupta
District Forest Officer,

Jayashankar Bhupalpally District

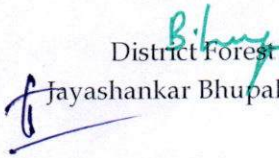
19/9/22

8th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 10.00 Ha,

FSR Item No.	Description	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
02.04.04	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 -1 time	Nos	11110	724.00	100.00	80436
03.05.03	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	670.61	100	671
				Total		81107

Rate Per Ha (2022-23)	Rs	0.081	Lakhs
Rate Per Ha (2023-24)	Rs	0.089	Lakhs
Rate Per Ha (2024-25)	Rs	0.098	Lakhs
Rate Per Ha (2025-26)	Rs	0.108	Lakhs
Rate Per Ha (2026-27)	Rs	0.119	Lakhs
Rate Per Ha (2027-28)	Rs	0.131	Lakhs
Rate Per Ha (2028-29)	Rs	0.144	Lakhs
Rate Per Ha (2029-30)	Rs	0.158	Lakhs
Rate Per Ha (2030-31)	Rs	0.174	Lakhs
Rate Per Ha (2031-32)	Rs	0.191	Lakhs
Rate Per Ha (2032-33)	Rs	0.210	Lakhs


 District Forest Officer,
 Jayashankar Bhupalpally District

9th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 10.00 Ha,

FSR Item No.	Description	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
02.04.04	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 -1 time	Nos	11110	724.00	100.00	80436
03.05.03	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	670.61	100	671
				Total		81107

Rate Per Ha (2022-23)	Rs	0.081	Lakhs
Rate Per Ha (2023-24)	Rs	0.089	Lakhs
Rate Per Ha (2024-25)	Rs	0.098	Lakhs
Rate Per Ha (2025-26)	Rs	0.108	Lakhs
Rate Per Ha (2026-27)	Rs	0.119	Lakhs
Rate Per Ha (2027-28)	Rs	0.131	Lakhs
Rate Per Ha (2028-29)	Rs	0.144	Lakhs
Rate Per Ha (2029-30)	Rs	0.158	Lakhs
Rate Per Ha (2030-31)	Rs	0.174	Lakhs
Rate Per Ha (2031-32)	Rs	0.191	Lakhs
Rate Per Ha (2032-33)	Rs	0.210	Lakhs
Rate Per Ha (2033-34)	Rs	0.231	Lakhs

B. Gupta
District Forest Officer,

J Jayashankar Bhupalpally District

5/8/22

10th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 10.00 Ha,

FSR Item No.	Description	Unit	Qty	Rate (Rs.)	Per	Amount (Rs.)
02.04.04	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 -1 time	Nos	11110	724.00	100.00	80436
03.05.03	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	Rmt	100	670.61	100	671
				Total		81107

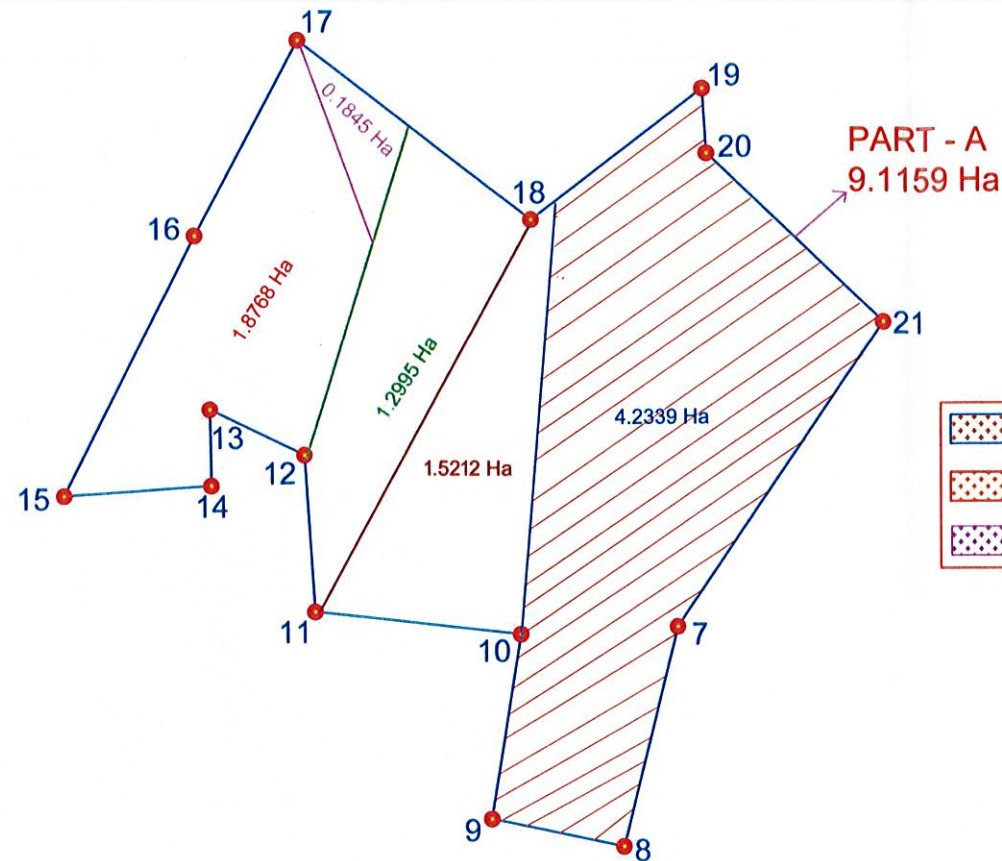
Rate Per Ha (2022-23)	Rs	0.081	Lakhs
Rate Per Ha (2023-24)	Rs	0.089	Lakhs
Rate Per Ha (2024-25)	Rs	0.098	Lakhs
Rate Per Ha (2025-26)	Rs	0.108	Lakhs
Rate Per Ha (2026-27)	Rs	0.119	Lakhs
Rate Per Ha (2027-28)	Rs	0.131	Lakhs
Rate Per Ha (2028-29)	Rs	0.144	Lakhs
Rate Per Ha (2029-30)	Rs	0.158	Lakhs
Rate Per Ha (2030-31)	Rs	0.174	Lakhs
Rate Per Ha (2031-32)	Rs	0.191	Lakhs
Rate Per Ha (2032-33)	Rs	0.210	Lakhs
Rate Per Ha (2033-34)	Rs	0.231	Lakhs
Rate Per Ha (2034-35)	Rs	0.254	Lakhs

District Forest Officer,

Jayashankar Bhupalpally District

[Signature]

Map Showing the Area for Proposed Compensatory Afforestation in
Sy No: 1196/ of Kothapally SM(V), Bhupalpally (M), Jayashankar (Dt.)



- PART - A AREA - 9.1159 ha
- PART - B AREA - 4.2236 ha
- PART - C AREA - 0.9899 ha

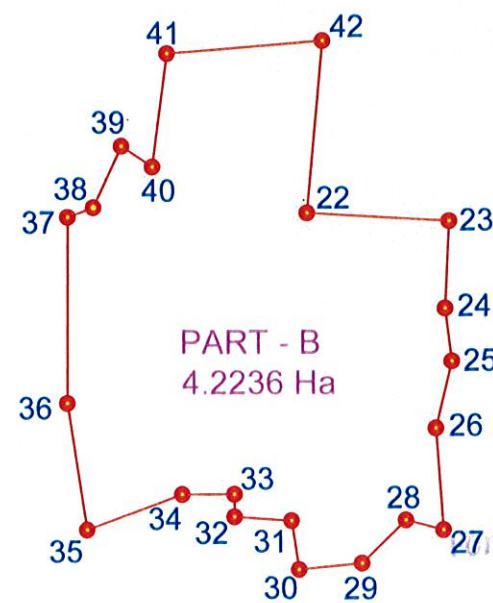
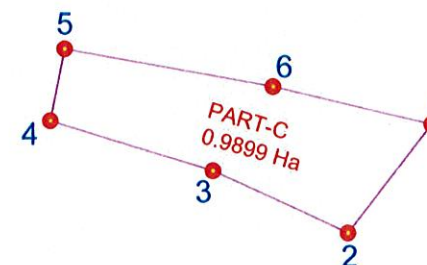
UTM Projection - Zone 44Q and WGS 1984 Datum

Easting	Northing	Longitude	Latitude
1 370803.285	2028907.150	79.77724886	18.34606199
2 370757.512	2028848.483	79.77681946	18.34552907
3 370684.617	2028881.980	79.77612755	18.34582734
4 370596.410	2028909.644	79.77529112	18.34607195
5 370604.323	2028948.403	79.77536352	18.34642266
6 370717.121	2028927.265	79.77643224	18.34623851
7 370425.428	2029193.757	79.77365506	18.34862885
8 370395.027	2029074.728	79.77337497	18.34755143
9 370324.260	2029089.941	79.77270435	18.34768459
10 370340.235	2029189.894	79.77284914	18.34858876
11 370229.103	2029201.710	79.77179676	18.34868875
12 370223.972	2029286.771	79.77174277	18.34945708
13 370171.579	2029311.598	79.77124540	18.34967822
14 370172.398	2029270.285	79.77125579	18.34930496
15 370094.022	2029265.004	79.77051447	18.34925245
16 370163.042	2029405.727	79.77115861	18.35052827
17 370220.667	2029511.106	79.77169717	18.35148402
18 370345.795	2029414.219	79.77288743	18.35061615
19 370438.902	2029484.477	79.77376402	18.35125669
20 370440.975	2029449.696	79.77378585	18.35094253
21 370537.008	2029358.397	79.77470042	18.35012337
22 370362.482	2028790.647	79.77308512	18.34498243
23 370441.093	2028786.372	79.77382926	18.34494858
24 370438.663	2028739.456	79.77380926	18.34452450
25 370442.143	2028711.048	79.77384400	18.34426800
26 370433.738	2028675.106	79.77376676	18.34394271
27 370435.858	2028620.326	79.77379031	18.34344783
28 370417.002	2028625.657	79.77361154	18.34349486
29 370393.041	2028602.684	79.77338628	18.34328581
30 370359.057	2028599.681	79.77306489	18.34325661
31 370354.708	2028625.986	79.77302206	18.34349404
32 370323.917	2028628.196	79.77273056	18.34351213
33 370324.096	2028639.209	79.77273156	18.34361166
34 370295.056	2028638.876	79.77245678	18.34360689
35 370244.019	2028620.028	79.77197505	18.34343345
36 370233.424	2028688.899	79.77187040	18.34405514
37 370233.769	2028788.385	79.77186731	18.34495414
38 370247.676	2028793.803	79.77199856	18.34500395
39 370263.091	2028826.764	79.77214232	18.34530273
40 370279.747	2028815.782	79.77230063	18.34520451
41 370287.728	2028876.870	79.77237226	18.34575701
42 370372.103	2028883.809	79.77317022	18.34582485

Gopalpur

1. Khammampally to Bhupalapally 4.2339 Ha
2. Azamnagar to Pegadapally 1.2995 Ha
3. BT road from Prem Nagar to Meenajipet 1.1744 Ha
(0.9899+0.1845=1.1744)
4. BT road from Stambampally PK to Maddimadugu 4.3897 Ha
5. BT road from Yamanpally to Azamnagar 1.8768 Ha
6. Balance Area 1.5212 Ha

Karkapalle



Quesada
AEE/BSP/Kadalam

S. Khammampally
AEE/BSP/Kadalam

Forest Range Officer
Chelour

Forest Divisional Officer
Bhupalpally Division

District Forest Officer
Jayashankar Bhupalpally

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From
Sri CH. Krishna Prasad, S.F.S,
Forest Divisional Officer,
Bhupalpally.

To
The Prl. Chief Conservator of Forests (HoFF),
Aranya Bhavan,
TS, Hyderabad.

Rc. No. 47/2018/TA, Dt: 06.03.2021

Madam,

Sub:- TSFD - Forest Conservation Act, 1980 - Diversion of 4.2339 Ha of Forest Land for widening from single lane to double lane road of Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District - Processed proposal submitted to Sol, MoEF&CC, RO Chennai - Additional information - Revised Mitigation Action plan submitted - Regarding.

Ref:- 1. Sol, MoEF&CC, RO (SEZ) Chennai, F.No.4-TSC160/2019-CHN/0134, dt.30.01.2020.
2. PCCF, TS, Hyderabad Rc.No.1574/2018-FCA2, dt.19.02.2020.
3. DFO, JS Bhupalpally District Rc.No.300/2018/TO, dt.10.03.2020.
4. FDO, Bhupalpally Rc.No.47/2018/TA, dt.16.02.2020.
5. FDO, Bhupalpally Rc.No.47/2018/TA, dt.23.10.2020.
6. PCCF, TS, Hyderabad Rc.No.1574/2018-FCA2, dt.06.03.2020.

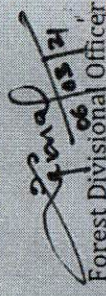
It is submitted that, in the reference 6th cited above, the Prl. Chief Conservator of Forests, FCA, TS, Hyderabad has instructed to submit the revised wildlife mitigation plan for the proposed proposal of diversion of 4.2339 Ha of Forest Land for widening from single lane to double lane road of Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District.

Further, it is submitted that, I am submitting the revised wildlife mitigation plan to the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad for process.

This if submitted for favour of kind information and necessary action.

Encl: As Above.

Yours Faithfully,

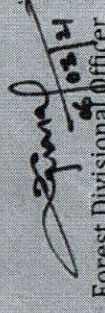

Forest Divisional Officer
Bhupalpally.

Copy submitted to the Chief Conservator of Forests, Warangal Circle, Warangal for favour of kind information.

Copy submitted to the District Forest Officer, JS Bhupalpally for favour of kind information.

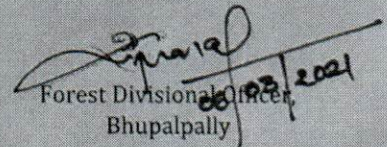
Copy to the Superintendent Engineer R&B Regional Office, Warangal Urban for information.

Copy to the District R&B Officer, Mulug for information.


Forest Divisional Officer
Bhupalpally.

Estimate for Mitigation Action Plan for Proposals of diversion of 4.2339 Ha of Forest Land for widening from single lane to double lane road of Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division in favour of
District R&B Officer, Jayashankar Bhupalpally District

Sl.No	Item of work	Qty	Rate	per	Amount (In Lakhs)
1	Implementation of Animal passage plan by constructing underpasses at the locations indicated by DFO, Bhupalpally duly following the specifications of wildlife institute of India, Dehra Dun.	To be executed by the User Agency at their own cost			
2	Drilling of bore wells and installation of solar pumps connected to PTs	10	6	each	60.00
3	Creation of natural grass lands by uprooting obnoxious weeds and sowing of local grass and maintenance for three years	50	0.20 for three years	per Ha.	10.00
4	Constructin of integrated watch tower with solar pump with PT and a room for protection watchers.	2	20	each	40.00
5	Engaging of fire protection watchers for 5 months from January to May for a period of 5 years and fire tracing on both sides of the road to a width of 10 to 20 mts.	5 Member x 5 Year	3.00 lakh per year	Per Year	15.000
6	Creation of view lines of 10 mts. Width on either side of the road and maintenance for 5years	20 kms	0.20	per Km. per year	20.000
7	Mitigation of Man animal conflict	5 year	2.00	Per year	10,000
8	Monitoring of wildlife purchase of camera traps	20	0.25	each	5.000
9	Installation of sign boards at regular intervals of 1 Km. to caution the vehicles about animal movement and sensitizing public (Size 8ft x 6ft)	15	1.00	each	15.000
10	Operationalising one unit of animal rescue team with veterrarian and five wild animal rescuers for three years	3 years	12.00	per year	36.000
11	Administrative Cost (5 %)				9.000
	TOTAL:				220.000


 Forest Divisional Officer,
 Bhupalpally

Statement showing the Enumeration list for 4.2339 Ha (recommended by Regional Empowered Committee (REC) RO, Chennai (SEZ) in its 40th meeting held on 22.01.2020) of Forest Land for widening from single lane to double lane of Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division

Sl. No.	Local name of tree	No.of trees	Girth class wise no.of trees (Cms)					No.of poles	Qty. of Timber Cum	Qty. of Fuel Cum	Total Value Rs.	Remarks, if any
			0 to 30	31 to 60	61 to 90	91 to 120	> 120 Cms					
1	2	3	4	5	6	7	8	9	10	11	12	13
Koyyur Range												
1	Andugu	9	1	4	1	3	0	2	1.7710		14875	
2	Are	19	7	11	1	0	0	17	0.1210		2809	
3	Badam	1	0	1	0	0	0	0	0.0276		122	
4	Barrenka	7	1	4	2	0	0	4	0.2475		2239	
5	Battakadimi	2	2	0	0	0	0	2	0.0000		136	
6	Bijasal	35	25	10	0	0	0	34	0.0576		4997	
7	Bilugu	181	153	28	0	0	0	178	0.1789		15271	
8	Bojja	176	132	40	2	1	1	168	1.6381		29493	
9	Buddadarmi	3	1	0	2	0	0	2	0.2245		1676	
10	Buruga	3	0	3	0	0	0	2	0.0790		676	
11	Chennangi	81	59	22	0	0	0	77	0.2797		8184	
12	Chilkaduddi	106	86	17	3	0	0	101	0.5400		12116	
13	Chilla	47	43	4	0	0	0	47	0.0000		3576	
14	Choppari	66	13	23	16	13	1	27	10.8743		142378	
15	Danti	5	4	1	0	0	0	5	0.0000		435	
16	Dumpidi	40	6	12	19	3	0	15	4.6913		61933	
17	Durshan	1	1	0	0	0	0	1	0.0000		68	
18	Eluka	1	0	0	1	0	0	0	0.1230		763	
19	Gotte	9	7	2	0	0	0	9	0.0000		802	
20	Gudipala	11	10	1	0	0	0	11	0.0000		843	
21	Gummaditeak	12	10	2	0	0	0	12	0.0000		1006	
22	Ippa	94	62	32	0	0	0	92	0.1687		9853	
23	Istaripala	21	21	0	0	0	0	21	0.0000		1428	
24	Jitregi	8	3	5	0	0	0	8	0.0000		1019	
25	Kadimi	3	0	2	1	0	0	1	0.2152		1646	
26	Kanuga	1	1	0	0	0	0	1	0.0000		68	

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Sl. No.	Local name of tree	No. of trees	Girth class wise no. of trees (Cms)					No. of poles	Qty. of Timber Cum	Qty. of Fuel Cum	Total Value Rs.	Remarks, if any
			0 to 30	31 to 60	61 to 90	91 to 120	> 120 Cms					
1	2	3	4	5	6	7	8	9	10	11	12	13
27	Karenga	11	8	3	0	0	0	11	0.0000		1033	
28	Kodisha	51	42	8	1	0	0	47	0.2174		4727	
29	Korri	4	3	1	0	0	0	4	0.0000		272	
30	Maddi	569	451	114	3	1	0	553	1.5367		70460	
31	Marri	1	1	0	0	0	0	1	0.0000		68	
32	Morri	33	23	10	0	0	0	1	0.0625		3308	
33	Mothku	1	1	0	0	0	0	1	0.0000		68	
34	Nallamaddi	2	1	1	0	0	0	2	0.0000		292	
35	Nallatumma	1	0	1	0	0	0	0	0.0300		133	
36	Narepa	55	35	14	4	2	0	45	1.6601		64127	
37	Nemali	1	0	1	0	0	0	1	0.0000		163	
38	Pachakadimi	1	1	0	0	0	0	1	0.0000		68	
39	Pala	2	1	1	0	0	0	2	0.0000		231	
40	Palakodisha	40	39	1	0	0	0	40	0.0000		2815	
41	Rela	4	2	1	1	0	0	3	0.1634		1564	
42	Sandra	21	7	10	4	0	0	14	0.6293		5734	
43	Sissoo	5	3	2	0	0	0	4	0.0794		718	
44	Somi	49	16	30	2	1	0	37	1.2834		12688	
45	Tavisi	2	1	1	0	0	0	2	0.0276		190	
46	Teak	362	305	57	0	0	0	360	0.1771		98467	
47	Teddupalala	8	7	1	0	0	0	7	0.0276		598	
48	Teegadari	1	1	0	0	0	0	1	0.0000		68	
49	Telusu	3	2	0	1	0	0	2	0.1200		880	
50	Tirman	253	228	22	3	0	0	247	0.5446		22089	
51	Togarimogili	130	98	31	0	1	0	129	0.2352		13851	
52	Tuniki	292	261	30	0	1	0	291	0.4220		26069	
53	Ullintha	5	5	0	0	0	0	5	0.0000		340	
54	Vepa	32	13	8	8	0	3	18	2.9296		28416	
55	Vishamusti	1	1	0	0	0	0	1	0.0000		68	
56	Fuel									20carts	16620	
57	Porka									30carts	4860	
Koyyur Range Total:		2882	2204	572	75	26	5	2667	31.3829		699397	

Sl. No.	Local name of tree	No.of trees	Girth class wise no.of trees (Cms)					No.of poles	Qty. of Timber Cum	Qty. of Fuel Cum	Total Value Rs.	Remarks, if any
			0 to 30	31 to 60	61 to 90	91 to 120	> 120 Cms					
1	2	3	4	5	6	7	8	9	10	11	12	13
Bhupalpally Range												
1	Kanuga	15	0	15				15			1125	
2	Thuniki	164	146	18				164			14172	
3	Nemali Nara	25	0	25				25			4475	
4	Teak	489	446	43				489			114251	
5	Palakodisha	222	220	2				222			16858	
6	Chennangi	212	158	52	2			210	0.3703		4258	
7	Gummaditeak	6	5	1				6			1290	
8	Maddi	294	101	193				294			57077	
9	Vepa	25	9	16				25			3341	
10	Chilakadiddi	163	150	13				163			13577	
11	Thelusu	2	1	0	1			1	0.3698		3224	
12	Hoppari (Pacchari)	4	4	0				4			212	
13	Battediddi	37	30	7				37			2843	
14	Nallamaddi	194	164	30				194			16732	
15	Rela	4	1	3				4			590	
16	Nallakodishe	93	73	20				93			9055	
17	Thagaru mogili	109	82	26	1			108	0.5050		10804	
18	Billudu	198	169	29				198			16729	
19	Paiki	1	0	1				1			179	
20	Kodishe	42	33	9				42			4086	
21	Dumpidi	28	7	13	8			20	1.1578		12662	
22	Morri	58	35	23				58			6742	
23	Others	43	30	13				43			4577	
24	Korivi	13	9	4				13			1391	
25	Yegeesa	17	15	2				17			1483	
26	Thiruman	195	168	26	1			194	0.0578		17648	
27	Vippa	24	24	0				24			1800	
28	Biojja	33	23	10				33			3515	
29	Aare	8	3	4	1			7	0.1656		1652	

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Sl. No.	Local name of tree	No. of trees	Girth class wise no. of trees (Cms)					No. of poles	Qty. of Timber Cum	Qty. of Fuel Cum	Total Value Rs.	Remarks, if any
			0 to 30	31 to 60	61 to 90	91 to 120	> 120 Cms					
1	2	3	4	5	6	7	8	9	10	11	12	13
30	Vishamushti	2	0	2	0			2			358	
31	Somi	55	21	21	13			42	1.7494		19436	
32	Usiri	2	2	0	0			2			150	
33	Buddadharimi	3	1	2	0			3			433	
34	Chilla	15	12	3	0			15			1437	
35	Jitregi	6	5	1	0			6			928	
36	Gumpena	31	9	15	7			24	2.0754		26615	
37	Gotte	10	10	0	0			10			750	
Bhupalpally Range Total:		2842	2166	642	34	0	0	2808	6.4511		396455	
Bhupalpally Division:		5724	4370	1214	109	26	5	5475	37.8340		1095852	


 Forest Divisional Officer,
 Bhupalpally


 District Forest Officer
 Jayashankar Bhupalpally.