

**GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT**

Rc.no.1992/2021/TO,
Dated.27-11-2021.

Office of the Conservator of Forests,
Guntur Circle, Guntur.

Sri Y.Srinivasa Reddy, IFS.,
Conservator of Forests.

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Sub:-APFD- F(c) Act, 1980- Diversion of 10.72 ha. of forest land in compt.no.120, Turimella RF, Venkatagiri Range, Nellore Division for grant of Quarry lease for Mica, Quartz & feldspar in favour of M/s Mica Zone, Mg. Partner: Sri G.Krishnam Raju- Non-Forest land identified for CA - DGPS Survey completed - CA Submitted by the DFO, Giddalur for Administration approval- Administration approval of CA Scheme- accorded-Regarding.

- Ref:- 1. Prl.CCF,AP, Guntur Rc.no.EFS02-15029/15/2021-FCA SEC-PCCF/ FCA-3, dt. 02.09.2021.
2. DFO, Giddalur Rc.no.1066/2021-TA,dt.08.09.2021.
3. Prl.CCF,AP,Guntur Rc.no.EFS02-15029/15/2021-FCA SEC-PCCF/ FCA-3,dt. 19.09.2021
4. CF, Guntur Rc.no.1292/2021-TO, dt.22.09.2021.
5. DFO, Giddalur Rc.no.1066/2021-TA,dt.25.11.2021.

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Attention of the Divisional Forest Officer (T), Giddalur is drawn to the references cited above. He is informed that the Compensatory Afforestation (CA) Scheme prepared for Afforestation over an extent of 9.42 ha., of Non-Forest land identified in Sy.no.206 & 222 of Thummagunta village and Sy.no.11 of Ekunampuram village of C.S.Puram Mandal of Prakasam District, Kanigiri Range of Giddalur Division submitted in the reference 5th cited duly adopting the rates of current FSR of Guntur Circle is hereby approved for **Rs.107.00**Lakhs on the personal responsibility of the Divisional Forest Officer (T), Giddalur for uploading the Part-II information of the proposal in the Ministry's web site "PARIVESH" portal for diversion of 10.72 ha. (i.e., 9.01 ha for Mining area+ 1.34ha for SZA and +0.37 ha for Road) of forest land in compt.no.120, Turimella RF, Venkatagiri Range, Nellore Division for grant of Quarry lease for Mica, Quartz & Feldspar in favour of M/s. Mica Zone, Mg. Partner:Sri G.Krishnam Raju, Nellore as per the instructions issued in the ref. 3rd cited above without fail.

The Divisional Forest Officer, Giddalur is hereby instructed that, to obtain the undertaking from the user agency for construction of RCC pillars around the Non-Forest CA area at the cost of user agency before handing over in favour of Forest Department and submit the same to this office.

Encl. Abstract.

Sd/-Y.Srinivasa Reddy
Conservator of Forests,
Guntur Circle, Guntur.

To
The Divisional Forest Officer (T), Giddalur.

Copy to the District Forest Officer (T), Nellore for information and necessary action.

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[Signature]
Tech.Officer 27/11/21

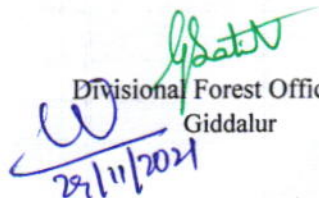
Statement Showing the C.A Scheme Proposals over an extent of 9.42 Ha in Sy.No.206 & 222 of Thummagunta (Village) and Sy.No.11 of Ekunampuram (Village) of CS Puram (Mandal), Prakasam (District), Kanigiri Range of Giddalur Division in lieu of Diversion of 10.72 Ha of Forest land in Venkatagiri Range of Nellore (T) Division for Quarry Lease for Mica, Quartz & Feldspar in favour of M/s Mica Zone, Mg.Partner: Sri.G.krishnam Raju.

| Sl. No | Name of the work | Unit cost | | 2022-23 | | 2023-24 | | 2024-25 | | 2025-26 | | 2026-27 | | 2027-28 | | 2028-29 | | 2029-30 | | 2030-31 | | 2031-32 | | 2032-33 | | 2033-34 | | Amount | |
|--------|---------------------------------------|-----------|-------|---------|-------|---------|--------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------|--------|
| | | Per | Rate | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin |
| 1 | Plantations (SMM Method) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Advance operations(9.42Ha) | 1 Ha | 0.570 | 9.420 | 5.369 | | | | | | | | | | | | | | | | | | | | | | 9.42 | 5.369 | |
| 2 | Raising of Nursery | Nos | 12.13 | 12600 | 1.528 | | | | | | | | | | | | | | | | | | | | | | 12600 | 1.528 | |
| 3 | Raising of plantations | 1 Ha | 1.140 | | | 9.420 | 10.739 | | | | | | | | | | | | | | | | | | | | 9.42 | 10.739 | |
| 4 | Maintenance of Nursery | Nos | 7.27 | | | 12600 | 0.916 | | | | | | | | | | | | | | | | | | | | 12600 | 0.916 | |
| 5 | Raising of Nursery for 1st year maint | Nos | 13.34 | | | 2700 | 0.360 | | | | | | | | | | | | | | | | | | | | 2700 | 0.360 | |
| 6 | 1st year maintenance | 1 Ha | 0.435 | | | 9.420 | 4.098 | | | | | | | | | | | | | | | | | | | | 9.42 | 4.098 | |
| 7 | Maintenance of Nursery | Nos | 8.00 | | | 2700 | 0.216 | | | | | | | | | | | | | | | | | | | | 2700 | 0.216 | |
| 8 | 2nd year maintenance | 1 Ha | 0.355 | | | 9.420 | 3.344 | | | | | | | | | | | | | | | | | | | | 9.42 | 3.344 | |
| 9 | 3rd year maintenance | 1 Ha | 0.380 | | | | | | | 9.420 | 3.580 | | | | | | | | | | | | | | | | 9.42 | 3.580 | |
| 10 | 4th year maintenance | 1 Ha | 0.180 | | | | | | | 9.420 | 1.696 | | | | | | | | | | | | | | | | 9.42 | 1.696 | |
| 11 | 5th year maintenance | 1 Ha | 0.056 | | | | | | | | | | | | 9.420 | 0.528 | | | | | | | | | | | 9.42 | 0.528 | |
| 12 | 6th year maintenance | 1 Ha | 0.061 | | | | | | | | | | | | | | | 9.420 | 0.575 | | | | | | | | 9.42 | 0.575 | |
| 13 | 7th year maintenance | 1 Ha | 0.067 | | | | | | | | | | | | | | | | | 9.420 | 0.631 | | | | | | 9.42 | 0.631 | |
| 14 | 8th year maintenance | 1 Ha | 0.074 | | | | | | | | | | | | | | | | | | 9.420 | 0.697 | | | | | 9.42 | 0.697 | |
| 15 | 9th year maintenance | 1 Ha | 0.081 | | | | | | | | | | | | | | | | | | | | | 9.420 | 0.763 | | 9.42 | 0.763 | |
| 16 | 10th year maintenance | 1 Ha | 0.089 | | | | | | | | | | | | | | | | | | | | | | | 9.420 | 0.838 | 9.42 | 0.838 |
| | Sub-Total> | | | | 6.897 | | 12.015 | | 4.314 | | 3.344 | | 3.580 | | 1.696 | | 0.528 | | 0.575 | | 0.631 | | 0.697 | | 0.763 | | 0.838 | | 35.877 |

(Rs.in Lakhs)

Statement Showing the C.A Scheme Proposals over an extent of 9.42 Ha in Sy.No.206 & 222 of Thummagunta (Village) and Sy.No.11 of Ekunampuram (Village) of CS Puram (Mandal), Prakasam (District), Kanigiri Range of Giddalur Division in lieu of Diversion of 10.72 Ha of Forest land in Venkatagiri Range of Nellore (T) Division for Quarry Lease for Mica, Quartz & Feldspar in favour of M/s Mica Zone, Mg.Partner: Sri.G.krishnam Raju.

| Sl. No. | Name of the work | Year | Quantity in Ha/ Rmt | Unit Cost | Per | Amount (in Lakhs) | Remarks |
|------------|--|---------|---------------------|-----------|---------------|-------------------|---------|
| I | Plantations | | | | | | |
| 1 | Advance operations | 2022-23 | 9.42 | 0.570 | Ha | 5.369 | |
| 2 | Raising of Nursery | 2022-23 | 12600 | 12.13 | Each seedling | 1.528 | |
| 3 | Raising of plantations | 2023-24 | 9.42 | 1.140 | Ha | 10.739 | |
| 4 | Maintenance of Nursery | 2023-24 | 12600 | 7.27 | Each seedling | 0.916 | |
| 6 | Raising of Nursery for 1st year maint | 2023-24 | 2700 | 13.34 | Each seedling | 0.360 | |
| 5 | 1st year maintenance | 2024-25 | 9.42 | 0.435 | Ha | 4.098 | |
| 7 | Maintenance of Nursery | 2024-25 | 2700 | 8.00 | Each seedling | 0.216 | |
| 8 | 2nd year maintenance | 2025-26 | 9.42 | 0.355 | Ha | 3.344 | |
| 9 | 3rd year maintenance | 2026-27 | 9.42 | 0.380 | Ha | 3.580 | |
| 10 | 4th year maintenance | 2027-28 | 9.42 | 0.180 | Ha | 1.696 | |
| 11 | 5th year maintenance | 2028-29 | 9.42 | 0.056 | Ha | 0.528 | |
| 12 | 6th year maintenance | 2029-30 | 9.42 | 0.061 | Ha | 0.575 | |
| 13 | 7th year maintenance | 2030-31 | 9.42 | 0.067 | Ha | 0.631 | |
| 14 | 8th year maintenance | 2031-32 | 9.42 | 0.074 | Ha | 0.697 | |
| 15 | 9th year maintenance | 2032-33 | 9.42 | 0.081 | Ha | 0.763 | |
| 16 | 10th year maintenance | 2033-34 | 9.42 | 0.089 | Ha | 0.838 | |
| | Sub Total | | | | | 35.877 | |
| II | Chain Link Fencing | | | | | | |
| 1 | Erection of Chain Link fencing around the CA Plantation Sy.no.206- 908 Rmt Sy.no.11- 628 Rmt Sy.no.222- 565 Rmt Total=2101 Rmt | | 2101 | 0.0175 | Rmt | 36.848 | |
| 2 | Salvaging of old Chain link for 10 Years | | 3152 | | | 3.504 | |
| | Sub Total | | | | | 40.352 | |
| | Total cost of Plantation | | | | | 76.229 | |
| III | SMC Works (25%of the total planting Cost) | | | -- | | 19.057 | |
| | Sub Total | | | | | 19.057 | |
| IV | Monitoring and Evaluation 5% of the total planting Cost | | | -- | | 3.811 | |
| V | Administrative Cost @ 10% of the total planting Cost) (Wages to NTM of Kanigiri, Giddalur Ranges & Division Office, Giddalur) | | | -- | | 7.623 | |
| | For Rounded | | | | | 0.279 | |
| | Grand Total: | | | | | 107.000 | |


 Divisional Forest Officer (T)
 Giddalur
 29/11/2024

Full Title of the Project:-

Diversion of forest land to an extent of 10.72 Ha for grant of Quarry lease for Mica, Quartz & Feldspar in Compt.No.120, Turimerla RF, Venkatagiri Range of Nellore (T) Division in favour of M/s Mica Zone, Mg. Partner: Sri. G.Krishnam Raju, Nellore District - Non forest area identified in Giddalur (T) Division for raising of Compensatory Afforestation - Reg.

File No.: PCCF, Guntur Rc.No.EFS02/15029/15/2021/FCA SEC-PCCF/FCA-3,

Date of Instructions: 19.09.2021.

“SCHEME FOR COMPENSATORY AFFORESTATION”

Detailed scheme for Compensatory Afforestation to be carried out in identified Non-Forest land CA an extent of 9.42 Ha in Giddalur (T) Division and it is an Non-Forest Land in lieu of 10.72 Ha. of Forest area to be Diverted in Compt.No.120, Turimerla RF, Venkatagiri Range of Nellore Division for grant of Quarry lease for Mica, Quartz & Feldspar in favour of M/s Mica Zone Mg.Partner: Sri. G.Krishnam Raju, Nellore District.

1. Details of Non- forest land:-

| Sl. No | Name of the individual | Village/ Mandal/ District | Sy.No. | Extent in Acres | Extent in Ha as per DGPS Survey | Required of land proposed by user agency towards CA land as per authentication (Ha.) |
|---------------|---|---|--------|-----------------|---------------------------------|--|
| 1 | M/s Mica Zone Mg. Partner: Sri. G.Krishnam Raju | Thummagunta/ CS Puram Mandal/ Prakasam District | 206 | 12.75 | 5.14 | 5.15 |
| | | | 222 | 4.86 | 1.96 | 1.96 |
| 2 | | Ekunampuram/ CS Puram Mandal/ Prakasam District | 11 | 5.68 | 2.31 | 2.31 |
| Total: | | | | 23.29 | 9.41 | 9.42 |

| | | |
|----------|--|---|
| a | Name of Forest Division | Giddalur (T) Division |
| b | Range | Kanigiri |
| c | Block/Compartment/Survey No | Sy.No.206 & 222 of Thummagunta Village and Sy.No.11 of Ekunampuram Village, CS Puram Mandal, Prakasam District Area to be afforested: 9.42 Ha and CA Scheme prepared for 9.42 Ha |
| 2 | Description of Area | |
| I | whether the site selected for Compensatory Afforestation is a land bank or not | No |
| II | If the CA site is other than the land bank, reasons be given | Non Forest Land |

| | | |
|-----|--|---|
| III | In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary | The above CA area is adjacent to the Veligonda RF of Kanigiri Range |
| IV | Soil type | Red Loamy |
| V | Topography: | |
| | (a) Hilly/Undulating/Plain | Plain |
| | (b) Slope: Steep/Medium/Gentle: | Gentle |
| VI | Whether the area is bearing any root stock of vegetation | Covered by small trees and bushes |
| 3 | Plantation Model:- | |
| | Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed | Enclosed |

4. Schedule of Plantation Programme:-

1. Detail of year wise break up of requirements of funds is as under:-

| Sl. No. | Name of the work | Quantity in Ha/ Rmt | Unit Cost | Amount (in Lakhs) |
|-----------|---|---------------------|-----------|-------------------|
| I | Plantations | | | |
| 1 | Advance operations | 9.42 Ha | 0.570 | 5.369 |
| 2 | Raising of Nursery for Planting | 12600 Nos | 12.13 | 1.528 |
| 3 | Raising of plantations | 9.42 Ha | 1.140 | 10.739 |
| 4 | Maintenance of Nursery | 12600 Nos | 7.27 | 0.916 |
| 5 | Raising of Nursery for 1 st Year Maint | 2700 Nos | 13.34 | 0.360 |
| 6 | 1 st year maintenance | 9.42 Ha | 0.435 | 4.098 |
| 7 | Maintenance of Nursery | 2700 Nos | 8.00 | 0.216 |
| 8 | 2 nd year maintenance | 9.42 Ha | 0.355 | 3.344 |
| 9 | 3 rd year maintenance | 9.42 Ha | 0.380 | 3.580 |
| 10 | 4 th year maintenance | 9.42 Ha | 0.180 | 1.696 |
| 11 | 5 th year maintenance | 9.42 Ha | 0.056 | 0.528 |
| 12 | 6 th year maintenance | 9.42 Ha | 0.061 | 0.575 |
| 13 | 7 th year maintenance | 9.42 Ha | 0.067 | 0.631 |
| 14 | 8 th year maintenance | 9.42 Ha | 0.074 | 0.697 |
| 15 | 9 th year maintenance | 9.42 Ha | 0.081 | 0.763 |
| 16 | 10 th year maintenance | 9.42 Ha | 0.089 | 0.838 |
| | Sub Total | | | 35.877 |
| II | Chain Link Fencing around the CA area | | | |
| 1 | Erection of Chain Link fencing around the CA Plantation | 2101 Rmt | 0.0175 | 36.848 |
| 2 | Salvaging of old Chain link for 10 Years | 3152 Sqmt | -- | 3.504 |
| | Sub Total | | | 40.352 |
| | Sub Total (Plantation cost) | | | 76.229 |

| Sl. No. | Name of the work | Quantity in Ha/ Rmt | Unit Cost | Amount (in Lakhs) |
|---------|---|---------------------|-----------|-------------------|
| III | SMC Works (25% of the total planting Cost) | | -- | 19.057 |
| IV | Monitoring & Evaluation 5% of the total planting Cost | | -- | 3.811 |
| V | Administrative Cost @ 10% of the total planting Cost) | | -- | 7.623 |
| | For Rounded | | | 0.279 |
| | Grand Total: | | | 107.000 |

5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

| | | |
|----|---|--|
| a) | General Details: | The afforestation and maintenance will be done in a span of 12 years 2022-23 to 2033-34 with implementing agency of DFO (T), Giddalur. |
| b) | Spacing | 3 Mts x 3 Mts |
| c) | Species | Miscellaneous/NTSH |
| d) | Plantation Method | SMM (Semi Mechanical Method) |
| e) | Protection (Fencing, Watch man, People's Participation etc.): | As the CA area is adjacent to the Veligonda RF, hence the Chain Link Fencing was proposed. |
| f) | Proposed Monitoring Mechanism | -- |
| h) | Any other information | <p>The proposed Non-Forest area identified in Giddalur (T) Division to an extent of 9.42 Ha and CA Scheme is prepared & Compensatory Afforestation with an outlay of Rs.107.000 lakhs which is situated in above mentioned table Kanigiri Range of Giddalur (T) Division.</p> <p>Hence proposed Non-Forest land for CA may be accepted.</p> |

Divisional Forests Officer,
Giddalur.

[Signature]
27/11/2021

C.A. SCHEME FOR CA AREA IN AN EXTENT OF 9.42 HA IN KANIGIRI RANGE OF GIDDALUR DIVISION IN LIEU OF DIVERSION OF 10.72 HA OF FOREST LAND FOR GRANT OF QUARRY LEASE FOR MICA, QUARTZ AND FELDSPAR IN FAVOUR OF M/S MICA ZONE MG.PARTNER:SRI G.KRISHNAM RAJU, NELLORE DISTRICT

Name of the Scheme: **Non-Forest C.A** (Grant of Quarry Lease for Mica, Quartz & Feldspar in favour of M/s Mica Zone Mg. Partner: Sri. G.Krishnam Raju, Nellore District in lieu of Diversion of 10.72 Ha of Forest Land in Compt.No.120, Turimerla RF, Venkatagiri Range of Nellore (T) Division).

1. Introduction: Compensatory Afforestation is one of the important conditions stipulated by the Central Government. It is essential that a comprehensive scheme for Compensatory Afforestation is to be formulated for Diversion of Forest land for Non-Forestry purposes. Compensatory Afforestation shall be done over an equivalent area of non forest land or where non-forest lands are not available or non-forest land is available in less extent to the forest area being diverted, compensatory afforestation may be carried out over non-forest land for Compensatory Afforestation is provided by the User Agency.

The C.A scheme is prepared with current wage rate i.e., FSR-2021-22 of Guntur Circle to the extent of 9.42 Ha of Non-Forest area is identified at Sy.No.206 & 222 of Thummagunta Village and Sy.No.11 of Ekunampuram Village of CS Puram Mandal of Kanigiri Range for raising of CA in lieu of diversion of 10.72 Ha of forest land in Compt.No.120, Turimerla RF, Venkatagiri Range of Nellore Division for grant of Quarry lease for Mica, Quartz & Feldspar in favour of M/s Mica Zone Mg. Partner: Sri. G.Krishnam Raju.

| Sl. No | Village/ Mandal/ District | Sy. No | Extent in acres | Extent in Ha as per DGPS Survey | Area proposed for CA as per Authentication | Remarks |
|--------|---|--------|-----------------|---------------------------------|--|--------------------------------|
| 1 | Thummagunta/ CS Puram Mandal/ Prakasam District | 206 | 12.75 | 5.14 | 5.15 | CA Scheme prepared for 9.42 Ha |
| | | 222 | 4.86 | 1.96 | 1.96 | |
| 2 | Ekunampuram/ CS Puram Mandal/ Prakasam District | 11 | 5.68 | 2.31 | 2.31 | |
| | Total | | 23.29 | 9.41 | 9.42 | |

The said area were inspected by the Forest Range Officer, Kanigiri and certified that the above Non- Forest land is suitable for Afforestation purposes.

2. Implementing Agency: The Divisional Forest Officer (T), Giddalur and Forest Range Officer, Kanigiri will be the implementing agency.

3. Technique of planting: The afforestation will be done in a span of 12 years

Treatment Year -1: Survey and Demarcation, Site preparation, Advance Operations and Raising of Nursery.

Treatment year-2: Raising of SMM Plantations, Erection of Chain link fencing around the Plantation, Maintenance of Nursery and Raising of Nursery for 1st Year maintenance of Plantations.

Treatment Year-3: 1st Year Maintenance of SMM plantations and Maintenance of Nursery.

Treatment Year-4: 2nd Year Maintenance of SMM plantations.

Treatment Year-5: 3rd Year Maintenance of SMM plantations.

Treatment Year-6: 4th Year Maintenance of SMM plantations.

Treatment Year-7: 5th Year Maintenance of SMM plantations.

Treatment Year-8: 6th Year Maintenance of SMM plantations.

Treatment Year-9: 7th Year Maintenance of SMM plantations.

Treatment Year-10: 8th Year Maintenance of SMM plantations.

Treatment Year-11: 9th Year Maintenance of SMM plantations.

Treatment Year-12: 10th Year Maintenance of SMM plantations.

Site preparation includes clear felling of existing shrubs heaping and burning debris and uprootal stumps etc.,

Raising of Plantation will be done by deep ploughing the area with heavy duty tractor to a depth of 30 cms after clear felling and up-rootal and before planting, digging of 45 cms cube pits for miscellaneous seedlings followed by one inter ploughing and one soil working after planting provision is made for replacement of 20% casualties during the year of raising.

1st Year Maintenance of Plantation includes replacements of 25% casualties, Inter ploughings and Circular weeding cum deep soil work.

2nd Yea Maintenance of plantation includes Inter ploughings and Circular weeding cum deep soil work.

3rd Year Maintenance of plantation includes Inter ploughings and Circular weeding cum deep soil work.

4th Year Maintenance of plantation.

5th Year Maintenance of plantation.

6th Year Maintenance of plantation

7th Year Maintenance of plantation.

8th Year Maintenance of plantation.

9th Year Maintenance of plantation.

10th Year Maintenance of plantation.

Provision is made for watch and ward of the plantation with one watcher for upto 20 Ha. If less area prior approval of CF is required. Hence one watcher is proposed on wages, starting from the month of planting to the end of 4th year maintenance for better protecting the plantations as per FSR-2021-22 of Guntur Circle.

Provision is also made for formation, maintenance of inspection paths and fire tracing operations.

4. Species and Espacement: The total area will be planted with Misc., seedlings like Ravi, Narepi, Chinduga, Tellamaddi, Neem, Neredu, Billudu and Velaga species etc., @ 3x3 Espacement i.e., 1111 plants per Ha.

5. SMC works: It is proposed to carryout SMC works like for digging of CCTs, CPTs and PTs in plantations and Semi lunar trenches around the plants about 25% of the afforestation cost.

6. Chain Link Fencing around the CA Area: In the said CA proposals provision is made for Chain Link Fencing around the proposed CA area.

7. Monitoring and Evaluation: Provision is made in the scheme @ 5% of the afforestation cost towards cost of M. Books, Plantation journals, Cash books, Development of new central nursery site, purchase of nursery equipments and construction of shed for nursery watcher etc., at Kanigiri Range and etc.,

8. Administration cost: Provision is made in the scheme @ 10% of the afforestation cost towards Maintenance of Government Vehicles, Engaging Data Entry Operator, Non Technical Maistry for Kanigiri, Giddalur Ranges & Division Offices and other miscellaneous items like, cost of Stationery, Computers & Fax Machines etc.,

9. Cost of the Project: The total cost of the Project will be **Rs.107.000 lakhs** as per the details given in the Abstract statement enclosed.


Divisional Forest Officer,
Giddalur.



29/11/2024

**Standard Unit Cost for Advance Operations for 1 Ha in Giddalur Division of Guntur Circle
(As per FSR 2021-22)**

| Sl. No | Qty. | Details of work | FSR item No. | Rate | Unit | Amount |
|--------|------|--|--------------|----------|------|-----------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | | Advance operations (Preplanting operations) | | | | |
| 1 | 1 | Survey with GPS (Only staff to carry out. One manday is allowed for assistance) Wage rate fixed by the Dist. Collector per day | 02-05-001 | 438.00 | Day | 438.00 |
| | | Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc., spreading the cut material allover the site and burning the same. | | | | |
| 2 | 1.00 | Medium Jungle Growth (>30% ground area covered with Jungle growth) | 02-05-005 | 10180.84 | Ha | 10180.84 |
| 3 | 150 | Formation of sector lines/ inspection paths/ fire lines of a width of 3m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level. Applicable for plantations other than SMM | 02-05-006 | 7.18 | Rmt | 1077.00 |
| | | Uprootal of stumps to a depth of 45 cm (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal and leveling. | | | | |
| 4 | 1.00 | Medium Jungle Growth (>30% ground area covered with Jungle growth) | 02-05-010 | 25712.48 | Ha | 25712.48 |
| | | Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site. | | | | |
| 5 | 1.00 | Medium Jungle Growth (>30% ground area covered with Jungle growth) | 02-05-014 | 13298.56 | Ha | 13298.56 |
| 6 | | Contingencies | | | | 1111.30 |
| | | Total Cost | | | | 51818.18 |

Unit cost for 2021-22 51818.18 Per Ha
Add 10% for 2022-23 57000.00 per Ha


Divisional Forest Officer (T)
Giddalur

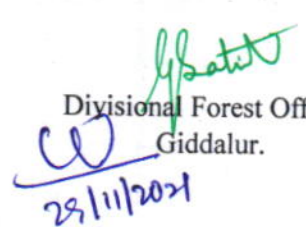

29/11/2021

PRIMARY BEDS

STANDARD UNIT COST FOR RAISING OF PRIMARY BEDS FOR RAISING OF NTHS SPECIES (As per FSR 2021-22)

| Sl. No. | Qty. | Description of work | 2021-22 FSR Item No. | Rate | Per/ Unit | Amount |
|---------|------------------------|---|----------------------|--------|---------------------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 1100 Nos. | Preparation of old site - by clearing the site by dismantling old beds. | 01-02-002 | 1.62 | Bed/ 333 Nos. | 5.35 |
| 2 | 1100 Nos. | Digging soil to a depth of 30 cm | 01-02-003 | 47.95 | Bed/ 333 Nos. | 158.39 |
| 3 | 1100 Nos. | Cost of sandy soil 50% of dugged quantity and transportation taken from private lands, with 5 kms lead loading and unloading charges by mannual means (Sandy soil and FYM. in 5:1 proportion) 0.125 cum per bed | 01-02-004 | 39.32 | Bed/ 333 Nos. | 129.89 |
| 4 | 1100 Nos. | Cost and transport of Farm yard manure (Sandy soil and FYM. in 5:1 proprtion) 0.025 cum per bed | 01-02-005 | 40.00 | Bed/ 333 Nos. | 132.13 |
| 5 | 1100 Nos. | Preparation of soil mixture of red earth, sand and farm yard manure in 5:1 proportion and formation of bed by refilling the excavated portion of the bed and filling of bed. | 01-02-006 | 13.40 | Bed/ 333 Nos. | 44.26 |
| 6 | 1100 Nos/ 6.30 Kgs | Cost of seed Nallamaddi @ Rs.111.72/Kg. 175 seedlings per Kg seed | Actuals | 119.83 | Kg | 754.93 |
| 7 | 1100 Nos. | Sowing of seed and covering the bed with hay including cost and conveyance to a thickness of 2.5 cm. | 01-02-008 | 15.23 | Bed/ 333 Nos. | 50.31 |
| 8 | 1100 Nos./ 2 months | Watering the primary nursery beds with rose water cans for a maximum period of 2 months. <u>Note:</u> Watering the primary beds beyond 2 months especially in the case of North-East monsoon areas prior approval of the CF concerned is required. | 01-02-009 | 17.09 | Bed/ 333 Nos/ month | 112.91 |
| 9 | 1100 Nos./ 2 times | Weeding the primary beds maximum of 2 times <u>Note:</u> Weeding the primary beds more than 2 times prior approval of the CF concerned is requiried. | 01-02-010 | 2.56 | Bed/ 333 Nos/ time | 16.91 |
| 10 | 1100 Nos. | Contingences such as cost of pipes, nursery board, electricity bills etc - 10% of estimate cost | 01-05-035 | | | 190.00 |
| | | | Total : | | | 1595.09 |

| | |
|-----------------------------------|------|
| Unit Cost for Bed (Misc. Species) | 1.45 |
| Add 10% for 2021-22 | 0.15 |
| Unit Cost for 2022-23 | 1.60 |
| Unit Cost for 2023-24 | 1.75 |


 Divisional Forest Officer,
 Giddalur.

28/11/2021

**STANDARD UNIT COST FOR RAISING OF 6"X12" NTSH & RED SANDERS BAG PLANTS
NURSERY (As per FSR 2021-22)**

| Sl. No. | Qty. | Description of work | 2021-22 FSR Item No. | Rate | Per/ Unit | Amount |
|---------|---------------------|---|----------------------|---|---------------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | Raising of Bag plant nursery in Polythene bags of different sizes and arranging in beds (Bed size 10Mx1M) | | | | |
| 1 | 1100 Nos. | Site preparation for old site - Clearing of growth, weeds, grass etc. | 01-05-002 | 16.39 | Bed/ 1100 | 16.39 |
| | | Cost and transport of ingredients for Potting mixture Red Soil and Clayey Soil in 2:1 ratio as per CSSR 2011-12 | | | | |
| 2 | 1100 Nos. | 15 cm X 30 cm (6" X 12") 2.15 cum. | 01-05-005 | 677.35 | 1000 Nos. | 745.09 |
| | | Preparation of potting mixture Red Soil and Clayey Soil in 2:1 ratio by powdering of various ingredients, sieving and mixing them in the prescribed proportion, Opening the bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds. | | | | |
| 3 | 1100 Nos. | 15 cm X 30 cm (6" X 12") 2.15 cum. | 01-05-011 | 1640.07 | 1000 | 1804.08 |
| 4 | 1150 Nos./ 10 Kgs | Cost of Polythene bags (@ 115 Nos./Kg) Tender rate | 01-05-015 | 136.88 | Kg | 1368.80 |
| 5 | 1100 Nos. | Picking out seedlings from primary beds and transplanting in bags. | 01-05-016 | 173.700 | 1000 | 191.07 |
| 6 | 1000 Nos./ 5 months | Watering the plants twice a day for 10 m X 1 m size bed (2600-4"X7" bags; 1700-5"X9" bags ; 1100-6"X12" bags and 800-8"X12" bags) | 01-05-020 | 401.33 | Bed/ 1100/ month | 1824.23 |
| 7 | 1000 Nos./ 2 times | Weeding only two times for 10 m X 1 m size bed (2600 -4" X 7" bags; 1700-5" X9" bags ; 1100-6"X12" bags and 800-8"X12" bags) | 01-05-022 | 61.89 | Bed/ 1100/ weeding | 112.53 |
| 8 | 1000 Nos./ 1 time | Shifting & grading and rearranging in beds for 10mx1m size bed (6x12 bags/ 1100 Nos) only once | 01-05-024 | 341.27 | Bed/ 1100/ shifting | 310.25 |
| 9 | | Cost of chemicals, insecticides, pesticides etc., | 01-05-025 | Actuals | | 250.00 |
| 10 | 1000 Nos./ 1 time | Cost of cow dung slurry | 01-05-033 | As per actuals | | 250.00 |
| 11 | 1000 Nos./ 1 time | Application of cow dung slurry at the rate of 100 ml to 250 ml. per plant depending upon the size of the plant monthly twice maximum of 3 times. (Once in raising and 2 times in maintenance) Note: Watering should not be done 12 hours before and after application of cow dung slurry. | 01-05-034 | 257.08 | 1000/ time | 257.08 |
| 12 | 1000 Nos/ 25 Rmt | Brush wood fencing around the planting area: Thorny fencing with sturdy thorn material of 10 cm. girth (at the butt end) and fixing in crow bar holes and strengthening with stone packing. The average height of fence should be 1.5 m and fencing material should be fixed in 2 rows (staggered) at 30 cm apart. The fence should be tightened horizontally by tying with thorny reapers on both | 01-05-039 | 34.87 | Rmt | 871.75 |
| 13 | 1000 Nos./ 5 months | Cost of Protection. 1 watcher is allowed upto 100 beds nursery under all the schemes and more than 100 beds 1 more watcher is allowed. Average per 100beds. (26 days per month) $438 \times 26 = 11388 \times 5 \text{ months} = 56940/100 = 569.40$ | 01-05-041 | 438.00 | Day | 569.40 |
| 14 | 1000 Nos | Contingencies/ Cost of pipes/ Nursery board/ Nursery implements/ Electricity bill/ Running and maintenance charges of oil engine (Bills to be verified and certified by the ACF/DFO) etc. | 01-05-038 | Subject to maximum of 10% of estimate cost during raising year. | | 857.00 |
| | | Total : | | | | 9427.65 |

Unit cost per primary bed
Unit cost per bag plant
Total unit cost per bag plant

1.60
9.43
11.02
Add 10% for 2021-22 1.10
Unit Cost for 2022-23 12.13
Unit Cost for 2023-24 13.34 Each bag plant


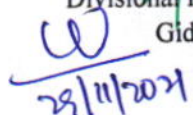
Divisional Forest Officer,
Giddalur.

[Signature]
29/11/2021

STANDARD UNIT COST FOR MAINTENANCE OF 6"X12" NTSH & RED SANDERS BAG PLANTS (As per FSR 2021-22)

| Sl. No. | Qty. | Description of work | 2021-22 FSR Item No. | Rate | Per/ Unit | Amount |
|---------|---------------------|---|----------------------|---|---------------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | Maint.of bag nursery from April to July | | | | |
| 1 | 1000 Nos./ 4 months | Watering the plants for 10 m X 1 m size bed (2600-4"X7" bags; 1700-5"X9" bags ; 1100-6"X12" bags and 800-8"X12" bags) Note: Any watering beyond July in case of South-West monsoon and beyond October in case of North-East monsoon is to be allowed with prior permission of concerned CF. | 01-05-028 | 401.33 | Bed/ 1100/ month | 1459.38 |
| 2 | 1000 Nos./ 4 times | Weeding maximum four times during maintenance year for 10mx1m size bed (2600-4"X7" bags; 1700-5"X9" bags; 1100-6"X12" bags and 800-8"X12" bags) | 01-05-030 | 61.89 | Bed/ 1100/ weeding | 225.05 |
| 3 | 1000 Nos./ 2 times | Shifting and grading and re-arranging in beds for 10 m X 1 m size bed maximum 2 shifts (6x12 bags-1100 Nos) Note; More than 2 shifts to be allowed (with prior permission of circle head) | 01-05-032 | 341.27 | Bed/ 1100/ shifting | 620.49 |
| 4 | 1000 Nos./ 2 times | Cost of cow dung slurry | 01-05-033 | | Actuals | 800.00 |
| 5 | 1000 Nos./ 2 times | Application of cow dung slurry at the rate of 100 ml to 250 ml. per plant depending upon the size of the plant monthly twice maximum of 3 times. (Once in raising and 2 times in maint.) Note: Watering should not be done 12 hours before and after application of cow dung slurry. | 01-05-034 | 257.08 | 1000/ time | 514.16 |
| | | Maintenance of bag nursery from August onwards till disposal | | | | |
| 6 | 1000 Nos./ 4 months | Watering the plants for 10mX1m size bed (2600-4"X 7" bags; 1700-5"X9" bags; 1100-6"X12" bags and 800-8"X12" bags) | 01-05-035 | 160.55 | Bed/ 1100/ month | 583.82 |
| 7 | 1000 Nos./ 2 times | Shifting and grading and re-arranging in beds for 10 m X 1 m size bed (6x12 bags-1100 Nos) Note; More than 2 shifts to be allowed (with prior permission of circle head) | 01-05-037 | 341.27 | Bed/ 1100/ shifting | 620.49 |
| 9 | 1000 Nos./ 8 months | Cost of Protection. 1 watcher is allowed upto 100 beds nursery under all the schemes and more than 100 beds 1 more watcher is allowed. Average 100beds. (26 days/month). | 01-05-041 | 438.00 | Day | 911.04 |
| 10 | 1000 Nos. | Contingencies/ Cost of pipes/ Nursery board/ Nursery implements/ Electricity bill/ Running and maintenance charges of oil engine (Bills to be verified and certified by the ACF/DFO) etc. | 01-05-038 | Subject to maximum of 5% of the estimate cost during maint.year | | 325.00 |
| | | Total : | | | | 6059.44 |

Unit cost per bag plant 6.06
 Add 10% for 2021-22 0.61
 Unit Cost for 2022-23 6.67
 Unit Cost for 2023-24 7.27
 Unit Cost for 2024-25 8.00 Each bag plant


 Divisional Forest Officer,
 Giddalur.


Standard Unit Cost for Raising of NTSH Plantations under SMM Method for NTSH & Red Sanders Unit cost for 1 Ha in Giddalur Division of Guntur Circle (As per FSR 2021-22)

| Sl. No. | Qty. | Description of work with detailed specifications | FSR Code | Rate in Rs. | Per/ Unit | Amount |
|---------|-----------------|--|-----------|---|----------------|-----------------|
| | | Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough (Untilled areas) | | | | |
| 1 | 1.00 | Hard /Gravelly Soils | 02-05-020 | 6603.08 | Ha | 6603.08 |
| 2 | 1.00 | Removing congestion of root suckers and other uprooted material hindering the effective ploughing (For non-tilled areas only) | 02-05-024 | 1131.90 | Ha | 1131.90 |
| | | Alignment & Staking | | | | |
| 3 | 1111 | Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos) | 02-06-003 | 98.33 | 100 Nos | 1092.45 |
| 4 | 1111 | Cost of 0.45M Stake preparation and transportation to site. | 02-06-005 | 64.02 | 100 Nos | 711.26 |
| | | Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 50 Km lead (5 Km lead) | | | | |
| 5 | 1111.00 | 15X30cm (6"X12") bag plants | 02-06-009 | 168.27 | 100 Nos | 1869.480 |
| | | Transport of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading beyond 5 Km - extra for every each Km average lead 45 Km | | | | |
| 6 | 1111.00 | 15 X 30cm (6"X12") bag plants | 02-06-014 | 265.50 | 100 nos/ km | 2949.705 |
| | | Internal transport of bag plants/root trainers to planting points on head loads. | | | | |
| 7 | 1111 | 15X30cm (6"X12") bag plants | 02-06-019 | 107.94 | 100 Nos | 1199.21 |
| | | Digging of pits in ploughed areas | | | | |
| 8 | 1111 | Digging of 45 cm. cube pits | 02-06-027 | 10.81 | Each | 12009.91 |
| | | Application of Fertilizers | | | | |
| 9 | | Cost of Chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP after planting for 30 cm ³ & 45 cm ³ pits). | 02-06-031 | | As per actuals | |
| | 56.00 | a) Cost of SSP @ 50 Grams/Pit - 56Kgs/Ha | | 25.00 | Kg | 1400.00 |
| | 22.00 | a) Cost of DAP @ 20 Grams/Pit - 22 Kgs/Ha | | 40.00 | Kg | 880.00 |
| 10 | 1111 | Application of fertilizer after planting by making 3 holes of 10 cms depth with crow bar . 10 cms away from plant amd putting fertilizers and closing | 02-06-032 | 46.18 | 100 Nos | 513.06 |
| | | Planting bag plants | | | | |
| 11 | 1111 | 45cmX45cmX45 cm pits | 02-06-034 | 514.13 | 100 Nos | 5711.98 |
| 12 | 1111 | Provision of watering during planting as per PCCFs Circular 6B/06/G1, (Rc.No. 17309/2000-G1, dt: 16.08.2005) with the permission Circle Head (Two Waterings) As per condition no.80 of Guntur FSR-2021-22 | 02-06-054 | 2.97 | Plant per time | 6599.34 |
| 13 | | Replacement of Casualties 20% during raising year | 02-06-036 | | | |
| | 222 | a) Reopening of pits | | 540.50 | 100 Nos | 1199.91 |
| | 222 | b) Transport of bag plants over 50 Km | | 433.77 | 100 Nos | 962.97 |
| | 222 | c) Internal transport | | 107.94 | 100 Nos | 239.63 |
| | 222 | d) Planting | | 514.13 | 100 Nos | 1141.37 |
| | | Weeding & Soil working | | | | |
| 14 | 1111 | Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils. | 02-06-041 | 771.20 | 100 Nos | 8568.03 |
| | | Inter ploughing | | | | |
| 15 | 1.00 | Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils | 02-06-045 | 4401.40 | Ha | 4401.40 |
| 16 | 150 | Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation | 02-06-049 | 7.18 | Rmt | 1077.00 |
| 17 | 1 No./ 8 months | Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required.Wage rate fixed by the Dist.Collector per day. | 02-06-053 | 438.00 | Day | 4555.20 |
| 18 | 1111 | Provision of watering during planting as per PCCFs Circular 6B/06/G1, (Rc.No. 17309/2000-G1, dt: 16.08.2005) with the permission Circle Head (Six Waterings)As per condition no.80 of Guntur FSR-2021-22 | 02-06-054 | 2.97 | Plant per time | 19798.02 |
| 19 | | Contingencies for enumeration of survivals, fixing 10th line stones, cost of numbering with paint/ white washing, sector stones, plantation boards, journals etc. | 02-06-056 | As per actuals subject to maximum of 10% of estimate cost during raising year | | 9600.00 |
| | | Total cost | | | | 94214.91 |

Unit cost for 2021-22
Add 10% for 2022-23
Add 10% for 2023-24

94214.91
103636.40
114000.04 Per Ha

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Divisional Forest Officer (T)
Giddalur
29/11/2021

Standard Unit Cost for 1st Year Maintenance of NTSH Plantations under SMM Method for NTSH & Red Sanders
Unit cost for 1 Ha in Giddalur Division of Guntur Circle (As per FSR 2021-22)

| Sl. No | Qty | Details of work | FSR Item No. | Per | Unit | Rate |
|--------|------------------|--|--------------|---|----------------|-----------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | | 1st YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS: | | | | |
| 1 | | Replacement of Casualties 25% in 1st year maint. | 02-07-001 | | | |
| | 278 | a) Reopening of pits | | 1081.00 | 100 Nos | 3005.18 |
| | 278 | c) Internal transport | | 107.94 | 100 Nos | 300.07 |
| | 278 | d) Planting | | 514.13 | 100 Nos | 1429.28 |
| | | Application of Fertilizers | | | | |
| 2 | 1111 | Provision of watering during planting as per PCCFs Circular 6B/06/G1, (Rc.No. 17309/2000-G1, dt: 16.08.2005) with the permission Circle Head. As per condition no.80 of Guntur FSR-2021-22 | 02-06-054 | 2.97 | Plant per time | 3299.67 |
| 3 | | Cost of Chemical fertilisers (50 grm SSP for basal dressing, 20 grm DAP for replacement of casualties). | 02-07-002 | | As per actuals | |
| 4 | 14.00 | a) Cost of SSP @ 50 Grams/Pit - 14 Kgs/Ha | | 25.00 | Kg | 350.00 |
| 5 | 6.00 | a) Cost of DAP @ 20 Grams/Pit - 6 Kgs/Ha | | 40.00 | Kg | 240.00 |
| 6 | 278 | Application of fertilizer after planting by making 3 holes of 10 cms depth with crow bar. 10 cms away from plant and putting fertilizers and closing | 02-07-003 | 46.18 | 100 Nos | 128.38 |
| | | Inter ploughing | | | | |
| 7 | 1.00 | Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils | 02-07-007 | 4401.40 | Ha | 4401.40 |
| 8 | 1111 | Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils. | 02-07-011 | 771.20 | 100 Nos | 8568.03 |
| 9 | 150 | Creation of Fire lines 3 mts wide | 02-07-014 | 7.18 | Rmt | 1077.00 |
| 10 | 833 | Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height. | 02-07-015 | 145.97 | 100 Nos | 1215.93 |
| 11 | 1 No./ 12 months | Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist.Collector per day | 02-07-017 | 438.00 | Day | 6832.80 |
| 12 | | Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc. | 02-07-018 | As per actuals subject to maximum of 5% of estimate cost during maint. year | | 1834.45 |
| | | Total Cost | | | | 32682.20 |

Unit cost for 2021-22 32682.20
Add 10% for 2022-23 35950.42
Add 10% for 2023-24 39545.46
Add 10% for 2024-25 **43500.00**


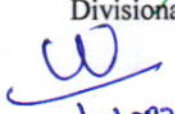
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Divisional Forest Officer (T)
Giddalur

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29/11/2024

Standard Unit Cost for 2nd Year Maintenance of NTSH Plantations under SMM Method for NTSH & Red Sanders Unit cost for 1 Ha in Giddalur Division of Guntur Circle (As per FSR 2021-22)

| SL.N o | Qty | Details of work | FSR Item No. | Per | Unit | Rate |
|-----------|------------------|--|-----------------|---|---------|-----------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | | 2nd YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS/SEMI MECHANICAL METHOD: | 02-08: | | | |
| 1 | 1111 | Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils. | 02-07-003 | 771.20 | 100 Nos | 8568.03 |
| | | Inter ploughing | | | | |
| 2 | 1.00 | Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils | 02-08-008 | 4401.40 | Ha | 4401.40 |
| 3 | 150 | Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation | 02-08-012 | 7.18 | Rmt | 1077.00 |
| 4 | 1 No./ 12 months | Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist.Collector per day | 02-08-014 | 438.00 | Day | 6832.80 |
| 5 | 1111 | Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height. | 02-08-015 | 145.97 | 100 Nos | 1621.73 |
| 6 | | Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc. | 02-08-016 | As per actuals subject to maximum of 5% of estimate cost during maint. year | | 1746.00 |
| | | Total Cost | | | | 24246.96 |

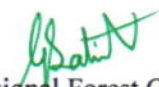

Unit Cost for 2021-22 24246.96
Add 10% For 2022-23 26671.65
Add 10% for 2023-24 29338.82
Add 10% for 2024-25 32273.00
Add 10% for 2025-26 **35500.00** Ha


Divisional Forest Officer (T)
Giddalur

28/11/2021

Standard Unit Cost for 3rd Year Maintenance of NTSH Plantations under SMM Method for NTSH & Red Sanders Unit cost for 1 Ha in Giddalur Division of Guntur Circle (As per FSR 2021-22)

| Sl. No | Qty | Details of work | FSR Item No. | Per | Unit | Rate |
|--------|------------------|--|--------------|---|---------|-----------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | | 3rd YEAR YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS: | | | | |
| 1 | 1111 | Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravellary soils. | 02-09-002 | 771.20 | 100 Nos | 8568.03 |
| | | Inter ploughing | | | | |
| 2 | 1.00 | Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravellary soils | 02-09-006 | 4401.40 | Ha | 4401.40 |
| 3 | 150 | Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation | 02-09-008 | 7.18 | Rmt | 1077.00 |
| 4 | 1 No./ 12 Months | Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist.Collector per day | 02.09.009 | 438.00 | Day | 6832.80 |
| 5 | 1111 | Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height. | 02-09-010 | 145.97 | 100 Nos | 1621.73 |
| 6 | | Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc. | 02-09-012 | As per actuals subject to maximum of 5% of estimate cost during maint. year | | 1093.67 |
| | | Total Cost | | | | 23594.63 |

Unit Cost for 2021-22 23594.63
Add 10% for 2022-23 25954.09
Add 10% for 2023-24 28550.00
Add 10% for 2024-25 31405.00
Add 10% for 2025-26 34546.00
Add 10% for 2026-27 **38001.00** Ha



Divisional Forest Officer (T)
Giddalur

27/11/2024

Standard Unit Cost for 4th Year Maintenance of NTSH Plantations under SMM Method for NTSH & Red Sanders Unit cost for 1 Ha in Giddalur Division of Guntur Circle (As per FSR 2021-22)

| Sl. No | Qty | Details of work | FSR Item No. | Rate | Per | Amount |
|--------|-----------------|--|--------------|---|---------|-----------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | | 4th YEAR YEAR MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS: | | | | |
| 1 | 150 | Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation | 02-10-001 | 7.18 | Rmt | 1077.00 |
| 2 | 1 No./ 12Months | Cost of Protection. One watcher is allowed for 20 Ha plantation. If the area is less prior approval of Circle Head is required. Wage rate fixed by the Dist.Collector per day | 02-10-002 | 438.00 | Day | 6832.80 |
| 3 | 1111 | Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height. | 02-10-003 | 145.97 | 100 Nos | 1621.73 |
| 4 | | Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc. | 02-10-004 | As per actuals subject to maximum of 5% of estimate cost during maint. year | | 628.98 |
| | | Total Cost | | | | 10160.51 |

| | | | |
|-----------------------|-----------------|-----------|-----------------|
| Unit Cost for 2021-22 | 10161.00 | Ha | |
| Add 10% for 2022-23 | 11177.00 | Ha | |
| Add 10% for 2023-24 | 12295.00 | Ha | |
| Add 10% for 2024-25 | 13525.00 | Ha | |
| Add 10% for 2025-26 | 14878.00 | Ha | |
| Add 10% for 2026-27 | 16366.00 | Ha | |
| Add 10% for 2027-28 | 18003.00 | Ha | 4th year |


 Divisional Forest Officer (T)
 Giddalur


 29/11/2024

**Standard Unit Cost for 5th Year to 10th Maintenance of NTSH Plantations under SMM Method for NTSH
& Red Sanders Unit cost for 1 Ha in Giddalur Division of Guntur Circle (As per FSR 2021-22)**

| Sl. No | Qty | Details of work | FSR Item No. | Rate | Per | Amount |
|--------|------|---|--------------|---|---------|----------------|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| | | 5th YEAR YEAR to 10th year MAINTENANCE OF PLANTATIONS IN OTHER THAN SANDY SOILS: | | | | |
| 1 | 150 | Creation of sectorlines/inspection paths/ fire lines 3 mts wide around the plantation | 02-10-001 | 7.18 | Rmt | 1077.00 |
| 2 | 1111 | Pruning of lower foliage/ branches of NTFP /NTSH/Misc species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height. | 02-10-003 | 145.97 | 100 Nos | 1621.73 |
| 3 | | Contingencies for Enumeration of survivals in plantation including cost of paints, replacement of broken stones, plantation boards etc. | 02-10-004 | As per actuals subject to maximum of 5% of estimate cost during maint. year | | 135.27 |
| | | Total Cost | | | | 2834.00 |

| | | | |
|-----------------------|---------|----|-----------------------|
| Unit Cost for 2021-22 | 2834.00 | Ha | |
| Add 10% for 2022-23 | 3117.00 | Ha | |
| Add 10% for 2023-24 | 3429.00 | Ha | |
| Add 10% for 2024-25 | 3772.00 | Ha | |
| Add 10% for 2025-26 | 4149.00 | Ha | |
| Add 10% for 2026-27 | 4564.00 | Ha | |
| Add 10% for 2027-28 | 5020.00 | Ha | |
| Add 10% for 2028-29 | 5522.00 | Ha | OR |
| Add 10% for 2029-30 | 6074.00 | Ha | 5600 5th year |
| Add 10% for 2030-31 | 6681.00 | Ha | 6100 6th year |
| Add 10% for 2031-32 | 7349.00 | Ha | 6700 7th year |
| Add 10% for 2032-33 | 8084.00 | Ha | 7400 8th year |
| Add 10% for 2033-34 | 8892.00 | Ha | 8100 9th year |
| | | | 8900 10th year |


 Divisional Forest Officer (T)
 Giddalur


29/11/2024

ABSTRACT ESTIMATE

Estimate for erection of Chain link fencing about 2101 Rmt length and 1.50Mts height around proposed CA area in lieu of Diversion of 10.72 Ha of Forest land for quarry lease in Venkatagiri Range of Nellore Division for Mica, Quartz & Feldspar in favour of M/s Mica Zone, Mg.Partner: Sri.G.Krishnam Raju.

| Sl. No | Qty. | Units | Description of work | Rate | Per | Amount |
|--------|-------|-------|---|---------|-----|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 79.95 | Cum | Earth work excavation for foundation and depositing on bank for all lifts with an initial lead of 10m including all operational, incidental, labour charges such as shorting, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges etc as per SS -20b (APSS 308) | 202.64 | Cum | 16201 |
| 2 | 79.95 | Cum | Plain Cement concrete (M 15) Nominal Mix using 20mm grades metal including cost of mixing, laying, cost and conveyance of all labour and materials at site of work complete | 6905.66 | Cum | 552087 |
| 3 | 2101 | Rmt | Providing 1.50 metre high fencing with angle iron posts 50 mm x 50 mm x 6 mm at 3 metre center to center with 0.45 metre embedded in M15 grade cement concrete, corner, end and every 10th post to be strutted, provided with Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh or 75 mm x 75 mm mesh and fixed to iron posts by flat iron 50 x 5 mm and bolts etc. up to 1.50mts a complete in all respects. (MORTH Suggestive), with Painting two coats including priming | 957.85 | Rmt | 2012446 |
| | | | Sub total | | | 2580733 |
| | | | GST @ 12% of estimate cost | | | 309688 |
| | | | Labour Cess @ 1% of estimate cost | | | 25807 |
| | | | Contingencies @ 5% on estimate cost | | | 129037 |
| | | | Total cost | | | 3045265 |

Unit cost for 2021-22 3045265
Add 10% for 2022-23 3349792
Add 10% for 2023-24 3684771
Rate per 1 Rmt 1753.82 Rmt


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DETAILED ESTIMATE

Estimate for erection of Chain link fencing about 2101 Rmt length and 1.50Mts height around proposed CA area in lieu of Diversion of 10.72 Ha of Forest land for quarry lease in Venkatagiri Range of Nellore Division for Mica, Quartz & Feldspar in favour of M/s Mica Zone, Mg.Partner: Sri.G.Krishnam Raju.

| Sl. No | Description of work | Nos | Measurements | | | Quantity | |
|--------|---|------|--------------|------|------|----------|-----|
| | | | L | B | D | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 1 | Earth work excavation for foundation and depositing on bank for all lifts with an initial lead of 10m including all operational, incidental, labour charges such as shorting, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges etc as per SS -20b (APSS 308) | | | | | | |
| | For a Length of = 2101 RMT as per sketch | 2101 | | | | | |
| | For Fencing Angels @ Every 3mtr Intravals | 700 | 0.45 | 0.45 | 0.45 | 63.82 | |
| | Support Angels @ Every 10th Angle (700/10x2=140) | 140 | 0.45 | 0.45 | 0.45 | 12.76 | |
| | Support Angulars in corners and addl support | 37 | 0.45 | 0.45 | 0.45 | 3.37 | |
| | Total Qty | | | | | 79.95 | Cum |
| 2 | Plain Cement Concrete (M 15) Nominal Mix using 20mm grades metal including cost of mixing, laying, cost and conveyance of all labour and materials at site of work complete | | | | | | |
| | For a Length of = 2101 RMT as per sketch | | | | | | |
| | For Fencing Angels @ Every 3mtr Intravals | 700 | 0.45 | 0.45 | 0.45 | 63.82 | |
| | Support Angels @ Every 10th Angle | 140 | 0.45 | 0.45 | 0.45 | 12.76 | |
| | Support Angulars in corners and addl support | 37 | 0.45 | 0.45 | 0.45 | 3.37 | |
| | Total Qty | | | | | 79.95 | Cum |
| 3 | Providing 1.50 metre high fencing (with angle iron posts 50 mm x 50 mm x 6 mm at 3 metre center to center with 0.60 metre embedded in M15 grade cement concrete, corner, end and every 10th post to be strutted, provided with Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh or 75 mm x 75 mm mesh and fixed to iron posts by flat iron 50 x 5 mm and bolts etc. up to 1.50mts complete in all respects. (MORTH Suggestive) | 1 | 2101 | - | - | 2101 | Rmt |


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DATA SHEET -SSR 2021-22

| Item Code | Description of Item | Per | Unit | Rate | Amount |
|---------------|---|-------|---------|---------|---------|
| BLDCSTN-2-1 | Excavation for Structures | | | | |
| | Earth work excavation for foundation and depositing on bank for all lifts with an initial lead of 10m including all operational, incidental, labour charges such as shorting, sheeting, planking, strutting etc., complete for finished item of work including seigniorage excluding dewatering charges etc as per SS -20b (APSS 308) | | | | |
| | Ordinary soil | | | | |
| | Manual Means Upto 3 m depth | | | | |
| | Unit = cum | | | | |
| | Taking output = 10 cum | | | | |
| | a) Labour | | | | |
| | Mate | day | - | | |
| | Mazdoor (Unskilled) | day | 3.64 | 490.00 | 1783.60 |
| | b&c) Overheads & Contractors Profit | | | | 242.84 |
| | Cost for 10 cum = a+b+c | | | | 2026.44 |
| | Rate per cum = (a+b+c)/10 | | | | 202.64 |
| BLD-CSTN-3-12 | Plain Cement concrete (M 15) Nominal Mix using 20mm grades metal including cost of mixing, laying, cost and conveyance of all labour and materials at site of work complete | | | | |
| | using 20mm metal using concrete mixer | | | | |
| | Unit : 1cum | | | | |
| | A. MATERIALS: | | | | |
| | Cement | Kg | 275.00 | 3.680 | 1012.00 |
| BLD-CSTN-3-12 | Coarse aggregate 20mm | cum | 0.90 | 2751.10 | 2475.99 |
| | Fine aggregate (Sand) | cum | 0.48 | 2330.70 | 1118.74 |
| | Water (including for curing) (Urbun) | kl | 1.20 | 88.00 | 105.60 |
| | B. MACHINERY | | | | 0.00 |
| | Concrete Mixer 10/7cft(0.2/0.8 Cum) capacity | hour | 1.00 | 626.20 | 626.20 |
| | C. LABOUR: | | | | 0.00 |
| | Mason 1 st class | day | 0.10 | 585.00 | 58.50 |
| | Mazdoor (unskilled) | day | 1.39 | 490.00 | 681.10 |
| | Sub total | | | | 6078.13 |
| | Overheads & Contractors Profit | | 13.615% | | 827.54 |
| | Grand Total | | | | 6905.66 |
| RBR-TSRA-7 | Painting on Steel Surfaces | | | | |
| | Providing and applying two coats of ready mix Enamel paint including primer coat of approved brand on steel surface after through cleaning of surface to give an even shade as per drawing and Technical Specification Clause 1701MORD | | | | |
| | Unit = sqm | | | | |
| | Taking output = 10 sqm | | | | |
| | a) Labour | | | | |
| | Painter CL-1 | day | 0.00 | 655.00 | 0.00 |
| | Painter (2nd Class) | day | 0.60 | 525.00 | 315.00 |
| | Mazdoor (Unskilled) | day | 0.40 | 490.00 | 196.00 |
| | b) Material | | | | |
| | Red-oxide Primer as per specifications (Item No. BMT-J-03) | litre | 0.60 | 121.00 | 72.60 |
| | Paint ready mixed approved brand (Item No. BMT-J-30) | litre | 1.25 | 172.00 | 215.00 |
| | Sub total | | | | 798.60 |
| | Overheads & Contractors Profit | | 13.615% | | 108.73 |
| | Cost for 10 sqm = a+b+c+d | | | | 907.33 |
| | Rate per sqm = (a+b+c+d)/10 | | | | 90.733 |

| Item Code | Description of Item | Per | Unit | Rate | Amount |
|-------------|--|-----|---------|--------|----------|
| RBR-TSRA-17 | Fencing With Hot Dipped Galvanised Iron Chain Link Mesh | | | | |
| | Providing 1.50 metre high fencing with angle iron posts 50 mm x 50 mm x 6 mm at 3 metre center to center with 0.45 metre embedded in M15 grade cement concrete, corner, end and every 10th post to be struted, provided with Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh or 75 mm x 75 mm mesh and fixed to iron posts by flat iron 50 x 5 mm complete in all respects. (MORTH Suggestive) | | | | |
| RBR-TSRA-17 | Unit = Running metre | | | | |
| | Taking output = 30 m | | | | |
| | a) Labour | | | | |
| | Mate | day | - | | |
| | Welder | day | 1.00 | 575.00 | 575.00 |
| | Mazdoor | day | 2.12 | 490.00 | 1038.80 |
| | b) Material | | | | |
| | i) Angle iron for posts 50 x 50 x 6 mm (Proportionate weight for 1.50Mts). | kg | 105.40 | 52.00 | 5480.80 |
| | ii) Runner flat 50 x 5 mm (Proportionate weight for 1.50Mts). | kg | 29.97 | 52.00 | 1558.44 |
| | iii) Hot Dipped Galvanised Chain Link Mesh 8 Gauge (4mm) as per IS 2721-1979 3" X 3" mesh 8 gauge or 75 mm x 75 mm mesh (30 mtrX1.5 Mtr) (Item No. BMT-F.22.) | Sqm | 45.00 | 345.00 | 15525.00 |
| | Add 2.5 percent of cost of material for drilling holes in angles, flats, splitting angle at bottom, nuts and bolts and welded consumables | | | | 388.13 |
| | d) Painting | | | | |
| | Painting two coats including priming | sqm | 8.00 | 90.73 | 725.86 |
| | Sub total | | | | 25292.03 |
| | Overheads & Contractors Profit | | 13.615% | | 3443.51 |
| | Cost for 30 metre = a+b+c+d+e+f | | | | 28735.54 |
| | Rate per metre = (a+b+c+d+e+f)/30 | | | | 957.85 |

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LEAD STATEMENT- 2021-22.

| Sl. No. | Description | SOR Item Code | Source of Material | Lead in KM | Initial Cost | Conveyance Charges | Deduct 1 Km lead | Net Conveyance | Add Seigniorage | Total (6+9+10) | Unit Per |
|---------|------------------------------|---|--------------------|------------|--------------|--------------------|------------------|----------------|-----------------|----------------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 13 |
| 1 | Cost of Cement | GO (SoR-2021-22) | At site | At site | 3672.00 | 0 | 0 | 0 | 0 | 3672.00 | 1 MT |
| 2 | Cost of Sand (Unscreened) | GO MAT-00027 | Chennur | 140 | 605.00 | 1659.40 | 33.700 | 1625.70 | 100 | 2330.70 | 1 Cum |
| 3 | Cost of 20 mm Metal | M-53 MAT-00218 | Ramathertham | 110 | 1418.00 | 1275.60 | 32.50 | 1243.10 | 90 | 2751.10 | 1 Cum |
| 4 | Cost of Anglers & Flats | GO ENC, WRD, Vijayawada, Lr.no.ENC/TW/SE(P&M) Cell/EE.1/DEE 02/AEE/20/Cement & Steel/ vol-06, dt.9.8.2021. | Local | At site | 52000.00 | 0 | 0 | 0 | 0 | 52000.00 | 1 MT |


 Divisional Forest Officer
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 29/11/2021

**Data sheet for Maint., of Chain Link Fencing around CA Area
(FSR 2021-22)**

| Sl. No. | Qty. | Description of work | 2021-22 FSR Item No. | Rate | Per/ Unit | Amount |
|---------|------|---|-------------------------|------|-----------|-----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 3152 | Salvaging of old chain link (2101*1.50 = 3152 sqmt) | 05-05-005 | 5.21 | 1 sqmt | 16421.92 |
| 2 | | Contingencies | 02-13-003 | LS | | 78.08 |
| | | Total | | | | 16500.00 |

| | | | |
|-----------------------|----------|--------------|-----------|
| Unit cost for 2021-22 | 16500.00 | | |
| Add 10% for 2022-23 | 18150.00 | | |
| Add 10% for 2023-24 | 19965.00 | OR | |
| Add 10% for 2024-25 | 21961.50 | 22000 | 1st Year |
| Add 10% for 2025-26 | 24157.65 | 24200 | 2nd Year |
| Add 10% for 2026-27 | 26573.42 | 26600 | 3rd Year |
| Add 10% for 2027-28 | 29230.76 | 29300 | 4th Year |
| Add 10% for 2028-29 | 32153.83 | 32200 | 5th Year |
| Add 10% for 2029-30 | 35369.22 | 35400 | 6th Year |
| Add 10% for 2030-31 | 38906.14 | 39000 | 7th Year |
| Add 10% for 2031-32 | 42796.75 | 42800 | 8th Year |
| Add 10% for 2032-33 | 47076.43 | 47100 | 9th Year |
| Add 10% for 2033-34 | 51784.07 | 51800 | 10th Year |


 Divisional Forest Officer
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