

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From
Sri. G. Kista Goud, IFS.,
District Forest Officer,
Bhadradri Kothagudem Distric,
Kothagudem.

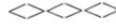
To
The Principal Chief Conservator of Forests,
(Head of Forest Force), Telangana,
Aranya Bhavan, Saifabad, Hyderabad.

Rc.No. 241/2020/D1, Dated: 30 .03.2024.

Sir,

Sub: - TSHD – Forest (Conservation) Act 1980 - Diversion of **649.3014 Ha** of Forest land in Ramavaram RF, Ramavaram Range of Kothagudem Forest Division for grant of Mining lease for proposed Venkatesh Khani OCP from Underground rights to Surface rights in Kothagudem arean favour of M/s. SCCL Kothagudem – **Additional Information Sought by the GoI, MoEF & CC, New Delhi** – Submitted - Reg.

Ref: 1. GoI, MoEF&CC, F.No. 8-05/2021/FC, Dt, 19.03.2024.
2. Prl.CCF, TS, Hyderabad, Rc. No. FC4/FC29/6/2022, Dt. 22.03.2024.



With reference to the subject and references cited above, it is submitted that, as per the instructions of the Principal Chief Conservator of Forests (HoFF), T.S., Hyderabad vide reference 2nd cited, the following additional information sought by the GoI, MoEF & CC, New Delhi vide reference 1st cited are submitted herewith as follows.

(A). Diversion of 124.00 ha of Forest land for OCP GKOC Phase-II, Kothagudem in Ramavaram RF, Kothagudem Division of Bhadradri Kothagudem District.

a) It is noted that out of 124 ha NFL identified for CA earlier, only 42.96 ha is available and rest CA area i.e., 81.04 ha is under encroachment by the local tribes. The State Govt. shall provide the copy of the notification of remaining 42.96 ha of NFL in Sy No. 116 of Rasannagudem village as RF/PF.

It is submitted that, DGPS survey for notification of remaining 42.96 ha of NFL in Sy. No. 116 of Rasannagudem village as RF/PF was started and it will be completed within (2) or (3) days and notification process will be taken up and completed by 25.04.2024 and action taken in this regard will be submitted accordingly.

b) Further, it is also noted that the SCCL has now provided 142.07 ha NFL in lieu of 81.04 Ha of encroachment in earlier CA land and 61.66 Ha overlapped CA land of SRLIP. In this regard it is to be clarified that the required land of 61.66 ha for SRLIP is being provided by SCCL only and the same is being accepted against the SRLIP by the State Govt. Moreover, it is also noticed that the NFL area of 61.66 ha now proposed for SRLIP proposal is having good vegetation, However, to compensate the loss of trees, CA scheme on double degraded forest land along with KML file site suitability certificate etc. may be provided. If the same has been done already for the SRLIP proposal then all details may also be provided.

(i). It is to submit that the required land of 61.66 ha was identified by SCCL for SRLIP in Chunchupally, Wadaguda and Ramachandrunipeta villages of Mangapet Mandal of Mulugu District.

In this regard it is submitted that, the CA scheme on double degraded forest land along with KML file site suitability certificate etc. may be obtained from the District Forest Officer, Mulugu.

(ii). Further, it is submitted that, 605.358 Ha of CA Non forest land including above said 61.66 Ha overlapped CA land was mutated in favour of Forest Department by the User agency in Paloncha Division in lieu of diversion of forest land for SRLIP and CA plantations to an extent of 454.00 Ha including 65.00 Ha (61.66 Ha) was taken up in Degraded Forest Land in Paloncha Division as detailed below.

Sl.No.	Name of the Range	Beat	Name of the RF & Compt No.	Year of Raising	Area of plantations in ha
1	Mulakalapally	Chaparalapally E	Annapureddipally RF/ Compt No.42	2019-20	20.00
2	Mulakalapally	Kamalapuram	Pengadapa RF/ Compt No. 39	2019-20	20.00
3	Mulakalapally	Mamillagudem	Annapureddipally RF/ Compt No.41	2019-20	10.00
4	Mulakalapally	Mamillagudem	Annapureddipally RF/ Compt No.41	2019-20	15.00
				Total::	65.00

The CA scheme, Surveyed Sketch, Location Maps and KML files for above said plantations are submitted herewith.

c) It is also noted that due to the proposed diversion area, the plantation in 9.31 ha area has been lost and plantation in alternate DFL site of 9.31 ha is proposed. In this regard it is also noticed that the Ministry vide letter No. 8-17/19998FC (Vol) dated 01.09.2023 (pg. 1394/c) has sought the comments of the State on 9.31 ha DFL land in which plantation was done and the same has been taken in the diversion of the instant proposal. In the reply of the same the State Govt has provided the same reply vide letter dated 23.02.2024. The CA scheme, KML file and site suitability certificate etc. for the same may be provided.

The copies of CA scheme, site suitability certificate and KML file of 9.31 Ha plantation are submitted herewith.

(B): -Diversion of 154.96 ha of Forest land in Kothagudem Forest Division (Ramavaram RF Compt.11, 12 & 13) for Gauthami Khani OCP, Phase-III in Kothagudem District in favour of M/s Singareni Collieries Company Limited.

a). The copy of the notification of the non-forest land as RF/PF for CA area is required.

It is submitted that, the SCCL has handed over 154.96 Ha of NFL land at Mulapeta (V) Ranasthalam (M) of Srikakulam District of Andhra Pradesh State for CA purpose, in this regard, it is requested that, the above said required information may kindly be obtained from the Principal Chief Conservator of Forests, Andhra Pradesh State.

(C): Diversion of 261.31 ha of forest land for renewal of Gauthami Khani Opencast Mining Project (Phase-I) for surface use in Bhadradri Kothagudem District- Kothagudem Division in favour of M/s Singareni Collieries Company Limited. Stage-II clearance letter & date: No.8- 117/2002-FC, dated 01/02/2010 Proposal No.: FP/TG/MIN/4921/2002.

a). The details of the KML file, expenditure incurred etc. where the CA plantation has been carried out on the identified DFL shall be provided.

It is submitted that, the non forest land to an extent of 261.31 Ha taken over in Rasannagudem village, Sy.No.116, Mulkapally (Mandal) Paloncha Range, Paloncha Division, the user agency has deposited an amount of Rs. 30.28 Lakhs for implementation of CA scheme, the plantation was raised during 1993-94 to an extent of 8.64 Ha in above said Rasannagudem non forest land of Paloncha Range of Paloncha Division and the balance non forest area of 252.67 Ha having heavy growth hence, planting and silvicultural operation was taken up in an extent of 252.67 Ha during 2005-06 in Compt.No.13, Damarcharla RF, Amaravaram Range of the then Paloncha Division with an expenditure of Rs. 30.274 Lakhs.

In this regard, it is submitted that, the DGPS survey will be taken up and kml file will be submitted soon for 8.64 Ha planting area and remaining planting area of 252.67 Ha was transferred to Andhra Pradesh State. Hence, it is requested that, the kml file for planting area of 252.67 Ha may kindly be obtained from the Principal Chief Conservator of Forests, Andhra Pradesh State.

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

Encl: As above. *(in duplicate)*

Yours faithfully,

[Signature]
30/03/2024
District Forest Officer
Bhadradri Kothagudem District.


[Signature]
30/03/24

Copy submitted to the Chief Conservator of Forests, Bhadradi Circle, Warangal along with enclosures for favour of kind information and necessary action.

Copy to the General Manager, M/s. Singareni Collieries Company Limited, Kothagudem Area, Venkateshkani (PO) of Bhadradi Kothagudem District – 507103 for information.

Copy to the Forest Divisional Officers, Kothagudem and Paloncha for information.

District Forest Officer
Bhadradi Kothagudem District.


30/3/24


30/3/2024


30/3/2024

Compensatory Afforestation Scheme for Diversion of 618.9571 Ha(546.9783 Forest+72.8788Ha ESZ) Forest Land in Forest Division Paloncha for Sitarama Lift Irrigation Project in favour of Chief Engineer, Irrigation Projects, Khammam of Kothagudem Circle of Bhadradi Kothagudem District, in Non-forest CA lands and degraded forest lands

A. Non-forest CA lands (NFL):

1. Introduction:

As per the proposals submitted by the User Agency an area of 640.9060 Ha has been proposed for diversion in Paloncha Division, out of that an extent of area in 21.9489 Ha in (5) patches Dammapeta Range and it has been falls in Non-Forest Land. Hence the diverted area has been reduced to 618.9571 Ha (out of which 72.8788 Ha belongs to Eco-Sensitive Zone(ESZ) of Kinnerasani Wild Life Sanctuary) and the proposals were submitted by the UA in lieu of diversion of forest land over an extent of 618.9571 Ha for Sita Rama Lift Irrigation Project in Paloncha Division. In this regard, an extent of 605.3581 Ha area of non-forest CA land has been identified for raising Compensatory Afforestation in different Sy.Nos.in Aswaraopeta, Mulakalapally and Dammapeta Ranges. The areas have been inspected by Forest Divisional Officer, Paloncha along with concerned Forest Range Officers on 31.10.2017,01.11.2017 and 02.11.2017. The details of areas are as follows.

Sl. No.	Mandal	Village	Sy.No.	Area in Ha
1	Aswaraopeta	Asupaka	225,226 & 229	50.186
2	Mulakalapally	Rasannagudem	116	61.660
3	Aswaraopeta	Asupaka	226 & 228	220.318
4	Mulakalapally	Jagannadhapuram	626	21.593
5	Aswaraopeta	Tirumalakunta	631	13.919
6	Aswaraopeta	Tirumalakunta & Bandarugudem	631	31.581
7	Mulakalapally	Nallamudi	626	42.194
8	Dammapeta	Balarajugudem	78P	17.324
9	Dammapeta	Jaggaram	287P	15.581
10	Dammapeta	Nacharam	412P	35.571
11	Mulakalapally	Jagannadhapuram	626	20.479
12	Dammapeta	Ankampalem	350	20.883
13	Dammapeta	Patwarigudem	570/1, 884	28.343
14	Dammapeta	Patwarigudem	149	25.726
			Total:	605.3581

The non-forest CA lands are, mostly boundary with rocky patches of hillock in nature, having moderate standing growth of vegetation of mostly miscellaneous species. There is good natural regeneration in the CA areas. The soil is of mostly red morram and degraded with continuous erosion. Hence a special plan is required to protection of area from erosion and taking up required SMC works. As the areas are isolated with a small patches; with lot of biotic pressure from adjoining villages and there is every possibility of encroachment of this land for agriculture or for quarry. Hence suitable protection measures are needed from biotic pressure and encroachment chain link fence. The selected areas are easily accessible by road and are found suitable for Compensatory Afforestation.

Accordingly, keeping in view of the above points and in view the nature of the land no land is found suitable for planting due to existing growth in which singling, coppicing and bush clearance is proposed along with SMC works in an area of **605.3581 Ha** for an amount of **Rs.898.14701 Lakhs**.

2. **Legal status of the proposed area:** The proposed identified areas in different Sy.Nos in Aswaraopeta, Mulakalapally and Dammapeta Mandals are revenue lands and the District Collector, Bhadradi Kothagudem has issued NOC that these lands will be mutated and transferred in the name of forest department upon issue of Stage-I approval.
3. **Soil description and terrain:** The proposed areas soils are eroded and are ranging from red morram soil to red soils with saline patches here and there.
4. **Flora and Fauna:** In the proposed CA area, the flora is consisting of Tuniki, Vepa, Narlengi, Sandra, Billudu, Kodisa, Chiruman, Bontha, Narayepi, Aare etc. The movements of small nocturnal animals are observed.

5. THE SCHEME - TREATMENT MODELS AND OPERATIONS PROPOSED:

Soil and moisture conservation works: It is proposed to carry out SMC works like Digging of SCT, Percolation tank etc in the CA areas.

Protection of CA land: Erection of Chain link fencing around the CA area with gate is proposed. The boundary pillars are also proposed around the CA land to facilitate notification of CA lands as PF/RF.

Awareness programmes: It is proposed to conducting awareness programmes / motivation camps to the nearby villagers on importance of forests and prevention of fire and other biotic pressures. The expenditure will be met from Administrative cost.

Administrative Costs (Over Heads): As the work involves lot of record maintenance, book keeping and mobility of the field officers it is required to provide 10% of treatment cost (nursery raising, plantations raising and SMC works) towards over heads and monitoring of implementation of the Scheme.

PROJECT COST: The total financial out lay of the project is **Rs.898.14701 Lakhs**. Nursery raising and maintenance is proposed in 2018-19 & 2019-20, Advance operations 2019-20 and raising of plantation starts from 2020-21. The annual requirement of funds have been worked out on the base cost of 2017-18 FSR with 10% annual escalation for the remaining project period up to 2030-31.

The component wise details in brief are as follows.

S. No	Scheme Proposals	Cost in Lakhs
1	Singling, Coppicing, Bush cleaning	5.006
2	Construction of boundary Pillars	32.80
3	Construction of small pillars at 20 Mtr interval along the periphery	20.84
4	Erection of gates	14.00
5	Erection of chain link fencing	825.00
7	Administrative cost 10% over Core activities	0.501
	Total	898.147

MODE OF EXECUTION:

is proposed to implement the above proposals through VSS on Joint Forest Management concept wherever possible or by Departmental execution method. In addition to the existing staff of Forest Department with required logistic support, necessary manpower required for effective implementation of the project will be hired through outsourcing from the administrative cost.

Annexures:

Annexure I	Abstract of Compensatory Afforestation Scheme
Annexure II	Year wise Estimated cost Compensatory Afforestation
Annexure III	Unit cost Data sheets

B. Degraded forest lands (DFL) for CA:

1. Introduction:

In addition to the above 605.3581 Ha of non-forest CA land, an area of 440.00 Ha is also proposed for CA in degraded forest land in Aswaraopeta, Mulakalapally and Dammapeta Ranges to meet the requirement of planting 1000 plants/ ha of forest land diverted for the Project.

Further, plantation raised under CAMPA-NPV (NFM) APO 2016-17 and 2017-18 under NTSH in an area of 13.65 Ha (12 Ha Raising + 1.65 Ha 1st year maintenance) is being lost in the proposed project alignment in Compt.No.43 Chaparalappally (East) Beat of Annapureddipally RF of Mulakalapally Range of Paloncha Division. Hence, the CA Scheme is proposed for raising 14.00 Ha in degraded forest land and added to 440 ha of CA scheme in DFL. Hence, the total area proposed for CA in DFL is 454 Ha.

The details of areas identified for DFL CA with < 0.4 density are as follows.

Sl. No	Name of the Range	RF	Section	Beat	Compt. No.	Extent in Ha
1	Dammapeta	Tirumalakunta	Tirumalakunta	Thogudem Tirumalakunta	228	15.00
2	Dammapeta	Tirumalakunta	Tirumalakunta	Thogudem Tirumalakunta	227	25.00
3	Dammapeta	Tirumalakunta	Pusukunta	Bandarugumpu	224	30.00
4	Dammapeta	Nagupally	Nagupally	Patwatrigudem	202	30.00
5	Dammapeta	Nagupally	N.J.Puram	Thogudem - E	203 &204	20.00
6	Dammapeta	Balarajugudem	Dammapeta	Dammapeta	320	100.00
7	Aswaraopeta	Aswaraopeta Ext-1	Aswaraopeta	Aswaraopeta	295	20.00
8	Aswaraopeta	Aswaraopeta Ext-1	Aswaraopeta	Aswaraopeta	292	100.00
9	Mulakalapally	Ramavaram	Annaram	Annaram	17	50.00
10	Mulakalapally	Mulakalapally	Mulakalapally	Lingireddipally	322	50.00
11	Dammapeta	Duradapadu	Duradapadu	Duradapadu	249	14.00
Grand Total:						454.00

2. THE SCHEME - TREATMENT MODELS AND OPERATIONS PROPOSED:

Plantations: It is proposed to take up compensatory afforestation of **NON TEAK SECONDARY HARDWOOD SPECIES (NTSH)** through Semi-mechanical method, with CPT along the periphery of the DFL CA area.

The above Afforestation and Reforestation works shall be carried out either by involvement of VSS members wherever possible or through Departmental execution.

The operations to be carried out are Survey and demarcation, clearance of existing unwanted growth, uprootal, burning, ploughing, inter-ploughing, scoping of 60cm cube pits, importing of soil, and planting at 3 x 3 m espacement with 10 years of maintenance etc. Watering of plants is provided for raising year.

Soil and moisture conservation works: It is proposed to carry out SMC works like Digging of SCT, Constructions of Check Dam, Percolation tank etc in the CA areas.

Awareness programmes: It is proposed to conducting awareness programmes/ motivation camps to the nearby villagers on importance of forests and prevention of fire and other biotic pressures. The expenditure will be met from Administrative cost.

Administrative Costs (Over Heads): As the work involves lot of record maintenance, book keeping and mobility of the field officers it is required to provide 10% of treatment cost (nursery raising, plantations raising and SMC works) towards over heads and monitoring of implementation of the Scheme.

PROJECT COST: The total financial out lay of the project is **Rs.3199.75956 Lakhs.**

Nursery raising and maintenance is proposed in 2018-19 & 2019-20, Advance operations 2019-20 and raising of plantation starts from 2020-21. The annual requirement of funds have been worked out on the base cost of 2017-18 FSR with 10% annual escalation for the remaining project period up to 2030-31.

The component wise details in brief are as follows.

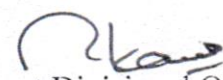
S. No	Scheme Proposals	Cost in Lakhs
1	Raising of Plants in Nurseries & their Maintenance	265.11466
2	Raising of plantations with 10 years of maintenance	2452.63267
3	SMC Works	191.12500
4	Administrative Cost – 10%	290.88723
	Total:	3199.75956

Mode of Execution:

It is proposed to implement the above proposals through VSS on Joint Forest Management concept wherever possible or by Departmental execution method. In addition to the existing staff of Forest Department with required logistic support, necessary manpower required for effective implementation of the project will be hired through outsourcing from the administrative cost.

Annexures:

Annexure IV	Abstract of Compensatory Afforestation Scheme on DFL
Annexure V	Year wise Estimated cost Compensatory Afforestation
Annexure VI	Unit cost Data sheets


Forest Divisional Officer
Paloncha

"ATTESTED"

Forest Divisional Officer
Paloncha


DISTRICT FOREST OFFICER
Bhadradi Kothagudem Dist
Kothagudem

Year-wise detailed Abstract of CA Scheme for 454 ha (440 ha +14 ha) in Degraded Forest Land for SRLIP of Paloncha Division

Sl. No	Item of Work	Phy	Unit Cost 2017-18 (Rs.)	2018 - 19			2019 - 20			2020 - 21			2021 - 22			2022 - 23			2023 - 24			2024 - 25			
				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)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	
				5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
I	Raising of Plants in Nurseries & their Maintenance, Procurement of Plants																								
1	Raising of Primary beds - Unit cost for 100000 plants	Plant	0.2521	700000	0.27734	1.94137	150000	0.30507	0.45761																
2	Raising of Bag Plants of 5"x9" - Unit Cost 100000 plants	Plant	4.7932	700000	5.27253	36.90770	150000	5.79978	8.69967																
3	Maintenance of Bag Plants of 5"x9" - Unit Cost for 100000 plants	Plant	1.7443				700000	2.11055	14.77386	150000	2.32161	3.48241	0	2.5538	0.00000										
4	Conversion of bag plants from 5"x9" to 8"x12" - Unit Cost 100000 plants	Plant	14.8816				700000	18.00680	126.04757	150000	19.80748	29.71121	0	21.78822	0.00000										
5	Maintenance of Bag Plants of 8"x12" - Unit Cost for 100000 plants	Plant	3.7430							700000	4.98188	34.87316	150000	5.49007	8.22010	0	6.02807	0.00000							
	Sub Total:					38.849			149.979			68.067			6.220			0			0		0		
II	Planting activities (SMM)																								
6	Advance Operations	Ha	39946				234.00	48334.66	113.10310	220.00	53168.13	116.96998													
7	Raising of Plantation	Ha	200580							234.00	266972.05	624.71459	220.00	293669.25	646.07235										
8	1st Year Maintenance	Ha	45647										234.00	66831.85	156.38652	220.00	73515.03	161.73307							
9	2nd Year Maintenance	Ha	23187													234.00	37342.90	87.38238	220.00	41077.18	90.36981	220.00	31695.61	69.73035	
10	3rd Year Maintenance	Ha	16265																234.00	28814.19	67.42521	234.00	31695.61	74.16773	
11	4th Year Maintenance	Ha	16265																						
12	5th Year Maintenance	Ha	2385																						
13	6th Year Maintenance	Ha	1903																						
14	7th Year Maintenance	Ha	2385																						
15	8th Year Maintenance	Ha	1903																						
16	9th Year Maintenance	Ha	2385																						
17	10th Year Maintenance	Ha	1903																						
	Sub Total:					0		113.10310			741.68447			802.45887			249.11544			157.79502		143.89808			
III	SMC Works																								
18	Digging of CPT in km	km	140000		154000.00		20	169400.00	33.88000	10	186340.00	18.63400													
19	Bund plantation in km	km	25000		27500.00		20	30250.00	6.05000	10	33275.00	3.32750													
20	Construction of Percolation Tanks	No	350000		385000.00		2	423500.00	8.47000	2	465850.00	9.31700													
21	Construction of Mini Percolation Tanks	No	100000		110000.00		3	121000.00	3.63000	3	133100.00	3.99300													
22	Checkdams	No	750000		825000.00		2	907500.00	18.15000	2	998250.00	19.96500	2	1099750.00	21.96150										
23	Desilting of old percolatin tanks	No	300000		330000.00		1	363000.00	3.63000	1	399300.00	3.99300	1	439230.00	4.39230										
24	Staggered trenches (0.45*0.45*1500 RMT/Ha)	Cmt			200.00		800	220.00	1.76000	800	242.00	1.93600													
25	Digging of borewell with solar panels	No	700000		770000.00		1	847000.00	8.47000	1	931700.00	9.31700	1	1024700.00	10.24700										
	Sub Total				0			84.04000			70.48250			36.60250			0			0		0		0	
IV	Administrative Cost - 10%																								
	Total year wise outlay of the project:				42.7340			381.8340			968.2571			932.0096			274.0270			173.5745		158.2879			

2025 - 26			2026 - 27			2027 - 28			2028 - 29			2029 - 30			2030 - 31			2031 - 32			Grand 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	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	Fin (Rs.in Lakhs)				
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48				
																						850000	2.3990			
																							850000	45.6074		
																							850000	18.2563		
																							850000	155.7588		
																							850000	43.0933		
		0		0.000			0.000			0.000			0.000			0.000			0.000					265.115		
																								454	230.0730	
																								454	1270.7869	
																								454	318.1196	
																								454	177.7522	
220.00	34865.17	76.70338																						454	137.1556	
234.00	5112.16	11.96246	220.00	5623.38	12.37143																			454	150.8711	
			234.00	4486.85	10.49922	220.00	4935.53	10.85817																454	24.3339	
						234.00	6185.71	14.47457	220.00	6804.29	14.96943													454	21.3574	
									234.00	5429.08	12.70406	220.00	5971.99	13.13838										454	29.4440	
												234.00	7484.71	17.51423	220.00	8233.19	18.11301							454	25.8424	
															234.00	6569.19	15.37191	220.00	7226.11	15.89744				454	35.6272	
		88.66584		22.87065			25.33274			27.67349			30.65262			33.48492			15.89744					454	31.2694	
																									2452.63267	
																									30	52.5140
																									30	9.3775
																									4	17.7870
																									6	7.6230
																									6	60.0765
																									3	12.0153
																									1600	3.6960
																									3	28.0357
		0		0			0			0			0			0				0						191.12500
		8.8666		2.2871			2.5333			2.7673			3.0653			3.3485				1.5897						290.8872
		97.5324		25.1577			27.8660			30.4408			33.7179			36.8334				17.4872						3199.75956

Admin
cost

"ATTESTED"

Forest Divisional Officer
Paloncha.

Forest Divisional Officer,
Paloncha

DISTRICT FOREST OFFICER
Bhadrañri Kothagudem Dist
Kothagudem

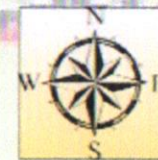
80°47'5"E

80°47'30"E

80°47'55"E

80°48'20"E

Location map of Raising NTSH Plantation of 20 Ha at Compt No 42 of Annapureddipally RF of Chaparalapally East Beat of Chaparalapally Section of Mulakalkapally Range :: Rasing 2019-20



1:10,000

17°26'40"N

17°26'40"N

17°26'15"N

17°26'15"N

S No	Lat	Long
0	17.44053	80.79468
1	17.4405	80.79399
2	17.44058	80.79208
3	17.44068	80.79153
4	17.44072	80.79099
5	17.44118	80.79105
6	17.44304	80.79086
7	17.44355	80.79044
8	17.4437	80.79112
9	17.44374	80.79128
10	17.44376	80.79156
11	17.44388	80.79193
12	17.44399	80.79234
13	17.44402	80.79337
14	17.44409	80.79419
15	17.44421	80.79653
16	17.44419	80.79676
17	17.444	80.79687
18	17.44157	80.79671
19	17.44101	80.79659
20	17.44067	80.79632
21	17.44061	80.79559

CHAPARALAPALLY_EAST

CHAPARALAPALLY_EAST

Forest Divisional Officer
PALONCHA

K. Mallikarjun
K. MAI.LIKARJUN
CHAPARALAPALLY BEAT OFFICER
Chaparalappalli East Beat

Forest Section Officer
CHAPARALAPALLY.

Forest Range Officer
Mulakalapally

KAMALAPURAM

DISTRICT FOREST OFFICER
Bhadradi Kothagudem Dist
Kothagudem

80°47'5"E

80°47'30"E

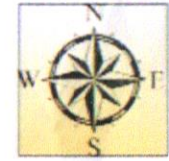
80°47'55"E

80°48'20"E

80°47'30"E

80°47'55"E

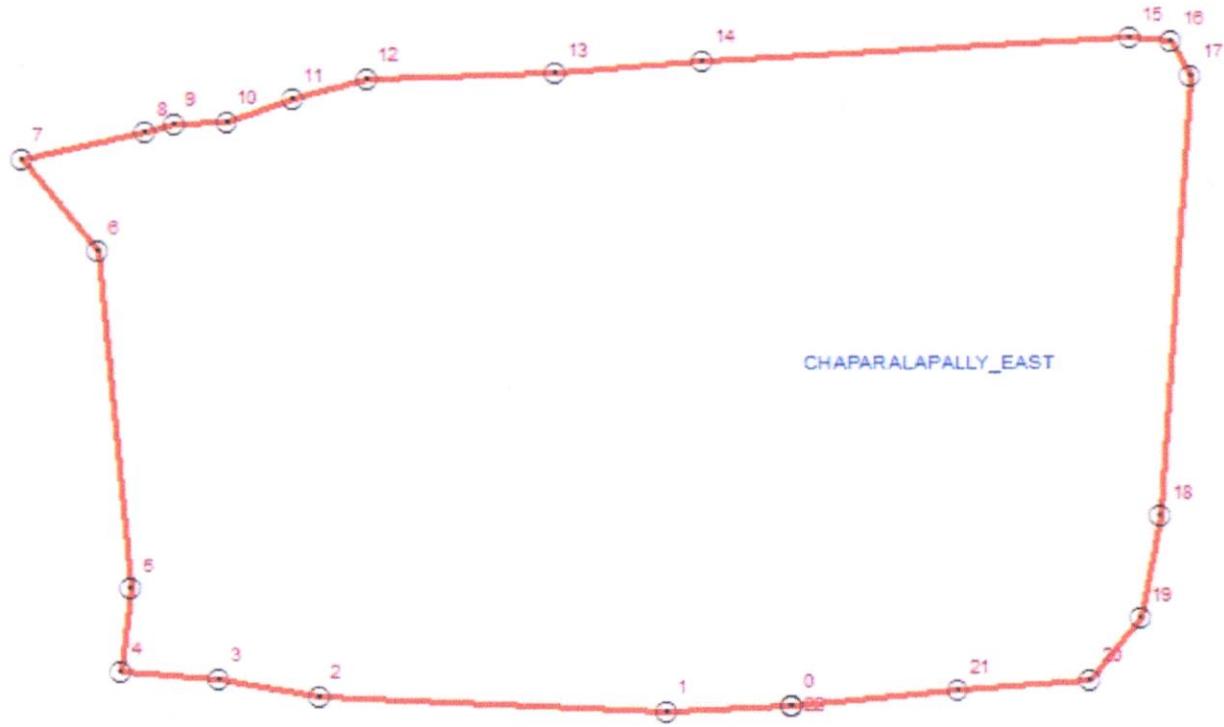
Surveyed Sketch of Raising NTSH Plantation of 20 Ha at Compt No 42 of Annapureddipally RF of Chaparalapally East Beat of Chaparalapally Section of Mulakalappally Range :: Rasing 2019-20



1:4,500

17°26'40"N

17°26'40"N



S No	Lat	Long
0	17.44053	80.79468
1	17.4405	80.79399
2	17.44058	80.79208
3	17.44068	80.79153
4	17.44072	80.79099
5	17.44118	80.79105
6	17.44304	80.79086
7	17.44355	80.79044
8	17.4437	80.79112
9	17.44374	80.79128
10	17.44376	80.79156
11	17.44388	80.79193
12	17.44399	80.79234
13	17.44402	80.79337
14	17.44409	80.79419
15	17.44421	80.79653
16	17.44419	80.79676
17	17.444	80.79687
18	17.44157	80.79671
19	17.44101	80.79659
20	17.44067	80.79632
21	17.44061	80.79559

K. Marikcejy
 k. Marikcejy FSD
 Chaparalapally (E) Beat

[Signature]
 Forest Section Officer
 CHAPARALAPALLY.

[Signature]
 Forest Range Officer
 Mulakalappally

hs
 Forest Divisional Officer
 PALONCHA

[Signature]
 DISTRICT FOREST OFFICER
 Bhadradi Kothagudem Dist
 Kothagudem

80°47'30"E

80°47'55"E

Location Map of Raising NTSH Plantation of 20 Ha at Compt No 39 of Penagadapa RF of Kamalapuram Beat of Chaparalappally Section of Mulakalkapally Range :: Rasing 2019-20



1:12,000

S No	Long	Lat
0	80.80162	17.46082
1	80.80144	17.46094
2	80.80156	17.46155
3	80.80739	17.45855
4	80.80759	17.45878
5	80.80759	17.45881
6	80.80741	17.45949
7	80.80775	17.45954
8	80.80809	17.45932
9	80.80847	17.45887
10	80.80765	17.45789
11	80.80764	17.45787
12	80.80724	17.45719
13	80.80722	17.45714
14	80.8072	17.45663
15	80.80718	17.45642
16	80.80711	17.45611
17	80.80692	17.45591
18	80.80668	17.45569
19	80.80679	17.45566
20	80.80669	17.45533
21	80.80669	17.4553
22	80.80647	17.45487
23	80.80617	17.45457
24	80.80564	17.4546
25	80.80562	17.4546
26	80.80468	17.45469
27	80.80428	17.4549
28	80.80411	17.45513
29	80.80436	17.45694
30	80.80467	17.45722
31	80.80468	17.45728
32	80.80483	17.45825
33	80.80464	17.45841
34	80.80429	17.45857
35	80.80428	17.45859
36	80.8043	17.45926
37	80.8029	17.45954
38	80.80288	17.45984
39	80.80261	17.45997
40	80.80228	17.46001
41	80.80193	17.46014
42	80.8018	17.46044
43	80.80166	17.46051

Forest Divisional Officer
PALONCHA

Forest Beat Office
KAMALAPURAM

Forest Section Officer
CHAPARALAPPALLY.

Forest Range Officer
Mulakalappally

DISTRICT FOREST OFFICER
Bhadradi Kothagudem Dist
Kothagudem

17°27'55"N

17°27'30"N

17°27'5"N

80°47'55"E

80°48'20"E

80°48'45"E

80°49'10"E

17°27'55"N

17°27'30"N

17°27'5"N

MAMILLAGUDEM

KAMALAPURAM

KAMALAPURAM

CHAPARALAPPALLY EAST

80°47'55"E

80°48'20"E

80°48'45"E

80°49'10"E

80°48'20"E

80°48'45"E

Surveyed Sketch of Raising NTSH Plantation of 20 Ha at Compt No 39 of Penagadapa RF of Kamalapuram Beat of Chaparalappally Section of Mulakalkapally Range :: Rasing 2019-20



1:6,000

S No	Long	Lat
0	80.80162	17.46082
1	80.80144	17.46094
2	80.80156	17.46155
3	80.80739	17.45855
4	80.80759	17.45878
5	80.80759	17.45881
6	80.80741	17.45949
7	80.80775	17.45954
8	80.80809	17.45932
9	80.80847	17.45887
10	80.80765	17.45789
11	80.80764	17.45787
12	80.80724	17.45719
13	80.80722	17.45714
14	80.8072	17.45663
15	80.80718	17.45642
16	80.80711	17.45611
17	80.80692	17.45591
18	80.8068	17.45589
19	80.80679	17.45566
20	80.80669	17.45533
21	80.80669	17.4553
22	80.80647	17.45487
23	80.80617	17.45457
24	80.80564	17.4546
25	80.80562	17.4546
26	80.80468	17.45469
27	80.80428	17.4549
28	80.80411	17.45513
29	80.80436	17.45694
30	80.80467	17.45722
31	80.80468	17.45728
32	80.80483	17.45825
33	80.80464	17.45841
34	80.80429	17.45857
35	80.80428	17.45859
36	80.8043	17.45926
37	80.8029	17.45954
38	80.80268	17.45984
39	80.80261	17.45997
40	80.80228	17.46001
41	80.80193	17.46014
42	80.8018	17.46044
43	80.80166	17.46051

17°27'30"N

17°27'30"N

MAMILLAGUDEM

KAMALAPURAM

KAMALAPURAM

bs
**Forest Divisional Officer
 PALONCHA**

Plabhatan
**Forest Beat Office
 KAMALAPURAM**

Srinivas
**Forest Section Officer
 CHAPARALAPPALLY.**

[Signature]
**Forest Range Officer
 Mulakalappally**

[Signature]
**DISTRICT FOREST OFFICER
 Bhadradi Kothagudem Dist
 Kothagudem**

80°48'20"E

80°48'45"E

80°47'30"E

80°47'55"E

80°48'20"E

80°48'45"E

Location Map of Raising NTSH Plantation of 10 Ha at Compt No 41 of Annapureddipally RF of Mamillagudem Beat of Chaparalapally Section of Mulakalkapally Range :: Rasing 2019-20



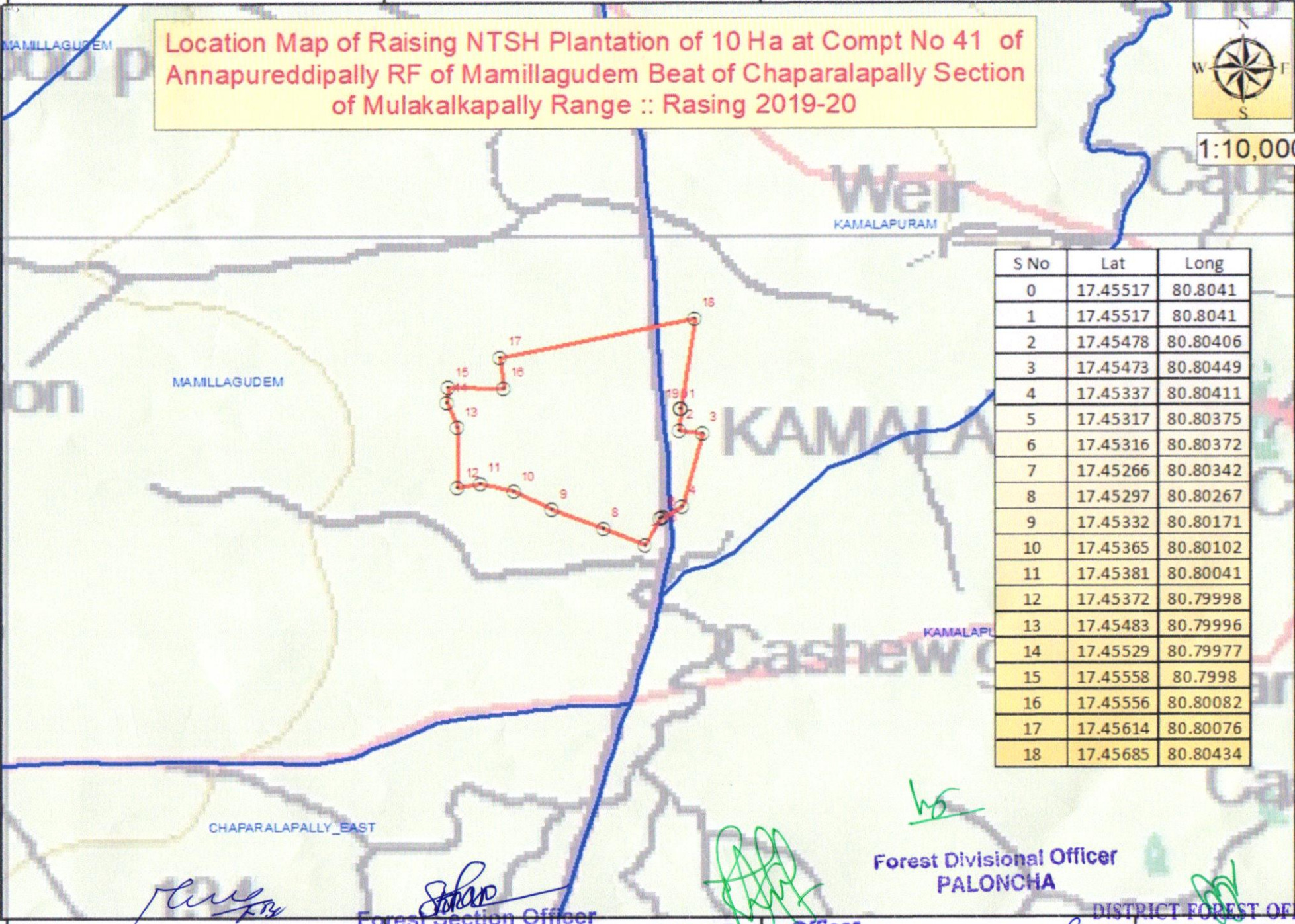
1:10,000

17°27'30"N

17°27'30"N

17°27'5"N

17°27'5"N



S No	Lat	Long
0	17.45517	80.8041
1	17.45517	80.8041
2	17.45478	80.80406
3	17.45473	80.80449
4	17.45337	80.80411
5	17.45317	80.80375
6	17.45316	80.80372
7	17.45266	80.80342
8	17.45297	80.80267
9	17.45332	80.80171
10	17.45365	80.80102
11	17.45381	80.80041
12	17.45372	80.79998
13	17.45483	80.79996
14	17.45529	80.79977
15	17.45558	80.7998
16	17.45556	80.80082
17	17.45614	80.80076
18	17.45685	80.80434

[Signature]
Mamillagudem Beat

[Signature]
Forest Section Officer
CHAPARALAPALLY.

[Signature]
Forest Range Officer
Mulakalapally

[Signature]
Forest Divisional Officer
PALONCHA

[Signature]
DISTRICT FOREST OFFICER
Bhadraji Kothagudem Dist
Kothagudem

80°47'30"E

80°47'55"E

80°48'20"E

80°48'45"E

17°27'30"N

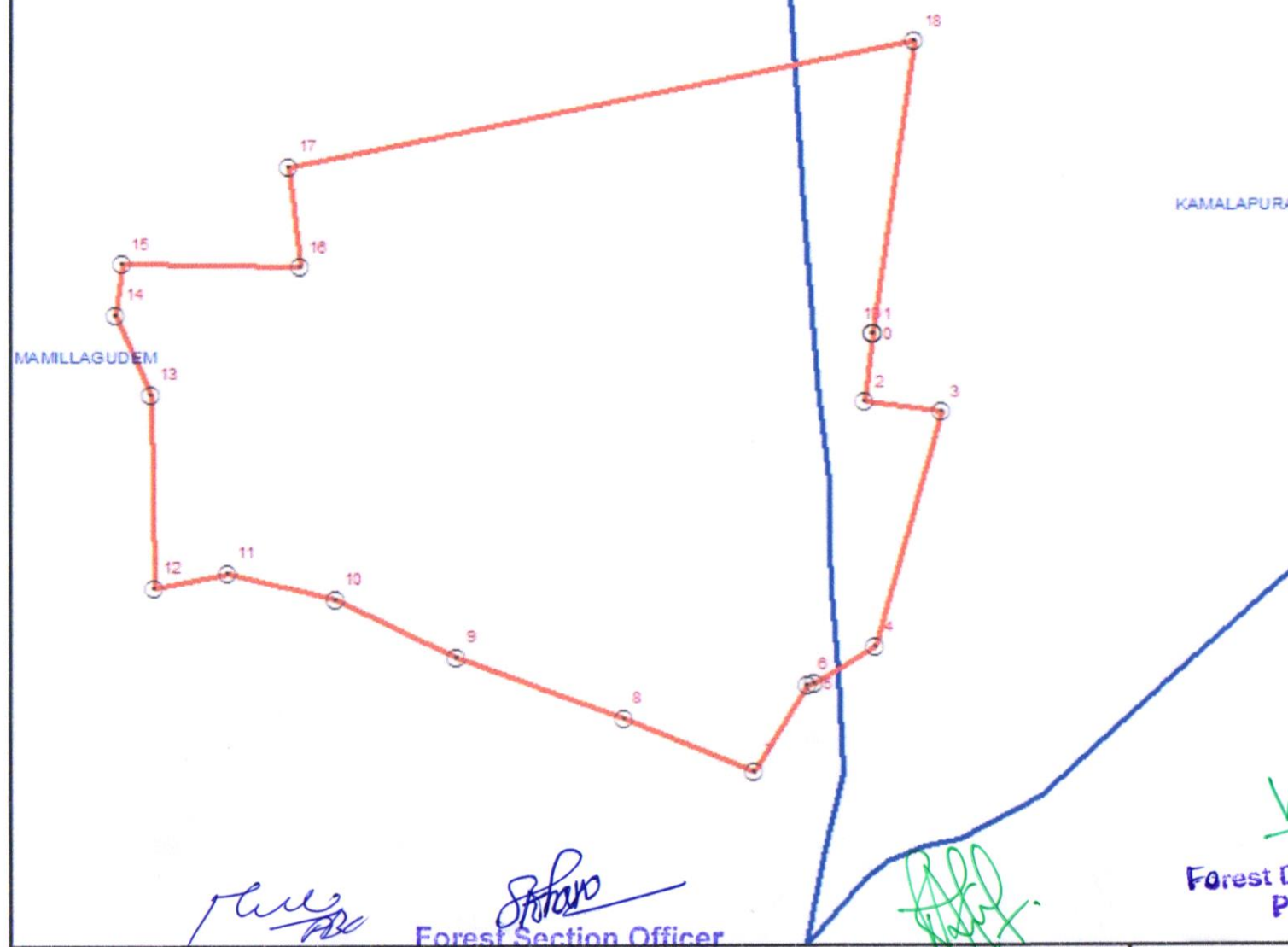
80°48'20"E

17°27'30"N

Surveyed Sketch of Raising NTSH Plantation of 10 Ha at Compt No 41 of Annapureddipally RF of Mamillagudem Beat of Chaparalapally Section of Mulakalkapally Range :: Rasing 2019-20



1:4,000



S No	Lat	Long
0	17.45517	80.8041
1	17.45517	80.8041
2	17.45478	80.80406
3	17.45473	80.80449
4	17.45337	80.80411
5	17.45317	80.80375
6	17.45316	80.80372
7	17.45266	80.80342
8	17.45297	80.80267
9	17.45332	80.80171
10	17.45365	80.80102
11	17.45381	80.80041
12	17.45372	80.79998
13	17.45483	80.79996
14	17.45529	80.79977
15	17.45558	80.7998
16	17.45556	80.80082
17	17.45614	80.80076
18	17.45685	80.80434

[Signature]
Mamillagudem Beat

[Signature]
Forest Section Officer
CHAPARALAPALLY.

[Signature]
Forest Range Officer
Mulakalapally

[Signature]
Forest Divisional Officer
PALONCHA

[Signature]
DISTRICT FOREST OFFICER
Bhadradi Kothagudem Dist
Kothagudem

80°48'20"E

80°47'30"E

80°47'55"E

80°48'20"E

80°48'45"E

17°27'55"N

17°27'55"N

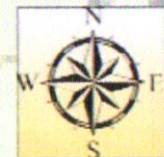
17°27'30"N

17°27'30"N

17°27'5"N

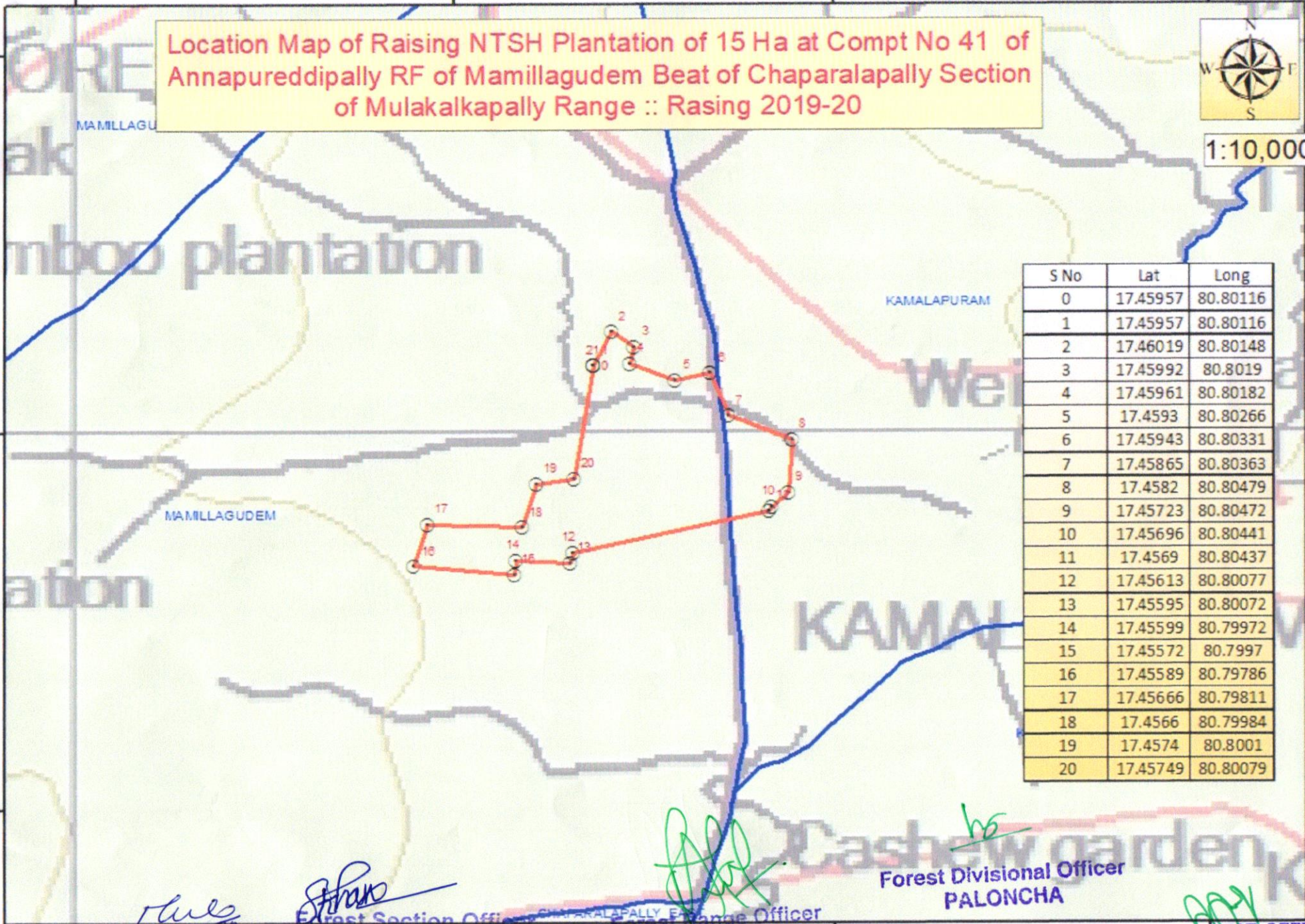
17°27'5"N

Location Map of Raising NTSH Plantation of 15 Ha at Compt No 41 of Annapureddipally RF of Mamillagudem Beat of Chaparalappally Section of Mulakalkapally Range :: Rasing 2019-20



1:10,000

S No	Lat	Long
0	17.45957	80.80116
1	17.45957	80.80116
2	17.46019	80.80148
3	17.45992	80.8019
4	17.45961	80.80182
5	17.4593	80.80266
6	17.45943	80.80331
7	17.45865	80.80363
8	17.4582	80.80479
9	17.45723	80.80472
10	17.45696	80.80441
11	17.4569	80.80437
12	17.45613	80.80077
13	17.45595	80.80072
14	17.45599	80.79972
15	17.45572	80.7997
16	17.45589	80.79786
17	17.45666	80.79811
18	17.4566	80.79984
19	17.4574	80.8001
20	17.45749	80.80079



[Signature]
 Forest Section Officer
 Mamillagudem Beat
CHAPARALAPPALLY.

[Signature]
 Forest Range Officer
 Mulakalappally

[Signature]
 Forest Divisional Officer
PALONCHA

[Signature]
 DISTRICT FOREST OFFICER
 Bhadradi Kothagudem Dist
 Kothagudem

80°47'30"E

80°47'55"E

80°48'20"E

80°48'45"E

80°47'55"E

80°48'20"E

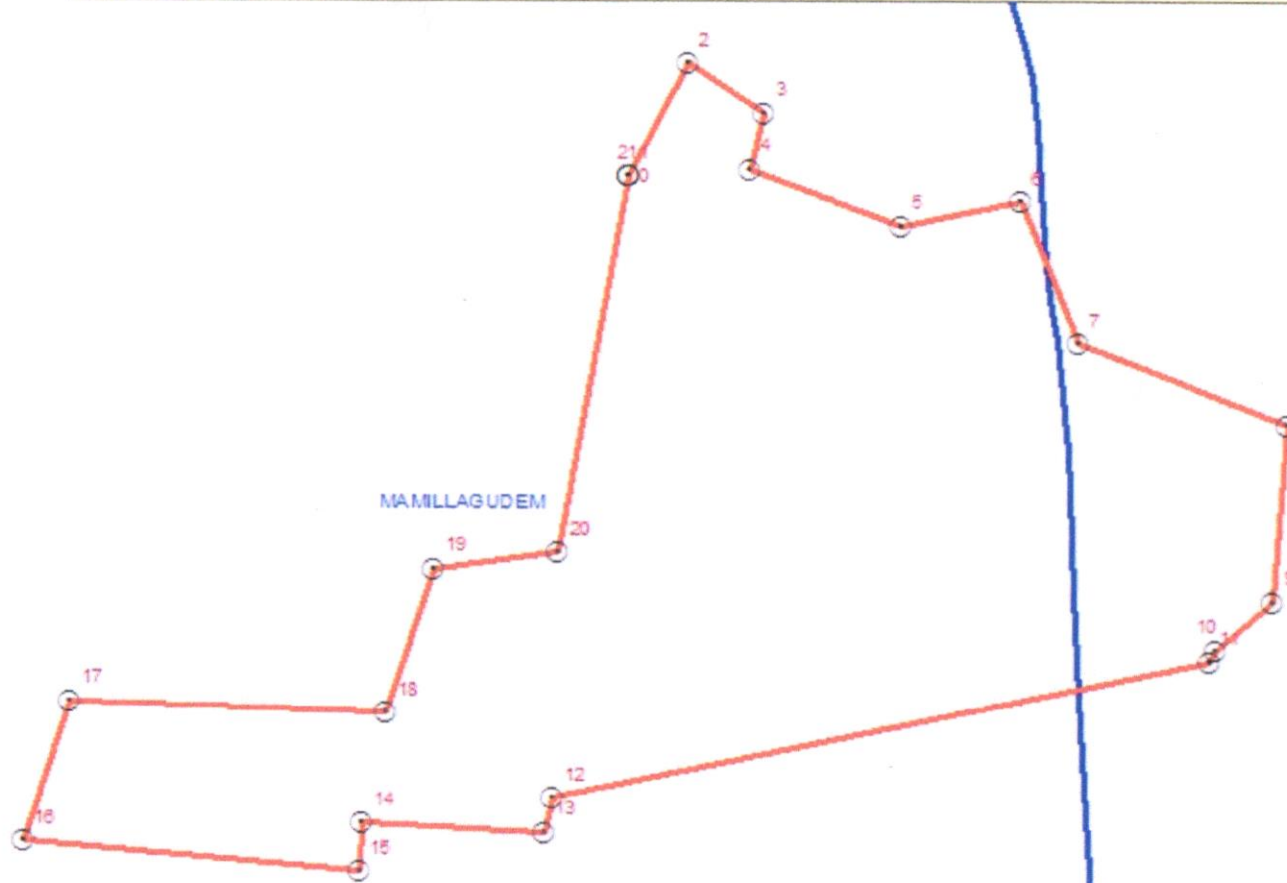
Surveyed Sketch of Raising NTSH Plantation of 15 Ha at Compt No 41 of Annapureddipally RF of Mamillagudem Beat of Chaparalapally Section of Mulakalkapally Range :: Rasing 2019-20



1:4,500

17°27'30"N

17°27'30"N



S No	Lat	Long
0	17.45957	80.80116
1	17.45957	80.80116
2	17.46019	80.80148
3	17.45992	80.8019
4	17.45961	80.80182
5	17.4593	80.80266
6	17.45943	80.80331
7	17.45865	80.80363
8	17.4582	80.80479
9	17.45723	80.80472
10	17.45696	80.80441
11	17.4569	80.80437
12	17.45613	80.80077
13	17.45595	80.80072
14	17.45599	80.79972
15	17.45572	80.7997
16	17.45589	80.79786
17	17.45666	80.79811
18	17.4566	80.79984
19	17.4574	80.8001
20	17.45749	80.80079

[Signature]
 mamillagudem beat

[Signature]
 Forest Section Officer
 CHAPARALAPALLY.

[Signature]
 Forest Range Officer
 Mulakalapally

[Signature]
 Forest Divisional Officer
 PALONCHA

[Signature]
 DISTRICT FOREST OFFICER
 Bhadradi Kothagudem Dist
 Kothagudem

14/11/98
Kothagudem

Re.No. 347/96/82,
Dated: 29-11-98.

OFFICE OF THE DIVISIONAL
FOREST OFFICER, KOTHAGUDEM.

From
Sri Vipin Chaudhary, IFS.,
Divisional Forest Officer,
Kothagudem.

To
The Conservator of Forests,
Khammam Circle,
KHAMMAM.

Sir,

Sub:- Diversion of 124 Ha. of Forest land for
Gowtham Khani O. C. S. II phase-II - Kothagudem
division - infavour of M/s. S. G. Co.Ltd., -
Report submitted - R e g a r d i n g.

Ref:- 1) C. P., KMR., Re.No.6100/96/M10, dt.14/11/98.

-oOo-

With reference to the above I submit herewith the
sketches of the safety zone area of Open Cast Project - II
Phase II Gowtham Khani indicating the station Numbers.
Further I submit that the area from Station No. 3 to P 24.
is 3.2670 Ha. and from Station No. P 24 to 5 is 2.9402 Ha.
As such the total area of safety zone is 6.2072 Ha.

I Further submit that the Chief General Manager,
Singareni Collieries Company Kothagudem has furnished a
Cheque No.32933 dated 23-11-98 for Rs. 3,66,000/- infavour
of Divisional Forest Officer, Kothagudem towards cost of
raising enrichment Plantation over 1 1/2 times of the
safety zone area.

This is submitted for favour of kind information.

Encl:- Sketch

Yours faithfully,
Sd/-Vipin Chaudhary,
Divisional Forest Officer,
Kothagudem.


Copy to the Chief General Manager, Singareni Collieries Co.,
Limited, Raichampur for information.

Sd/-Vipin Chaudhary,
Divisional Forest Officer,
Kothagudem.

/t. o. b. o./

A. R. K.
Superintendent 9/11/98

Ex GB
9/11


DISTRICT FOREST OFFICER
Bhadradi Kothagudem Dist
Kothagudem

NO.No.347/96/82,
Dated 12-12-1998.

Office of the Divisional
Forest Officer, Kothagudem.

From
Sri Vipin Chaudhary, IFS,
Divisional Forest Officer,
Kothagudem.

To
The Conservator of Forests,
Khammam Circle,
Khammam.

Sir,

Sub:- Diversion of 124 Ha. of Forest land for
Gowtham Khani OCP-II - Phase-II Kothagudem
Division - In favour of M/s. S.C.Co.Ltd., -
Report submitted - Reg.
Ref:-This office NO.No.347/96/82, dt. 29-11-1998.

In continuation of this office reference cited
above, I submit that the amount of Rs.3,66,000/- paid
by the S.C.Co.Ltd., through cheque NO.32933 dt. 23.11.1998
has been remitted as per challan No.2579 dt. 30-11-98
under the following head of Account.

"8782. Cash remittances
103. Forest remittances"

However, Accountant General, Hyderabad is being
addressed to transfer the funds under;

"0406. Forestry & Wild Life.
01. Forestry
MH. 800. Other receipts
SH. 010. Other receipts"

This is submitted for favour of kind information.

Yours faithfully,
Sd/- Vipin Chaudhary,
Divisional Forest Officer,
Kothagudem.

Copy to the Forest Range Officer, Ramavaram. His
attention is drawn to this office ref. No(even)
dated 2.11.1998. Wherein he was directed to
survey the 106.5 Ha. of Forest land and submit
the surveyed sketch etc. He is informed that
this area is to be handed over to the A.P.F.D.C.
in lieu of the area being diverted to the APFDC
for Gowtham Khan OCP-II. The report is urgently
required by the Conservator of Forests, Khammam.
He is directed to submit surveyed sketches
urgently.

Copy to the AI section, along with the challan No.2579
dt. 30.11.98 for Rs.3,66,000/- for necessary
incorporation in the Division cash book as per
the instructions contained in Prl. CCF's Ref.
No.22458/89/F4, dt. 24.10.1998 and inform the
credit particulars.

Sd/- Vipin Chaudhary,
Divisional Forest Officer,
Kothagudem.

/t.c.b.o./

A R
Superintendent


DISTRICT FOREST OFFICER
Bhadradri Kothagudem Dist
Kothagudem

SCHEME PROPOSALS FOR COMPENSATORY AFFORESTATION OF
ENRICHMENT PLANTATION I.e., 1 1/2 TIMES OF THE SAFETY
ZONE AREA OF GOVTAM KHANI OPEN CAST PROJECT-II
OF SINGARENI COLLIERIES COMPANY LIMITED KOTHAMVEDAM.

-1100011-

A. Introduction of the scheme:-

The Government of India vide letter no.8-17/98-FC dated 17.6.1998 have conveyed its approval in principle (state-I) for diversion of 124 hectares of Forest Land in Ramavaram Reserve Forest for Open Cast Project-II Phase-II in favour of M/s. Singareni Collieries Company Limited subject to transfer the cost of enrichment to an extent of one and half time of safety zone area over degraded Forest Land elsewhere.

B. Scheme:- The Compensatory Afforestation is to be carried over 9,311 hectares (i.e., 1 1/2 times of the safety zone area 6,2072 + 3,1038). The Principal Chief Conservator of Forests, Andhra Pradesh, Hyderabad vide letter No.45488/96/F1, dated 12.9.1998 has requested to submit report. The Conservator of Forests, Khammam vide letter No.6100/96/M11, dated 18.9.1998 has requested to submit the Compensatory Afforestation scheme. The degraded forests to an extent of 9,311 hectares has been identified in beat Garibpet, Compartment No.10, Reserve Forest Ramavaram.

C. Brief description of the area:- The area is adjoining to right side the proposed road leading to Govt. Khani Open Cast Project quarters.

D. Treatment Proposed:- The degraded Forest Area of 9,311 hectares for Compensatory Afforestation is selected in compartment No.10 Reserve Forest Ramavaram. The area bears Teak with associates and is fully degraded forests. The area is suited for compensatory afforestation. Keeping of over-all stocking and soil of the area it is proposed to afforest the area with bamboo and Eucalyptus Clonal Plants. The scheme will be spread over (5) years starting from 1999-2000 to 2003-2004. The various operations to be carried out during the entire period of the scheme and the amounts required are as shown below.

Contd...Pg...2

<u>Year</u>	<u>Item of work</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount (Rs.)</u>
1999-2000	1) Raising of Nursery for 1999-2000.	By purchase of Clonal plants (13800) Nos.	₹ 6/-	83,400
	2) Advance Operations for 1999-2000.	9.311 Ha.	₹ 8032/-	74,786
2000-2001	1) Raising of Plantation.	9.311 Ha.	₹ 9287/-	86,471
2001-2002	1) 1st Year Maintenance of Plantation.	9.311 Ha.	₹ 5183/-	48,259
2002-2003	1) 2nd Year maintenance of Plantation.	9.311 Ha.	₹ 4530/-	42,179
2003-2004	1) 3rd Year Maintenance of Plantation.	9.311 Ha.	₹ 3276/-	30,503
				3,65,598
			OR	3,66,000

2) Species proposed to be raised in Compensatory Afforestation

<u>Local Name</u>	<u>Botanical Name</u>
Eucalyptus	.. Eucalyptus Parvicornis
Bamboo	.. Bambusa Bambos

3) Raising of Nursery - By purchase of Clonal Plants.

4) Advance Operations to be treated:-

<u>Year</u>	<u>Name of West</u>	<u>Compartment No.</u>	<u>Area in Hectrs.</u>
1999-2000	Garhpet	10	9.311 Ha.

5) Yearwise areas to be treated:-

<u>Year of Raising</u>	<u>Name of West</u>	<u>Compartment No.</u>	<u>Area in Ha.</u>
2000-2001	Garhpet	10	9.311 Ha.

Maintenance of Plantation

2001-2002	9.311 Ha.
2002-2003	9.311 Ha.
2003-2004	9.311 Ha.

The Yearwise Requirement of Funds are as follows:


<u>Sl. No.</u>	<u>Y. & S. I.</u>	<u>Amount Required (Rs.)</u>
1)	1999-2000	.. 183,400
		174,786
2)	2000-2001	.. 86,471
3)	2001-2002	.. 48,259
4)	2002-2003	.. 42,179
5)	2003-2004	.. 30,503
		3,65,598
	OR	3,66,000/-

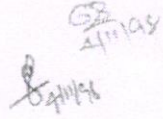
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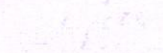
Page : 3 :

I submit herewith the following information
for favour of kind information.

- 1) Location sketch of the Compensatory
Afforestation Area.
- 2) Itemwise breakup of works proposed to
be takeup with unit rates.


DIVISIONAL FOREST OFFICER
KOTHAGUDEN.


S. Amay


Forest Range Officer
Rawavara



DISTRICT FOREST OFFICER
Bhadrañ Kothagudem Dist
Kothagudem

SOIL SUITABILITY CERTIFICATE.

It is certified that the area of 9.311 hectares degraded forest selected for compensatory afforestation in compartment No.10, Reserve Forest, Ramavaram, beat Garibpet is suitable for afforestation.

Date: 3-11-1998.

Forest Range Officer,
Ramavaram.


Divisional Forest Officer,
KOTHAGUDEM.

OS
4/11/98


DISTRICT FOREST OFFICER
Bhadrajn Kothagudem Dist
Kothagudem



Rc.No.3972/90/P5,
Dated.1..7..1992.

Office of the Divisional
Forest Officer, Paloncha.

From

Sri Pushker Srivastava, I.F.S.
Divisional Forest Officer
PALONCHA.

To

The Conservator of Forests
Khammam Circle
KHAMMAM.

Sir,

Sub:- M & M Diversion of Forest Land for Gouthamkhani
Open Cast Project over an extent of 261.35 Hec.
in Compartment No.156/P.Ramavaram R.F.
Kothagudem Division of Khammam District -
Regarding.

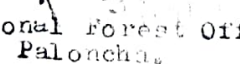
Ref:-1) C.F.Khammam Rc.No.11145/89/M11 dt.26.6.1992.
2) C.F.Khammam Rc.No.1059/92/M11(ii) dt.26.6.1992.

With reference to the reference 1st cited above,
I am submitting herewith the Revised Compensatory
Afforestation Scheme for Rs.30,28,000/-. I request the
Conservator of Forests Khammam to kindly forward the same
to the Principal Chief Conservator of Forests, Andhra
Pradesh, Hyderabad.

Further I submit that the User Agency(Singareni
Collieries Company Limited) has already paid Rs.30,28,000/-
through Cheque Bearing No.CC/J/0033943 dated.30.3.1992 on
State Bank of Hyderabad, Kothagudem towards the cost of
Afforestation Cost for 261.31 Hectares. The same was
remitted through challan No.261 dated.3.4.1992 in State Bank
of Hyderabad, Kothagudem under the Head of Account
2443. Civil Deposits- 109.Forest Remittances.

This is submitted for favour of information.

Yours faithfully,


Divisional Forest Officer
Paloncha.

ADVISED COMPENSATORY AFFORESTATION BECAUSE FOR 261.31 HECTARES IN SI. NO. 116 OF RAHAMNAGUDEN VILLAGE OF MULKALPALLI MANDALAM KHAMMAM DISTRICT IN LIEU OF COMPENSATORY AFFORESTATION AREA FOR GOUTHANAGUDI OPEN CAST COALFIELD AT RAHAMNAGUDI COLLIERY COMPANY LIMITED CO. NO. 116 OF RAHAMNAGUDI VILLAGE OF MULKALPALLI MANDALAM DIVISION 1-

INTRODUCTION:- The Singareni Collieries Company Limited has sent proposals for surface right over an area of 261.31 hectares of Reserve Forests area in Rahavaram Compartment No. 156 of Kothagudem Forest Division. The company has already handed over 261.31 Hectares Compensatory Afforestation Area in Sy.No. 116 of Rahannagudem village of Mulkalpalli Mandalam of Khammam District.

BRIEF DESCRIPTION OF THE AREA:- The area is situated adjacent to Compartment No. 3 and 10 of Pogallapalli Reserve Forests in two Bits of Paloncha Range. The area contains good forest growth. The Forest type is "The Southern Tropical Dry Deciduous Forest". The height of the tree growth varies from 5 to 15 metres and density from 0.4 to 0.8 having the following species.

<u>LOCAL NAME</u>	<u>TOP CORREPI</u>	<u>BOTANICAL NAME</u>
1) Chiruman		Anogeisous latifolia
2) Bojja		Xylia dolabriformis
3) Satia		Chloroxylon swetenia
4) Chinnangi		Lagerstoraia parviflora
5) Zappa		Azadiracata indica
6) Sandra		Acacia sandra
7) Somi		Boymida foerifuga.
<u>MIDDLE CORREPI</u>		
1. Chilla		Strychnos potatorum
2. Taniki		Dillenia pentagyna
3. Karaka		Terminalia chebala
<u>LOWER CORREPI</u>		
1. Pala		Manilaka raharandra
2. Bella		Cassia fistula
3. Palakodisha		Wrightia tinctoria

One bit covering an area of 103.65 Hect. is almost plain with minor undulations, the most of the area to an extent of 157.66 Hectares hilly with Red Top Soils with pebbles.

(Contd. ... 2)

OBJECTIVE OF THE SCHEME :-

1. To improve the existing tree growth.
2. Protection of Soil and Prevention of Soil erosion.
3. To make the area capable of yielding minor forest Produce on sustained basis and having 2,500 trees/ per Hectare.

BASIS FOR PROPOSALS :- It is proposed to retain the existing tree growth in the Land and Supplement it by planting M.F.P. Species like Neem, Neradu, Mohua, Tapai, Soapnut etc., in the gaps.

- 1) Digging of cattle proof trenches over a length of 15,000 Mt. all around the 2 Bits.
- 2) Providing live hedge fencing by planting Babul on mound formed by dugup earth.
- 3) Construction of R.C.C. Pillars (60) Nos. in or over to fix the boundary permanently.
- 4) Providing Barbed Wire fencing along the side adjoining to Revenue Lands.
- 5) Staged contour trenches will be dug on lower reaches as a measures of moisture conservation.
- 6) Cultural Operations like Climber Cutting to improve the existing growth.
- 7) Planting M.F.P. Seedlings in the existing gaps 1.41.107 Bag Plants in 261.31 Hectares area.

ESTIMATES FOR 261.31 HECTARE AREA

Sl No.	Item of work.	Quantity.	Rate	Per	Amount in Rs.
1	2	3	4	5	6
1.	Digging of cattle proof trenches 1 x 1 x 1.5 Mt. and staged contour Trenches.	15,000 Mt.	17/-	Mt.	2,55,000.00
2.	Construction of R.C.C. Pillars.	60 Nos.	800/	each	48,000.00
3.	Providing Barbed wire Fencing and including cost of Barbed wire and Fixing with 5 stands with R.C.C. posts.	4,000 Mt.	110/-	Mt.	4,40,000.00
4.	Planting Babul Plants on Mounds 12,000.	12,000	1.40/	Plant	16,800.00

1	2	3	4	5
5. 1st year Maintenance		12,000	0.43 Plant	5,160.00
6. Sap planting with M.F.P. 1,41,107 Nos.		1,41,107	6.31 ..	8,90,385.00
7. 1st year Maintenance		1,41,107	1.45 ..	2,04,605.00
8. Marking of Contour benches.		6,000 Amt.	8.00 Amt.	48,000.00
9. Cultural Operations		261.00 Rec.	453.00 Rec.	1,18,233.00
10. Nursery cost including Maintenance :				
a) Sapling (As per Scheme rate @ 0.90 + 0.09)		20,000	1.00 each	20,000.00
b) M.F.P. Sap Plants (0.99 + 1.01)		1,45,000	2.00 ..	2,90,000.00
11. Providing Oil Engines Tools Motor Equipment etc. etc.		L.S.	-	1,00,000.00
12. Watch and ward 3 Nos for 3 years/two Mts 3 x 2 x 3 x 12 @ 800/- per Month.		800/- per Month.		1,72,800.00
13. Miscellaneous Establishment over heads including Supervision charges and provision of inspection Hut near the Compensatory Afforestation Area.		L.S.	-	4,19,017.00
Total Rs.				30,28,000.00


 Divisional Forest Officer
 Palencha.
 11/7/92

MAINTENANCE

Item No.	Item of work.	P. S. R. Item No.	Rate including 10% in Re.	enhancement of 10% in wage rate in Re.	Estimated Rate in Rs.	Amount in Re.
1	2	3	4	5	6	7
1.	Digging of Cattle Proof Trench. 1x1x1.5 Mts. Rmt.	25.1	15.29	1.55	16.82 or 17.00	17.00/ Rmt.
2.	Construction of R.C.C. 1:3:6 as per P.S.D. Rate.	3.4			800.00	800.00/each
1. RAISING OF RAHUL PLANTS 3M x 3M ON BUNDS:-						
1.	Digging of 30 Cum. cube pits from November to March.	28.8	0.66	0.06	0.73	0.73/ pit
2.	Transportation of Bag Plants.	28.9	108.25	10.83	119.08	119.08/1,000
3.	Loading and Unloading of Bags.	28.10	29.26	2.93	32.19	32.19/1,000
4.	Internal Transportation of Bag Plants.	28.11	29.26	2.93	32.19	32.19/1,000
5.	Planting of Bag Plants	28.13	79.86	7.98	87.84	87.84/ 1,000
6.	Cost of application of Chlorodan Dust.	28.16	30.50	3.05	33.55	30.20/1,000
7.	Circular Weeding, Soil working and Mounding.	28.17	0.13	0.01	0.14	140.00/1,000
8.	Replacement of Casualties.	28.23	572.00	57.20	629.20	629.20/1,000 125.84/ 2000
9.	Miscellaneous Expenditure.	L.S.	-	-	-0.10	100.00/1,000
						1,397.34/1,000
						Rate per Plant.
						1,397 (or) 1.40/ Plant

1st YEAR MAINTENANCE OF RAHUL PLANTS 3M x 3M ON BUNDS :-

1.	Replacement of Casualties.	29.1	572.00	57.20	629.20	125.84/1,000
2.	Soil working	29.5	179.30	17.93	197.23	197.23/1,000
3.	Miscellaneous Contingencies.	L.S.	-	-	-	100.00/1,000
						Total.
						423.07/1,000 0.43/ Plant

1	2	3	4	5	6	7
<u>CULTURAL OPERATIONS</u>						
1. Cutting back of Coppice shoots.	28.4	121.00	12.10	135.10	135.10	135.10/ Hec.
2. Mounding to Natural Plants. 800 plants per Hec.	30.18	0.13	0.02	0.15	120.00	120.00/ Hec.
3. Gully ploughing (Est.) 10 Mt./ Hectare.	28.5	18.15	1.82	19.97	199.70	
					Total Rs.	452.80 (or) 453.00/Hec.

RAISING PLANTS 6M x 6M AN GAP PLANTING:-

1. Cutting of slash growth in nursery areas)	30.2 (a)	220.00	22.00	242.00	242.00/ Hec.	0.87/ Plant
2. Digging of pits 0.50 Mt. cub	30.7	2.00	0.20	2.20	2.70/ pit	
3. Filling the pits	30.9	53.32	5.33	58.65/100	0.58/ Pit	2x12/2000
4. Cost of Chlorodan Dust (10) Grams.					0.12/ Plant	
5. Cost of Fertilizers	30.11	L.S.	-	-	0.30/ plant	
6. Cost of Application of Fertilizers.	30.12	0.03	0.003	0.04	0.04/ plant	
7. Transportation of Bag Plants.	30.13	19.80	1.98	21.78/1000	0.22/ plant	
8. Loading and unloading	30.14	9.29	0.92	10.21/100	0.10/ plant	
9. Internal transportation.	30.15	9.29	0.92	10.21/100	0.10/ plant	
10. Replacement of Casualties.	30.16	200.00	20.00	220.00	0.80/ plant	
11. Circular seeding	30.17	66.55	6.65	73.20	0.27/ ..	
12. Circular seeding Soil working.	30.18	0.13	0.02	0.15	0.15/ ..	
13. Miscellaneous Contingencies.	L.S.	-	-	-	0.20/ ..	
					Total	6.31/ plant

(Contd....)

1st Year EXPENDITURE

	1	2	3	4	5	6	7
1. Replacement of Casualties including transportation.	31.1	199.65	19.96	219.61	220.00/	Rec.	
2. Circular logging	31.20	66.55	6.65	73.30	73.20/	Rec.	
3. Soil working	31.3	93.17	9.31	102.48	102.48/	Rec.	
4. Miscellaneous	31.7	-	-	-	5.00/	Rec.	
					201.68/	Rec.	
					1.444/	Plant	
					(or)		
					1.17/	Plant	

[Signature]
 Divisional Forest Officer
 Paloncha.

2386108/2024/FCA SECTION-PCCF

GOVERNMENT OF TELANGANA
FOREST DEPARTMENTPCCF & HoFF
T.S. PESHI

From: Sri. D. Bheema Naik., IFS.,
Chief Conservator of Forests,
Bhadradi Circle, Warangal.

To: The Prl.Chief Conservator of Forests (HoFF),
Telangana State,
H Y D E R A B A D

01 FEB 2024

Rc.No.501/2023/DM, Dated: 31.01.2024

Sir,

Sub: TSFD – Forest (Conservation) Act 1980 - Diversion of **649.3014 Ha** of Forest land in
- Ramavaram RF, Ramavaram Range of Kothagudem Forest Division for grant of Mining
lease for proposed Venkatesh Khani OCP from Underground rights to Surface rights in
Kothagudem area in favour of M/s. SCCL Kothagudem – Submission of EDS
information as desired by the GoI, MoEF & CC, New Delhi – Further Report – Submitted
- Reg

Ref: 1. GoI, MoEF&CC, F.No. 8-05/2021/FC, Dt. 21.11.2023
2. IGF (C), Hyderabad Ltr. No. 4-TSA284/2022-HYD/675, Dt. 20.09.2023
3. DFO, Bhadradi Kothagudem Rc.No.241/2020/D1, Dt.29.01.2024

Adverting to the reference 1st cited above, the District Forest Officer, Bhadradi Kothagudem vide reference 3rd cited above has submitted that, the Forest Divisional Officer, Kothagudem has submitted a report stating that, the Dy. Inspector General, IRO, Hyderabad, MoEF&CC has raised the EDS objection that, *“the User Agency had transferred Rs.3.66 Lakhs towards plantation in the safety zone area and Afforestation on one and half times of safety zone area. During monitoring, it was noticed that there is no safety zone maintained and the DFO could not show the one and half times of DFL on which Safety Zone Afforestation was carried out.”*

In this regard, the District Forest Officer, Bhadradi Kothagudem has submitted that, the Forest Divisional Officer, Kothagudem has reported that, he has verified the records and found that the 1½ times of safety zone area in degraded forest land for the proposal of 124 Ha of GKOC Phase-II, for an extent of 9.311 Ha was raised in Compt., No. 3, Ramavaram Beat, Ramavaram Range of Kothagudem Division.

Further, the District Forest Officer, Bhadradi Kothagudem has submitted that, the Forest Divisional Officer, Kothagudem has reported that, as per his instructions, the Forest Range Officer, Ramavaram has submitted a detailed report that, she was inspected the plantation area on 25.01.2024 and found that an extent of 9.311 Ha have been raised in

2386108/2024/FCA SECTION-PCCF

Compt., No. 3, Ramavaram Beat of Ramavaram Range of Kothagudem Division and reported that, the said plantation area was not falling in the proposed diversion of 649.3014 Ha of Forest land in Ramavaram RF of Ramavaram Range of Kothagudem Forest Division for grant of mining lease for proposed Venkatesh Khani OCP from Underground rights to Surface rights in Kothagudem area in Bhadradi Kothagudem District in favour of M/s. SCCL.

In view of the above, the District Forest Officer, Bhadradi Kothagudem has submitted the TOPO Graphical map, Photographs and Plantation Journal of above said 9.311 Ha of safety zone area received from the Forest Divisional Officer, Kothagudem and requested to forward to the Prl.Chief Conservator of Forests (HoFF), Telangana, Hyderabad for further action.

Therefore, based on the report of the District Forest Officer, Bhadradi Kothagudem The TOPO Graphical map, Photographs and Plantation Journal of above said 9.311 Ha of safety zone area received from the District Forest Officer, Bhadradi Kothagudem are submitted herewith in (3) sets for favour of kind further necessary action.

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

Encl: As above

Yours faithfully,

Signed by Daravath Bheema

Date: 31-01-2024 12:22:26

Chief Conservator of Forests,
Bhadradi Circle, Warangal.

Reason: Approved

Copy submitted to the Prl.Chief Conservator of Forests (FCA), Telangana, Hyderabad for favour of kind information and necessary action.

Copy to the District Forest Officer, Bhadradi Kothagudem for information.

//t.c.b.o.//

Superintendent

31/01/2024

2386108/2024/FCA SECTION-PCCF

1/2 times of safety zone area in degraded forest land for the proposal of 124 Ha of GKOC Phase-II, for an extent of 9.311 Ha was raised in Compt., No. 3, Ramavaram Beat, Ramavaram Range of Kothagudem Division



[Signature]
DISTRICT FOREST OFFICER
Bhadradi Kothagudem Dist
Kothagudem
29/11/24




DISTRICT FOREST OFFICER
Bhadradi Kothagudem Dist
Kothagudem


29/1/24

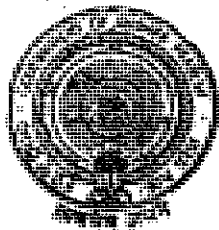
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C.A. PLANTATION

BEAT: RAMAVARAM

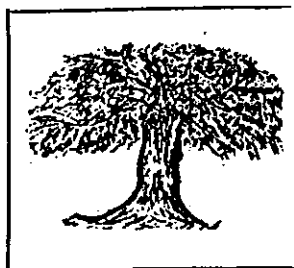
AREA:

YEAR: 2001



GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT
KHAMMAM GIRGLE

FOREST WEALTH



SOURCE FOR HEALTH

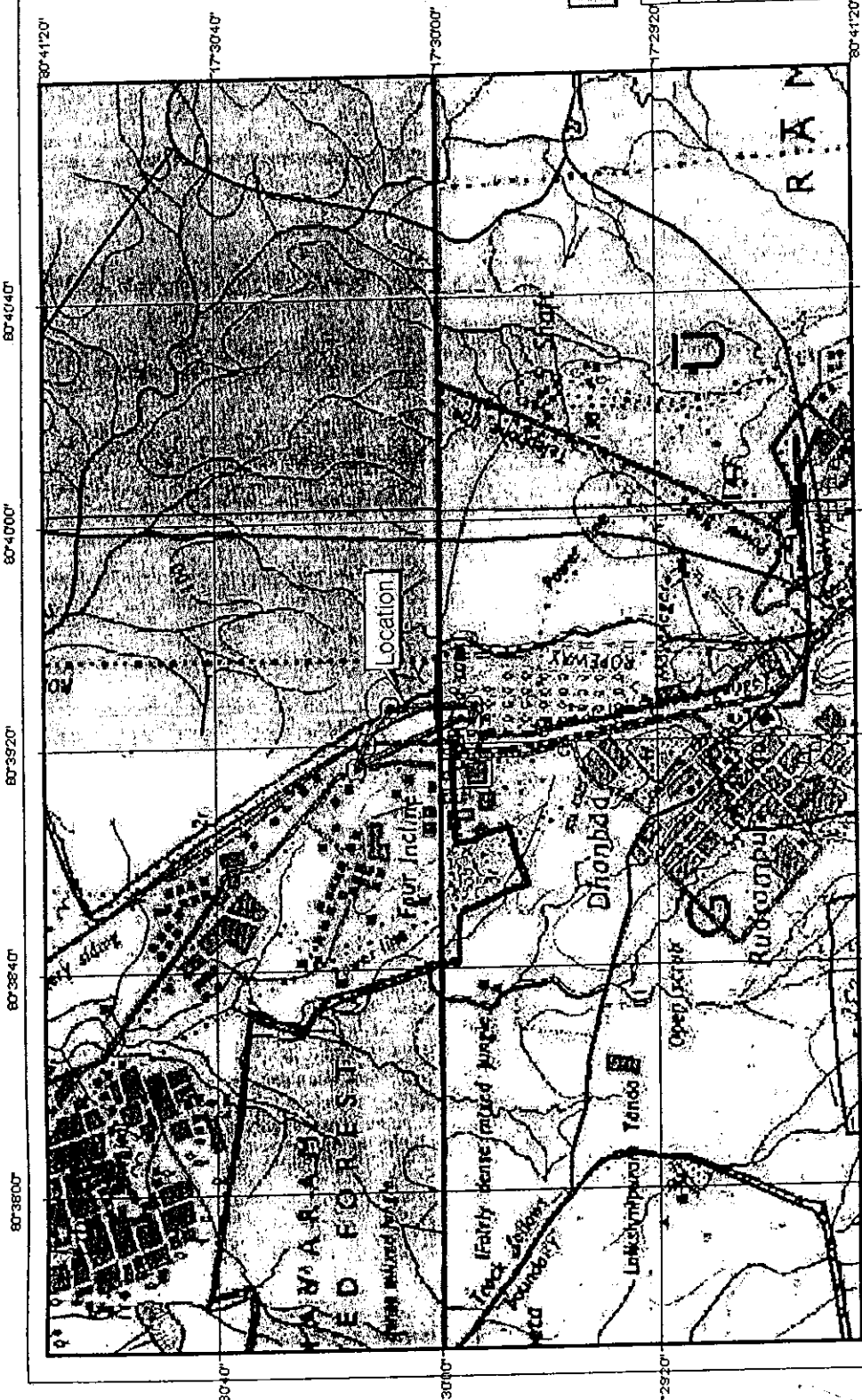
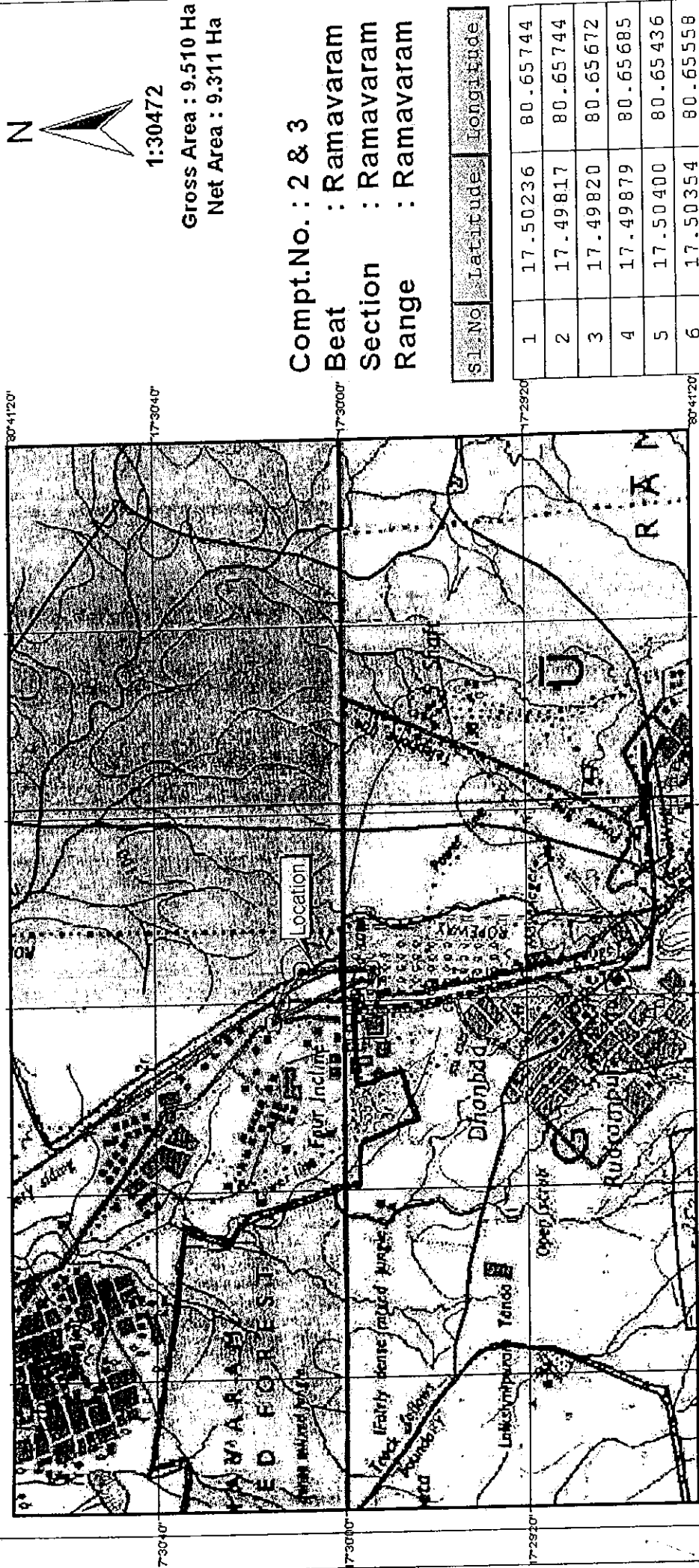
PLANTATION JOURNAL
 OF

YEAR 2001

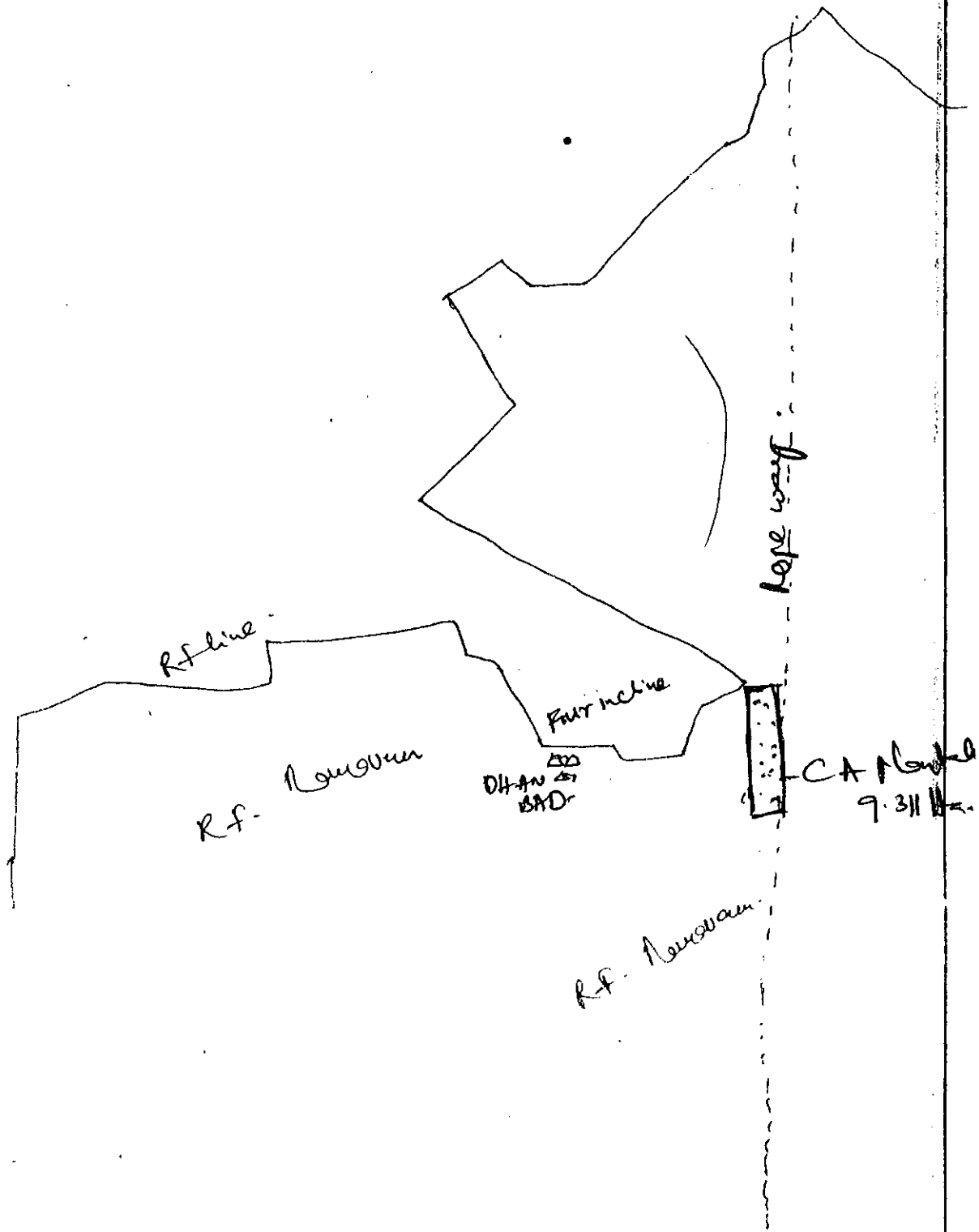
1. Division : KOTHAGUDEH
 - i) Territorial Division
 - ii) Functional Division
2. Range : RAMAVARAM
 - i) Territorial
 - ii) Functional
3. District : KHAMMAM.
4. ~~Taluk~~ ^{M.} : KOTHAGUDEH
5. Panchayat Samithi : KOTHAGUDEH
6. Panchayat : S incline.
7. Sy. No. : R. f. Coupt No. 3.

Name of Plantation : C. A.
 Year of Plantation : 2001
 Area : : 9.311 Ha.
 No. of Sectors : 4.

Location map of CA Plantation in Ramavaram Beat



I. LOCATION MAP IN SCALE 1 CM = 640 Mts. (1" = 1 MILE)

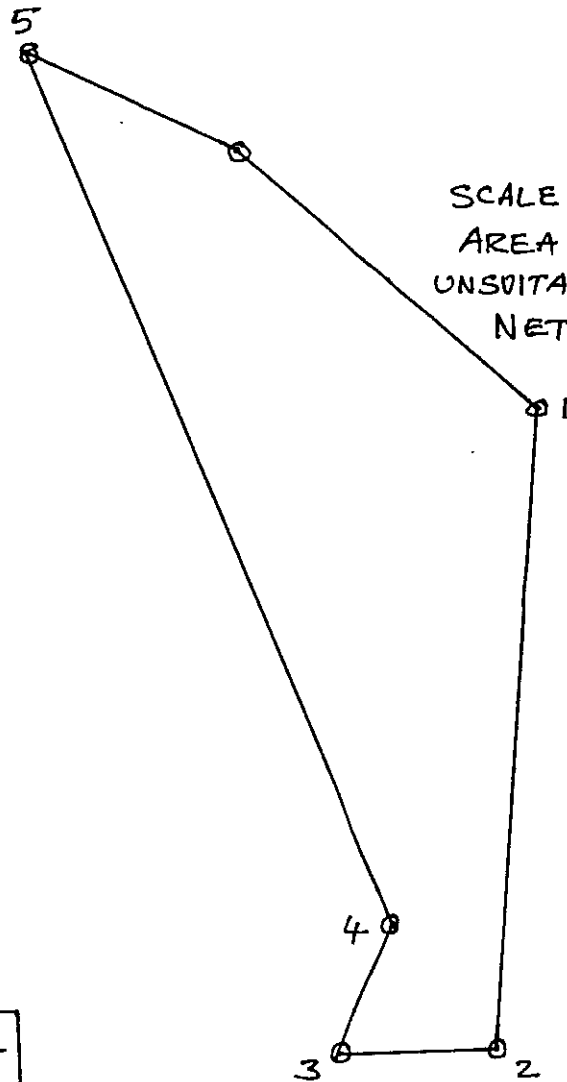


II. SURVEYED SKETCH IN SCALE 1 CM=160 Mts. (4" = 1 MILE)

SURVEYED SKETCH OF C.A PLANTATION IN
RAMAVARAM BEAT. COMPT. NO: 3



SCALE - 1 cm = 50 Mtrs
 AREA - 9.51 Ha
 UNSUITABLE AREA 0.199 Ha
 NET AREA = 9.311 Ha



STATION	BEARING	DISTANCE (mts)
1 to 2	185°	425.8
2 to 3	270°	103
3 to 4	22°	90.8
4 to 5	339°	633.
5 to 6	116°	157.4
6 to 1	132°	263.6

Surveyed sketch of CA Plantation in Ramavaram Beat



1:5000

Gross Area : 9.510 Ha
 Net Area : 9.311 Ha

Compt.No. : 2 & 3
 Beat : Ramavaram
 Section : Ramavaram
 Range : Ramavaram



1	17.50236	80.65744
2	17.49817	80.65744
3	17.49820	80.65672
4	17.49879	80.65685
5	17.50400	80.65436
6	17.50354	80.65558



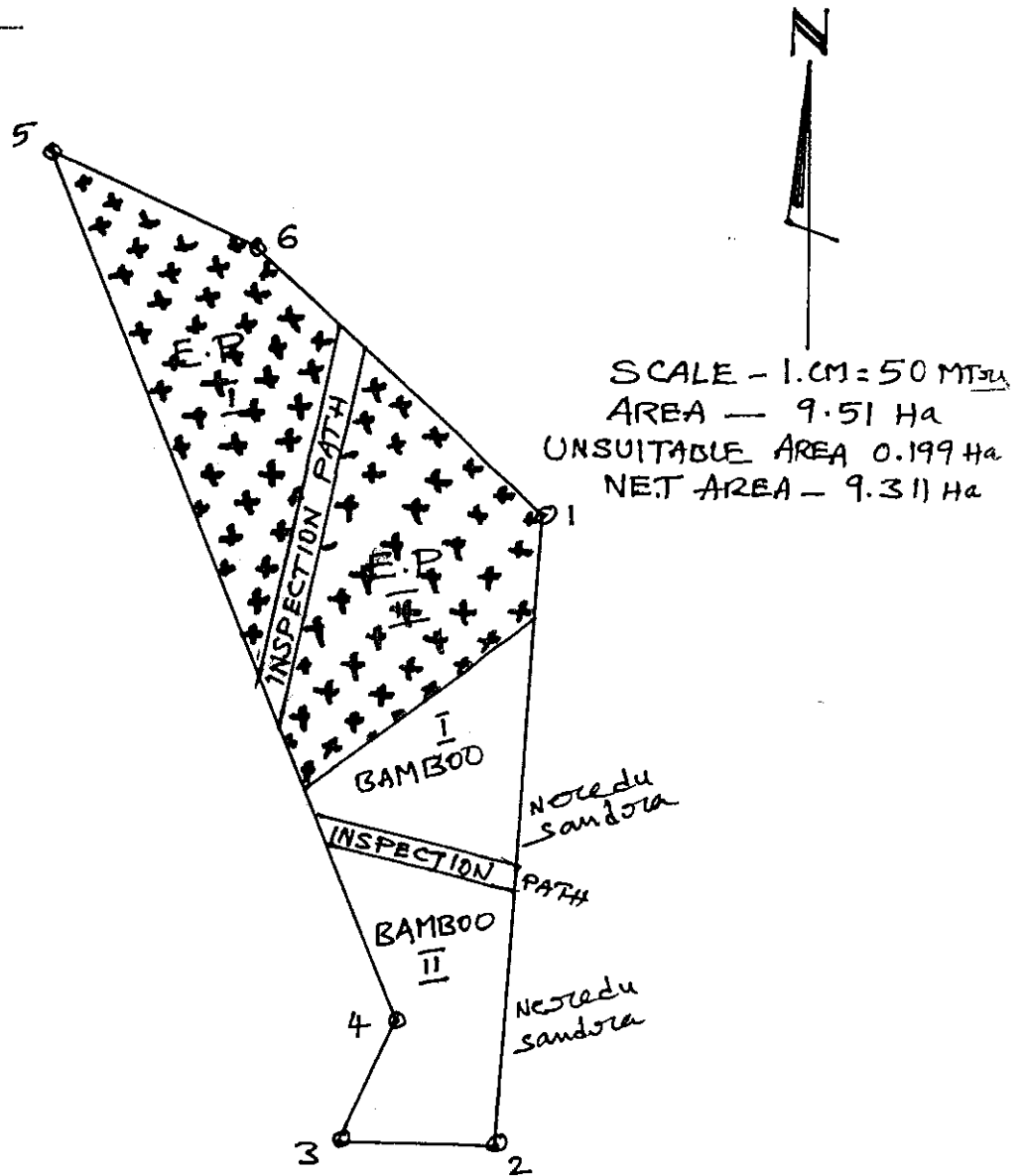
III. TREATMENT MAP

(Scale :- 1 CM = 80 Mts. (8" — 1 MILE))

(Stocking, Soil Type, Location of Soil pits, Natural features)

NOTE :— A minimum of 1 Soil pit for every 10 hec. area is to be dug where there is no change in soil texture.

TREATMENT MAP OF C.A PLANTATION IN RAMAVARAM BEAT
COMPT. NO. 3



STA-TION	BEARING	DISTANCE (Mts)
1 to 2	185°	425.8
2 to 3	270°	103
3 to 4	22°	90.8
4 to 5	339°	633
5 to 6	116°	157.4
6 to 1	132°	263.6

E.P. — 5 Ha — 5555 No's
 I — 2960
 II — 2595
 * 5555
 BAMBOO - 4.311 Ha - 1725 No's
 I — 1059
 II — 666
1725

IV. DETAILS OF PLANTATION

- i) Name of the Reserved Forest/block **RAMAVARAM.**
- ii) Compartment No. : **3.**
- iii) Name of the series : **C.A. PLANTATION.**
C.A. PLANTATION.
- iv) Name of the plantation : **E.P Clones and Bamboo.**
- v) Species planted : **2001**
- vi) Year of plantation : **9-311 H.**
- vii) Area in hectares :
- viii) Espacement : **E.P clones - 3x3.45 = 5 Hg**
Bamboo - 5x5 up - 4.311 H.
- ix) Total No. of planting points : **E.P Clones - 5555**
Bamboo - 1725, Neredu - 800.
Sandra - 50
- x) No. of Sectors : **4**
- xi) Area/planting points of each sector.

Sector No.	Area	Planting points
I EP 2960	2.67 Hct	2960
II " 2595	2.330 Hct	2595
	5.00	<u>5555</u>
III I Bamboo	2.650 Ha	1059
IV II "	1.661 Ha	666
	4.311	<u>1725</u>
V		
VI		

VI. (1) HISTORY IN NARRATIVE FORM

I. SITUATION

Location, Means of approach, Nearby Roads, Rivers, Water-facilities, Villages and labour available, previous experience gained and Techniques adopted, Plantations Altitude, Aspect, slopes etc., Geography, Topography etc., to be given in as much detail as possible.

Location - This plot is located in Camp No. 3 of Rungtun Block in Rangsanam Bel.

Means of approach - Jeep and motor cycle.

Near by roads - Aerial Rope way Road and KTG to TIRUVURU ROAD. (CRAB).

Villages - 3 incline, 4 incline and 5 incline.

Labour available - 3 incline, 4 incline and 7 incline.

Aspect - west to south east.

VI. 2. (a) GEOLOGY, ROCK & SOIL

(Type, Depth Drainage, Laterrite or Rocky out - crops)
Soil profile, Soil Analysis Date & Profile Diagram

GEOLOGY & ROCK : sedimentary rocks having mostly sand stones
with some clay and shale layers.

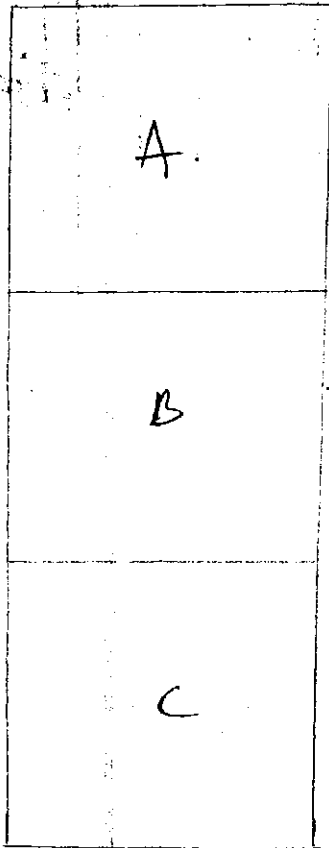
DRAINAGE : well drainage.

TO (b) SOIL DESCRIPTION

(i) PROFILE DIAGRAM

(4) Pits

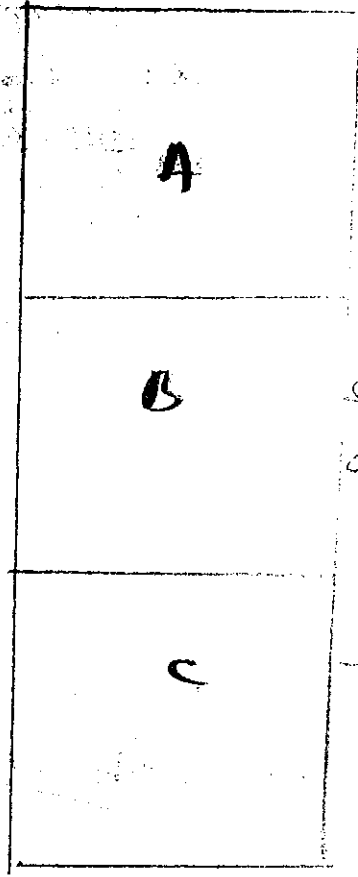
5th pit.



sandy loam soil

sandy loamy soil

sandy loamy soil



sand clay loam soil

sandy clay

Alu. soil

10 (c) SOIL DESCRIPTION

Area (09.31) (15) Bags
 వ్యవసాయ శాఖ - సాయిల్ హెల్త్ కార్డ్

భూసార పరీక్షా ఫలితాలు (సూక్ష్మపోషక పదార్థములతో సహా) మరియు ఎరువుల నిసారస్థు
 భూసార పరీక్షా కేంద్రము: కౌత్ గూడెం నమూనా సంఖ్య: 2618-2629 తేదీ: 26/2/24
 రైతు పేరు: A.P. Forest Range Office గ్రామము: Ramachandrapur సర్కే నెం: C.A. Mambathu
 మండలం: Kothamangalam జిల్లా: మైసూరు and clayer soil

- I. 1. నేల స్వభావము (S) తేలిక నేలలు ✓ మధ్యరకపు నేలలు ✓ బరువు నేలలు ✓
- 2. ఉదజని సూచిక (పి.హెచ్.) (7.26) ఆమ్లము ✓ తటస్థము ✓ అల్కలీ/మధ్య/అధిక క్షారము
- 3. లవణ సూచిక (ఇ.ఎస్.) (0.19) సామాన్యం ✓ మొలకెత్తుట కష్టం ✓ పంటలకు హానికరం
- 4. సెండ్రియ కర్మనము (ఓ.సి.) (M) తక్కువ ✓ మధ్యస్థము ✓ ఎక్కువ
- 5. లభ్య భాస్వరము (పి) కి.గ్రా/ఎ. (43) తక్కువ ✓ మధ్యస్థము ✓ ఎక్కువ
- 6. లభ్య పొటాష్ (కె) కి.గ్రా/ఎ. (167) తక్కువ ✓ మధ్యస్థము ✓ ఎక్కువ
- 7. లభ్య జింకు (పి.పి.యం.) (—) తక్కువ ✓ ఎక్కువ
- 8. లభ్య మాంగనీసు (పి.పి.యం.) (—) తక్కువ ✓ ఎక్కువ
- 9. లభ్య రాగి (పి.పి.యం.) (—) తక్కువ ✓ ఎక్కువ

(N)	(P)	(K)
1000	2000	0500

- II. 1. సైరుకు ఆవనరమైన పోషక పదార్థములు: సైనికంగా లభ్యమగు పోషక పదార్థములు. (5) (5) Farmyard Manure
- 2. సెండ్రియపు ఎరువులు ట/ఎ: అమోనియం సల్ఫేట్, యూరీయా, 1000, స్ట్రాస్ట్రో, 500 ప్లక్ ఎరువులు
- 3. నత్రజని కి.గ్రా/ఎ.: సూపర్ ఫాస్ఫేట్, డి.ఎ.పి.డి.ఎ.ఎ.ఎ. కాంప్లెక్స్ ఎరువులు
- 4. భాస్వరము (పి) కి.గ్రా/ఎ.: మ్యూరేట్ ఆఫ్ పొటాష్, 0.500, కాంప్లెక్స్ ఎరువులు
- 5. పొటాష్ (కె) కి.గ్రా/ఎ.: మ్యూరేట్ ఆఫ్ పొటాష్, 0.500, కాంప్లెక్స్ ఎరువులు

లభ్యతను బట్టి వివిధ రసాయనిక ఎరువులను వాడవచ్చును
 పైన సూచించిన వాటికి బదులుగా ఇతర రసాయనిక ఎరువులు వాడవలసి వచ్చినప్పుడు పాటించవలసిన సమీకరణం.
 వాడవలసిన ఎరువు మోతాదు కి./ఎ. = $\frac{\text{సూచించిన పోషక పదార్థము మోతాదు కి.గ్రా ఎకరాకు}}{\text{ఎరువు నంచి మీద సూచించిన పోషక విలువ}} \times 100$
 A.M.S. Soil Scientist
 KOTHAMANGALAM

VII (a) ABSTRACT ESTIMATE

Name of the Estimate :- Advance payment in C.A. S. No. :- 633/2000-2001.
 Ramavaram plantation area.
 Name of Division :- Kottagudem. Amount sanctioned Rs. :- 115,600-00
 Name of Range :- Ramavaram Budget Head :- 4406-01-1-1-05
 C.A.

Sl. No.	Quantity	Description of work	F. S. R. Item No.	Rate		Per	Amount		
				Rs.	P.		Rs.	P.	
1.	1.6 ktr.	Survey and demarcation.	1.10.	456		ktr.	730-00		
2.	9.311 Haw.	Cleanance of minor growth.	32.1	722.75		Haw.	6729-00		
3.	9.311	Evenly spreading the growth leaving and burning the area with, dragging & cutting out material out with the plantation.	32.2	722.75		Haw.	6729-00		
4.	744.576 Cm	Uprooting of Stumps to a depth of 10 cm.	32.3	123.25		Cm	91769-00		
5.	78 Lan.	Water and food for persons.	-	53		day.	4134-00		
6.	140 RTR	Digging of cattle foot track. (manually)	2.13	36		RTR	5040-00		
Total.								115,600-00	

Forest Range Officer
 RAMAVARAM

VII (a) ABSTRACT ESTIMATE

Name of the Estimate :- C.A. enrichment
 Name of Division :- Kollingudalen.
 Name of Range :- Rungaravaru.

S. No. :- 633/2000-2001
 Amount sanctioned Rs. :-
 Budget Head :- C.A.

Sl. No.	Quantity	Description of work	F. S. R. Item No.	Rate	Per	Amount
1	2	3	4	5	6	7
1.	1.6 KM	Survey and demarcation	1.10	Rs. 456 = w	P. KM	Rs. 744
2.	7.311 Hk	Clearance of mixed growth cutting of dead stumps and littering to cartline.	32.1	722 = 75	1Hk	6720
3.	9.311 Hk	Evenly spreading the growth heap and bringing to area twice dropping of cut growth material out side to Montala.	32.2	722 = 75	9.311 Hk	6720
4.	744.516 cut	uproot of the stumps to a depth of 40 cm	32.3	123 = 25	1cent	91,767
5.	78 days	watch and ward one person	-	53 = w	1 day	4,134
6.	140 Rmb	Digging of cattle post to each (manually)	2.13	36/-	Rmb	5040
						1,15,170

VII (a) ABSTRACT ESTIMATE

Name of the Estimate :- Garden of CA Montali
 Name of Division :- Kolipuden
 Name of Range :- Kanuvanam

S. No. :- 85/2001-2002
 Amount sanctioned Rs. :- 76,940
 Budget Head :- CA

Sl. No.	Quantity	Description of work	F. S. R. Item No.	Rate		Per	Amount	
				Rs.	P.		Rs.	P.
1.	5 Hrs.	Plough with heavy duty tractor about 45 ft. 2 nd time	32.4	2082	70	Hrs.	10,160	70
	5 Hrs.	Preparation of 1 st time	32.5	1355		Hrs.	6,775	70
2.	5 Hrs.	Alignment of deep including preparation of stakes 8m x 3m.	32.6 (a)	234	70	Hrs.	1170	70
3.	4-311 Hrs.	Alignment of deep 5m x 5m	32.6 d	105	75	Hrs.	456	70
4.	5555 No.	scoping of 15 earth	32.8 (a)	0.75		MT	4,166	70
5.	1224 No.	Digging of pits 5m x 5m	32.8 (a)	1.25		MT	2155	70
6.	7279	Transport of seedling from nursery to Montali site including dry loading & unloading	33.1 (a)	407	40	1000	2965	70
7.	7279	Internal transport in Montali on hard land	33.3 (a)	96	75	1000	704	70
8.	7279	Planting to seedlings	33.4 (a)	33	25	100	2420	70
9.	5 Hrs.	1 st soil weeding by digging with crawler or machine.	53.11 (a)	668	70	Hrs.	3340	70
10.	4-311 Hrs.	2 nd soil weeding by digging with crawler or machine to a depth of 10cm 5m x 5m.	33.11 (d)	334	70	Hrs.	1440	70
11.	7279	Cost of chloroxin dust 5%	33.19			As per actuals	700	70
12.	-	Cost of fertilizer	33.20			As per actuals	1000	70
13.	5 Hrs.	Application of fertilizer	33.21 (a)	111	70	Hrs.	555	70
14.	4-311 Hrs.	Application of fertilizer	33.22 (a)	36	75	Hrs.	158	70
15.	5 Hrs.	Enumeration of plants	33.22 (b)	24	12	Hrs.	120	70
16.	4-311 Hrs.	Enumeration of plants	33.22 (d)	14	75	Hrs.	63	70
17.	260 days	Pay of watchman	-	58	70	day	15080	70
18.	1468 Rupee	Brick wood transport	6.9	22	12	Rupee	22497	70
19.	4 -	Montali Board	-			As per actuals	700	70
20.	20 Rupee	Funeral of 2 species plants.	2.19	76	38	20 Rupee	306	70
							76,940	

Advance op. li CA - Ruaray, 2001.

VII Expenditure Statement

(a) Pre-Planting Year

Name of the Estimate : *CA.*

Name of the Scheme under which the work is being executed : *CA.*

Note : (1) In the Vacant columns of the heading; the items of works with Quantities and amount sanctioned should be entered in RED INK

Date	Vr. No.	Item Work	Date of Execution		Qty.		Exp.		
			From	To	Qty.	Exp.	Qty.	Exp.	
1	2	3	4		5		6		7
<i>31-1-2001</i>	<i>37</i>	<i>Clearance of not ground</i>				<i>Rs. P</i>		<i>Rs. P</i>	<i>Rs. p</i>
	<i>38</i>	<i>"</i>			<i>542</i>	<i>3614</i>			
	<i>39</i>	<i>dropping 15 cut ground</i>			<i>431</i>	<i>3115</i>		<i>5 3614</i>	
	<i>40</i>	<i>"</i>						<i>431 3115</i>	
	<i>41</i>	<i>Control of shrubs</i>							
	<i>42</i>	<i>"</i>							
	<i>43</i>	<i>"</i>							
<i>2-2001</i>	<i>61</i>	<i>Browning & delineate</i>							
<i>"</i>	<i>62</i>	<i>spread of 15 shrubs</i>							
	<i>70</i>	<i>"</i>							
<i>3-2001</i>	<i>49</i>	<i>"</i>							
	<i>50</i>	<i>"</i>							
	<i>51</i>	<i>"</i>							
	<i>52</i>	<i>"</i>							
	<i>53</i>	<i>"</i>							
	<i>54</i>	<i>"</i>							
	<i>55</i>	<i>part of work</i>							
	<i>56</i>	<i>"</i>							
	<i>57</i>	<i>"</i>							
	<i>58</i>	<i>type of cable post</i>							
	<i>59</i>	<i>"</i>							

(EXTRACT OF WORKS REGISTER)

Head of Account

S.O.No. : 633/2000-2001 OL 23-3-2001.

Amount Sanctioned Rs. 1,15,100.

(2) In the body the items of works executed Voucher wise, date wise, and amount Charge Should be filled in BLUE INK

Qty.		Exp.		Qty.		Exp.		Qty.		Exp.		Qty.		Exp.		Total Voucher Amount
8		9		10		11		12		13		14		15		
Rs. P		Rs. P		Rs. p		Rs. P		Rs. P		Rs. p		Rs. P				
075	4375															3614.
075	4975															3115.
075	4975															3614.
																3115.
																4875
																4875
																4875.
																675
																43931.
																4930.
																4920
																4920
																4920
																4920
																3636
																1378
																1378
																1378
																4500
																732
																125
																2033
																4500
																732
																TOTAL
																1,15,100.

Forest Range Officer
RAMAVARAM

(EXTRACT OF WORKS REGISTER)


Head of Account

S.O.No.: 635/2000-2001 DL 28-2-2001

Amount Sanctioned Rs. 2,590.00

(2) In the body the items of works executed Voucher wise, date wise, and amount Charge Should be filled in BLUE INK

Ordering to work		Weedy		Annual - Exp. 1000 Rs		Protective weeding road		watering roads		weeding		Total Voucher Amount		
Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	
8		9		10		11		12		13		14		15
Rs. P		Rs. P		Rs. p		Rs. P		Rs. P		Rs. p		Rs. P		
6	472													51420,
														367
														472
														142
		6	92	6	50									149500


Forest Range Officer
RAMAVARAM

(EXTRACT OF WORKS REGISTER)

Head of Account CA.

S.O.No. : 634/2019.

Amount Sanctioned Rs. 28497/-

(2) In the body the items of works executed Voucher wise, date wise, and amount Charge Should be filled in BLUE INK

Sowing		Pricing		Pricing		Replens		watering		weeding		Girdling		Total Voucher Amount
Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	
8		9		10		11		12		13		14		15
Rs. P		Rs. P		Rs. p		Rs. P		Rs. P		Rs. p		Rs. P		
346.62				2000	400	-	-	10	1806	10		10	999	81 43 590 3466 460 1806 741 990
														13579

Forest Range

(EXTRACTION OF WORKS REGISTER)

Head of Account

S.O.No. :

Amount Sanctioned Rs.

634 / 20

(2) In the body the items of works executed Voucher wise, date wise, and amount Charge should be filled in BLUE INK

Qty.		Exp.		Qty.		Exp.		Qty.		Exp.		Qty.		Exp.		Total Voucher Amount	
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	15 (13/57)
Rs. P	Rs. P	Rs. p	Rs. P	Rs. P	Rs. p	Rs. P	Rs. P	Rs. p	Rs. P	Rs. p	Rs. P	Rs. P	Rs. p	Rs. P	Rs. p	Rs. P	
165	20	5															146
																	1256
																	160
																	165
																	1140
																	5724
																	28,168

Forest Range Office
BAMAVARAM

(EXTRACT OF WORKS REGISTER)

Head of Account : *C.B.*

S.O.No. : *5/2001-02*

Amount Sanctioned Rs. *9524/-*

(2) In the body the items of works executed Voucher wise, date wise, and amount Charge Should be filled in BLUE INK

Qty.		Exp.		Qty.		Exp.		Qty.		Exp.		Qty.		Exp.		Total Voucher Amount
8	9	10	11	12	13	14	15									
Rs. P	Rs. P	Rs. p	Rs. P	Rs. P	Rs. p	Rs. P	Rs. P									
																1324
																412
																1585
																4524
																510
																8355

Forest Range Office
BAMAVARAM

[Signature]

(EXTRACT OF WORKS REGISTER)

Head of Account **CA**

S.O.No. : **85/201**

Amount Sanctioned Rs. **16,940/-**

(2) In the body the items of works executed Voucher wise, date wise, and amount Charge Should be filled in BLUE INK

Align-ment		Scaping of 15 cents		Digging Pits 5x25 17 1/2		Transport of Seedling		Gathered Seedlings		Planted to Seedling		1st Soil working by		Total Voucher Amount
Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	
8		9		10		11		12		13		14		15
	Rs. P		Rs. P		Rs. p		Rs. P		Rs. P		Rs. p		Rs. P	
	4166		4166											7957
														2227
														6775
														1170
														4166
														2155
														2965
														704
														2420
														<u>30537</u>
														456

[Signature]
Forest Range Officer
RAMAVARAM

(EXTRACT OF WORKS REGISTER)

Head of Account

S.O.No. :

88/207

Amount Sanctioned Rs.

(2) In the body the items of works executed Voucher wise, date wise, and amount Charge Should be filled in BLUE INK

8		9		10		11		12		13		14		15
Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Qty.	Exp.	Total Voucher Amount
Rs. P	Rs. P	Rs. P	Rs. P	Rs. p	Rs. P	Rs. P	Rs. P	Rs. p	Rs. P	Rs. p	Rs. P	Rs. P	Rs. P	
														764
														594
														920.
														<u>69846</u>
														8074200
														1508200
														1508200
														1109050
														887320
														G. Total.

PNC Nandan
 Forest Range Officer
 RAMM...

X. OBSERVATION OF RANGE OFFICERS

3-2-2001 Today inspected C.A. area of 9.311 Ha. in Ransavara beat in compartment no. 3 of Block Ransavara. Advance works are under progress. The clearing of these areas is almost complete and dragging work is under progress. Instructed the forest to complete the balance work immediately and start to open work.

J. S. Singh
Forest Range Officer
Ransavara.

27-3-2001 Today inspected C.A. area of 9.311 Ha. in Ransavara beat in compartment no. 3 of Block Ransavara. Advance works are complete. The clearing of these areas is complete and dragging work is under progress. Instructed the forest to complete the balance work immediately and start to open work.

J. S. Singh
Forest Range Officer
Ransavara.

7-6-2001 Today inspected C.A. Noutalin area of 9.311 Ha. Ploughing in E.P. cleared area of 5 Ha. Plot is under progress. 4 Ha. Ploughing is completed. balance 1 Ha. area ploughing is to be completed tomorrow. Instructed the forest to call the bullock immediately and lift the balance uprooted material immediately and keep the area clean. Further instructed the forest to start to brush wood clearing immediately and keep the Noutalin watcher strictly to avoid the cattle pressure and request the forest to start to complete all operations one by one immediately and start to Noutalin. If bullock to Noutalin the fee will be held responsible.

J. S. Singh
Forest Range Officer
Ransavara.

X. OBSERVATION OF RANGE OFFICERS

5-7-2001 :- Today inspected CA Plantation area 9.311 Ha. Alignment and staking in 5 Ha area at espacement of 3x3 m is completed. The uprooted material which is lying on the plot has already lifted. The scattered uprooted material and lying in the plot should be removed. Further instruction to forester in the plantation area some high stumps are appearing. They should be cut up to ground level and dropped at side to plantation area. Brush wood clearing is under progress. Instructed to forester to complete all balance work immediately and start to planting work.

FR. Narayan

11-7-2001 :- Today inspected CA Plantation 9.311 Ha. E. plantation planting is under progress. 4000 m² area were planted at an espacement of 3x3 m. balance 1355 nos of E.P. classes are to be planted in the balance area of 5 Ha. Instructed to forester to start to do staking and pitting work in 4.5 Ha area for Bamboo plantation and start Bamboo planting and one side brush wood clearing not completed, it should be finish it immediately.

FR. Narayan

X. OBSERVATION OF RANGE OFFICERS

17-7-2001 :- Today inspected CA. Montali 9.311 Ha area. Planting of Bamboo in 4.311 Ha. is under progress. Instructions to Forest Officer to complete to Montali well immediately. The Forest Officer should take care during Montali and see to tillage to pits by scrow up top soil around to pit and Montali by plough and packing. In the Forest Officer is instructed to complete to Bushwood fencing immediately. He should a chance to grass even provide Montali watchmen.

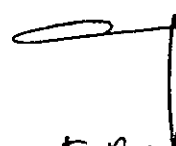
T. J. J. J.
Forest Range Officer
Narasimhan

20-7-2001 :- Today inspected CA. Montali 9.311 Ha. area. Montali of Bamboo 1725 bis. in 4.311 Ha. is completed. Instructed to Forest Officer to Montali watchmen strictly in Montali site. ~~But~~ grass should not be allowed. Keep to Montali Board immediately. Forest watchmen to Forest Officer to carry out their operations like weeding, soil works as per to Calendar of Operations.

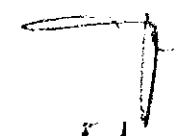
T. J. J. J.
Forest Range Officer
Narasimhan

X. OBSERVATION OF RANGE OFFICERS

7-8-2001 :- Today inspected CA-Plantation 9.311 Ha of in Range near Beal. E.P Clones are well established and observed increment in growth. Bamboo also well established and found new shoots coming from ground level. Fertilizer applied in time and giving good results. Insects to forest to verify its control. If any and immediately replace it. Another to forest to keep to plants. Watcher strictly and protect to plantation.


F No. Nandana

7-9-2001 :- Today inspected CA-Plantation 9.311 Ha near Beal. E.P Clonal growth is very well. 9 to E.P Clones are 40 cm to 90 cm height. 5 Ha area. Remaining 4.311 Ha area Bamboo also well established. It is observed that cattle are wandering near to plantation and seen some cattle grazing in Bamboo. The forest is inspected to educate the sacco labours to not leave to cattle in the forest and in plantation. Should keep good watch on the


F No. Nandana

X. OBSERVATION OF RANGE OFFICERS.

23-11-2001 :- Today inspected CA. Mantali 9.311 Ha in Roudary Beat of Camp no. 3. Inspected to E.P Clones and found in good condition. The in 5th area. Then inspected to Bamboo patch in 4.311 Ha area. The Neradu seedlings were planted in place of damaged Bamboo plants and in the area covered by hard soil. Some seedling plants also planted. The (800) NO's of Neradu plants were planted during the second week of the month. The watering is being done manually for survival of Neradu plants. The 80% survival of plants are noticed. The brush wood fencing is fully done yet due to heavy cattle pressure of soil. The cattle proof trench was dug up for left side of the plantation, due to hard soil. Other side trench were not corrected. The fence is inspected & take up the cattle proof trench were left top priority to protect the plantation. Further the fence has been inspected & carry out the soil works for plants.

23/11/01
FHO Roudary,

31-12-2001 :- Today proceeded to CA. Mantali 9.311 Ha. in Roudary Beat of Camp no. 3. Inspected to E.P Clones in 5th area, the growth of the Mantali is good. Then inspected to Bamboo patch in 4.311 Ha area. Where the soil works was completed. The Neradu plants are also in good condition, and soil. Neradu seedlings are drying up, the watering is carrying out regularly, inspected to fence to carry out the soil works in E.P 5th area. The bamboo is broken, the thistles are in living condition, if it protects the bamboo also comes up with good clumps. Further should ensure the protection of the Mantali.

31/12/01
FHO Roudary,

Date of inspection	Observation of the Range Officer
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2-2-2002

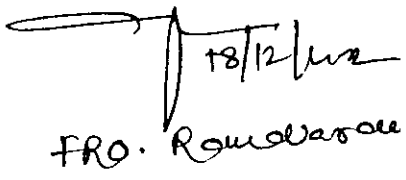
Today inspected to CA enclosed field in 9.311 Ha. in Camp no-3. E-p Clones are found to be very good condition. Some planted seedlings in 4.311 Ha. are also survived. Mixture of bamboo also in arrived condition. Infront the dyke however to protect the field from grazing. E-p things in hand of 1000

[Signature]
The Range Officer

28-8-2002

Today inspected to CA enclosed field in 9.311 Ha. in Camp no-3. E-p Clones are in very excellent. It stands to height 2 to 4 mts. ^{inter} ~~circled~~ mangrip is complete and circular weeding are under process. Almost bamboo is grazed by cattle and cattle pressure is more. ^{to sun} ~~Need~~ ⁽¹⁰⁰⁾ seedlings are planted in place of bamboo. The height of the weeding is good. CCA has been used to protect from cattle and as well as to water harvesting. In the field to forest to apply the pesticides to E-p plants. The leaves are changing in the field

[Signature]
The Range Officer

Date of inspection	Observation of the Range Officer
18-12-2024	<p>Inspected to est. 1 butchery 9.311 Ha. observed to E.P. Claves in growth in 5 Ha area, the growth of the Claves are affected up to 6m above, the cover of the E.P. Claves are more than 90%. 2 inch net to find to take up the soil. works should be E. parcel area. broken up to 4.311 Ha. area. Good growth is found. At some Neredu and Sandia plants are seen. In fact the forest to close the way forest at cet to over to cattle pressure. coffee cut up 100 due to natural forest in 4.311 Ha area,</p> <p style="text-align: right;">  18/12/2024 FRO. Rameshwar </p>

XI. NOTES OF OFFICERS

3115 24/2/24 DIVISIONAL OFFICER

5/20/01

This is my fourth visit. Earlier Journal was not kept ready by R.O. Only on pressure he has started P. Journal but all columns are not filled. He has not visited this plantation since after march and that is the reason why the planting has not started so far. Even ploughing, alignment and staking has not started. The riposte material is lying on ground and cattle is stamping it freely. There is every possibility that planting will be delayed and will fail. In such case only the R.O. and R.S. will be held entirely responsible as even after reminding he has not started. Watcher and family are provided but nothing is seen. If because of the pressure planting takes place early in winter, work will be held up for 24 months and it will be better for R.O.

25.7.01 NOTES OF OFFICERS (DIVISIONAL FOREST OFFICER)

Since last visit there is lot of improvement. E.B. clones are established as planted well in time and new flush of leaves added. Bamboo was planted later on 17th July because of delayed rains. 1st dose of fertilizer as suggested in soil testing report should be given during to be completed on one side. Pl. journal has also improved.

V. Choudhary
15/7/01

3.2.02:

Inspected the plantation today.

Total area = 9.31 Ha.

Eucalyptus clones = 5.00 Ha.

Misc & Bamboo = 4.31 Ha.

- (a) The survival and growth of Eucalyptus seedlings is good. More than 90%. Height growth is more than 2.0M.
- (b) Initially Bamboo is planted in 4.31 Ha. But Soudra seedlings are planted as per the soil condition. The growth of the seedlings is not encouraging. The weed growth is also heavy. This area is not ploughed because of the undulated ground. Hence the weed growth. Survival percentage is around 80%. The menace from cattle is also heavy.

Instructions:

1. To take up trench work across the slope as shown in the field.

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NOTES OF OFFICERS (DIVISIONAL FOREST OFFICER)

2. To take up soil work for all the surveyed seedlings
3. To go for heavy replacements during next planting season in 4.31 Ha. that too with tall plants.
4. To go for trench work from NABARD (funds to avoid grazing all around the plantation).
5. To monitor the cultural operations for better growth.

Amuray
Dfo 19/11/2024

15.11.02:

Inspected the area. The survival of Eucalyptus plants is very good. Height - more than 4 M. Survival % is more than 90%. Replacements were done in July, 02. Nerechu seedlings (1000 nos), tall seedlings are planted during July, 02. Still, the survival is not good. It is because of bad condition of the soil and due to lack of rain fall.

Trench is dug all around the plantation. Still cattle are entering from one-two sites and grazing is not checked totally. The concerned watcher to be warned to protect the plantation.

(i) Ploughing and circular weeding are done in Eucalyptus.

Instructions:

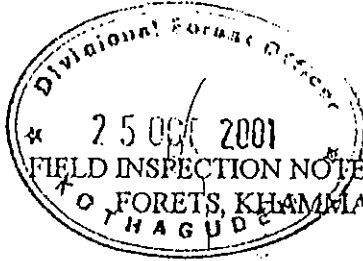
1. Unless, the area is ploughed and planted, we cannot expect better growth. The FFO is requested put up the proposals based on the availability of funds.

Amuray
Dfo 19/11/2024

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XII. INSPECTION REPORTS

ii) CONSERVATOR'S REPORTS.



4830

FIELD INSPECTION NOTE OF SRI S.K. CHHOTRAY, IFS., CONSERVATOR OF FORETS, KHAMMAM IN KOTHAGUDEM DIVISION ON 9-8-2001

1. Compensatory Afforestation enrichment plantation.

This compensatory afforestation plantation over 9.311 Ha., has been taken up in the degraded reserve forest. It is located in Compt. No. 3 of Ramavaram Beat of Ramavaram Block. The area is found to be of site quality IV. Before the plantation it appears that there were only bush growth which have been cleared and plantation has been taken up. One small patch is found to be saline and highly degraded. Out of the whole area 5 Ha., have been planted with Eucalyptus clones in between 10-7-2001 to 16-7-2001. The balance area of 4.311 Ha., Bamboo has been planted at a spacing of 5 M X 5 M in between 17-7-2001 to 18-7-2001. The survival rate is quite high and is about 90 to 95 %. The entire area has been fenced with brushwood. The works have been neatly completed. However in the highly degraded small patch with one corner it may be considered to plant hardy species like Sundra which may give better results. The growth is not very encouraging due lack of sufficient rains this year after planting. Protection of the area is required continuously since there is heavy Biotic pressure in the area. All the informations regarding the plantation may be posted in the plantation journal and the observations may be entered in the journal in detail.

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XII. UNITES OF WORKS

ii) CONSERVATOR OF FORESTS.

28/01/24

As per the plantation journal an area of 9.311 ha., was taken up for CA plantation in 2001. (5)ha., area has been planted with planted with Eucalyptus Clones, at 3M x 3M 4.311 ha., with Bamboo at 5M x 5M spacement. Some plants of Neredu and Sundra were also planted. Eucalyptus plants have grown up to 35 feet and the girth measurement of some of the plants in a single row is 23, 31, 37, 28, 29, 29, 33, 29, 29, 29 Cms., Thus average girth is around 30 Cms., The area seems to be devoid of much moisture and the plants have become very brittle as is seen from the fact that about 20 to 25 plants are broken in the middle because of wind. The floor of the plantation is having heavy misc., growth. No SMC works were carried out in this plantation. In the Bamboo block almost 99.9% of the plants have died and there is hardly any survival except one or two plants here and there, which are also very weak. The area is covered with heavy misc., growth. The Divisional Forest Officer is requested to attend the following works:

1. Get the area surveyed with the GPS;
2. Carry out 100% enumeration of the plantation and fix 10th line stone and enter the line-wise planting points and survival into the plantation journal;
3. As this area I was told falls in Garimalapadu VSS the Eucalyptus should be cut to the base and the poles may be taken by the VSS for their domestic use after duly entering into the VSS register and passing a resolution.


(KANWARJIT SINGH)
C.F. Khomman