

GOVERNMENT OF TELANGANA
ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY (FOR.I) DEPARTMENT

Letter.No.232/For.I(1)/2021

Dated:27.07.2022.

From
The Special Chief Secretary to Government,
EFS&T(Forest) Department,
Telangana State Secretariat,
Hyderabad.

To
The Inspector General of Forests,
Government of India,
Ministry of Environment, Forests & Climate Change,
(FC Division), Indira Paryavaran Bhavan,
Jorbagh Road, Aliganj,
New Delhi -110 003. (w.e.)

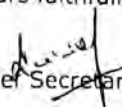
Sir,

Sub: EFS&T Department – Diversion of **649.3014 Ha** forest land in Ramavaram RF of Ramavaram Range of Kothagudem forest division for grant of mining lease for proposed venkateshkhani OCP from underground rights to surface rights in Kothagudem Area in Bhadradi Kothagudem District in favour of M/s. SCCL – Regarding.

- Ref:1.From the PCCF(HoFF),T.S, Hyd., Ref.No.10066/2019/FCA-4,
Dated:16.01.2021.
2. Govt. Lr.No.232/For.I(1)/2021, Dated:18.02.2021.
3.From the PCCF(HoFF), T.S., Hyd., Ref.No.10066/2019/
FCA-4, Dated:29.06.2021.
4.Govt.Lr.No.232/For.I(1)/2021, Dated:16.07.2021.
5.From the PCCF(HoFF), T.S., Hyd., Ref.No.10066/2019/
FCA-4, Dated:07.12.2021.
6.Govt.Lr.No.232/For.I(1)/2021, Dated:18.12.2021.
7.From the PCCF(HoFF), T.S., Hyd., Ref.No.10066/2019/
FCA-4, Dated:12.01.2022.
8.Govt.Lr.No.232/For.I(1)/2021, Dated:28.01.2022.
9.From the PCCF (HoFF), T.S., Hyd., Ref.No.FC4 /FC29/6/2022,
Dated: 16.05.2022.
10.Govt.Lr.No.232/For.I(1)/2021, dt:24-05-2022.
11.From the Assistant Inspector General of Forests,
GoI, MoEF&CC(Forest Conservation Division), New Delhi,
F.No.8-05/2021-FC, dt.20.06.2022.
12.From the PCCF(HoFF), T.S, Hyd., Ref.No.PCCF-FC4/FC29/
6/2022-FCA Section, Dt:05.07.2022.

I am to forward the additional information in respect of the proposal for diversion of **649.3014 Ha** forest land in Ramavaram RF of Ramavaram Range of Kothagudem forest division for grant of mining lease for proposed venkateshkhani OCP from underground rights to surface rights in Kothagudem Area in Bhadradi Kothagudem District in favour of M/s. SCCL., as reported by the Principal Chief Conservator of Forests (HoFF), Telangana State, Hyderabad in the letter 12th cited, for taking necessary further action in the matter.

Yours faithfully,


for Special Chief Secretary to Government.

Copy to:

The Principal Chief Conservator of Forests (HoFF),
Telangana State, Hyderabad.

SC.

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From
Sri R.M.Dorbiyal, IFS,
Principal Chief Conservator of Forests (Head of
Forest Force)(FAC),
Telangana State, "Aranya Bhavan",
Saifabad, **Hyderabad.**

To
**The Spl. Chief Secretary to
Government,**
Forests Department,
Telangana State,
"Aranya Bhavan",
Saifabad, **Hyderabad.**

Ref.No. PCCF-FC4/FC29/6/2022-FCA Section , Dated:05/07/2022.

Madam,

Sub:TSFD – F(C) Act, 1980 – Diversion of 649.3014 ha forest land in Ramavaram RF of Ramavaram Range of Kothagudem forest division for grant of mining lease for VenkateshKhani OCP from Underground rights to Surface rights in Kothagudem Area in Bhadradi Kothagudem District in favour of M/s.SCCL - **Additional information sought by the Gol, MoEF & CC, New Delhi - Furnished-** Regarding.

- Ref:**
1. CCF/CF, Kothagudem Rc.No.117/2020/M3, Dt:01.12.2020.
 2. PCCF(HoFF) Rc.No. 10066/2019/FCA-4, Dt:16.01.2021.
 3. Gol, MoEF & CC, New Delhi F.No. 8-05/2021-FC, Dt. 08.03.2021.
 4. PCCF(HoFF) Rc.No. 10066/2019/FCA-4, Dt:15.03.2021.
 5. General Manager, Kothagudem Area, M/s.SCCL, Bhadradi-Kothagudem district Ref.No.KGM/EST/F/33/265, Dt:10.06.2020.
 6. FDO, Kothagudem Rc.No.631/2019/A5, Dt: 08.06.2021 addressed to DFO, Bhadradi-Kothagudem
 7. FDO, WLM kinnerasani Rc.No.213/2020/K3, Dt. 17.04.2021 addressed to DFO, Bhadradi Kothagudem.
 8. PCCF(HoFF) Rc.No. 10066/2019/FCA-4, Dt:29.06.2021.
 9. General Manager, Environment, M/s.SCCL, Bhadradi Kothagudem district Ref.No.CRP/ENV/A/408A/617, dt:11.10.2021.
 - 10.PCCF(HoFF) Rc.No.10066/2019/FCA-4, Dt:17.11.2021.
 - 11.Director(Planning&Projects), M/s.SCCL, Bhadradi-Kothagudem District Ref No.CRP/EST/C/005/1201, dt:21.12.2021.
 - 12.PCCF Rc.No.10088/2021/FCA-4, Dt:16.01.2022.
 - 13.State govt Lr.No.232/For.I(1)/2021, Dt. 28.01.2022.
 - 14.Director(Operations), M/s.SCCL, Bhadradi-Kothagudem District, Ref No.CRP/EST/C/005/257, dt:04.02.2022.
 - 15.PCCF(HoFF) Rc.No.10088/2021/FCA-4, Dt:21.02.2022.
 - 16.Gol, MoEF & CC, New Delhi F.No.8-05/2021-FC, Dt. 25.02.2022.
 - 17.CF, Karimnagar Rc.No.167/2022/M2, Dated:-06-05-2022.
 - 18.PCCF(HoFF) Rc.No.PCCF-FC4/FC29/6/2022-FCA Section (10088/2021/FCA-4), Dated: 16-05-2022.
 - 19.State govt Lr.No.232/For.I(1)/2021, Dt. 24.05.2022.
 - 20.CF, Kothagudem Rc.No.40/2020/M3, dated 18.06.2022.
 - 21.Gol, MoEF & CC, New Delhi F.No.8-05/2021-FC, Dt. 20.06.2022.
 - 22.Director(Planning&Projects), M/s.SCCL, Bhadradi-Kothagudem District Ref No.CRP/EST/F/117/724, dt:21.06.2022.

23.CF, Karimnagar Rc.No.167/2022/M2 dated 28.06.2022.

Kind attention is invited to the references cited.

Vide reference 22nd cited, the Director (Planning & Projects), M/s.SCCL, Bhadradi-Kothagudem District and Conservators of Forests, Kothagudem and Karimnagar vide ref 20th and 23rd cited respectively have submitted the point-wise reply as desired by the GoI, MoEF & CC, New Delhi in ref 21st cited.

The point-wise information furnished are as follows:

Point-1: The State Government is requested to submit the CA Schemes w.r.to the identified non- forest land of 650.59 ha.

Reply:

Vide ref 23rd cited, the Conservator of Forests, Kothagudem has forwarded the CA scheme prepared by the District Forest Officer, Peddapally for entire 650.59 ha of Non-forest CA land area for a financial outlay of Rs.2663.265Lakhs (Copy enclosed)

Point-2: The State Government is requested to identify the degraded forest land where the remaining trees will be planted and forward the KML files and CA scheme to this Ministry.

Reply:

Vide ref 20th cited, the Conservator of Forests, Kothagudem has forwarded the Compensatory Afforestation scheme prepared by the District Forest Officer, Mahabubabad to an extent of 200.00 ha of forest land for raising balance plants for an amount of Rs.1558.834 Lakhs along with the soil suitability certificates. The .kml files are enclosed in CD.

Point-3: As per the DSS analysis infrastructure pertaining to mining work is present inside the proposed CA site. The software calculated area of the land under infrastructure is approximately 5.50 ha. The State Government may offer its comments in this regard.

Reply:

Vide ref 22nd cited, M/s.SCCL has informed that the out of 650.59 Ha of rehabilitated dumps proposed as CA, an extent of about 5.50 Ha is with the infrastructure like workshops and other repairing sheds. However, while calculating the degraded forest land this extent of 5.5 Ha was also considered and prepared the CA scheme in degraded Forest Land in 200 ha. Further, they informed that while handing over of the said land after getting the Stage-I permission, the SCCL will demolish / dismantle the infrastructure area and do plantation in the next season.

In view of the above, the State Government are requested to submit the information to Gol, MoEF& CC, New Delhi for consideration of this proposal.

Encl: As above

Yours faithfully,

Signed by Rakesh Mohan
Dobriyal
Date: 05-07-2022 11:08:42
Reason: Approved

Sd/ Rakesh Mohan Dobriyal

Prf. Chief Conservator of Forests &
(Head of Forest Force)

Copy to the Conservator of Forests, Karimnagar Circle, Karimnagar, Chief Conservator of Forests, Kothagudem; and the District Forest Officers, Peddapally and Kothagudem.

Copy to Sri Surendra Pandey, IFS (Retd.), Advisor (Forestry), M/s. SCCL, Singareni Bhavan, Red Hills, PB.No.18, Khairatabad(Post), Hyderabad - 500004 for information

Copy to the Chairman and Managing director, M/s SCCL, Red Hills, PB.No.18, Khairatabad PO, Hyderabad -500004 for information.

Copy to the Director (Planning & Projects), M/s.SCCL, Bhadradri-Kothagudem District for information.

W.L.C.B.O.H

D. Subbarao 5/7/22
Superintendent

Above
5/7/22

G. M. M. M.
P. M. M. M.
T. M. M. M.

File No.CFKNR-M2/DM02/4/2022-SUPDT(M2-SEC)

GOVERNMENT OF TELANGANA
 FOREST DEPARTMENT

From
 Sri B.SAIDULU, I.F.S.,
 Conservator of Forests,
 Karimnagar Circle,
 Karimnagar.

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

Rc.No. 167/2022/M2, Dated:- 28/06/2022

Sir,

Sub:TSFD - Forest (Conservation) Act, 1980 - Handing over of
 - Rehabilitated Overburden dumps (in non-forest land) of mines as
 Compensatory land towards new proposals of SCCL for diversion of
 forest land for coal mining, request to accept these lands as CA -
 Report submitted - Minutes of the Meeting held on 07-05-2022 at
 PCCF., Office - Communicated - C.A. Scheme proposals submitted -
 Reg.

Ref: 1) Prl CCF (HoFF) TS Hyd Rc No 10088/2021/FCA-4, dt 10.01.2022.

- 2) C.F., Karimnagar Rc.No. 167/2022/M2, dt. 24-01-2022.
- 3) D.F.O., Peddapally Rc.No. 94/S4/2022, dt. 12-02-2022.
- 4) General Manager, Ramagundam Area-I The SCCL Ref. RG.I/EST/
 CA/K- 474/2022/189, dt. 14-02-2022.
- 5) Director (Operations) The SCCL., Kothagudem Ref.CRP/EST/
 C-005/257, dt. 14-02-2022.
- 6) C.F., Karimnagar Rc.No. 167/2022/M2, dt. 19-02-2022.
- 7) D.F.O., Peddapally Rc.No. 94/S4/2022, dt. 21-02-2022.
- 8) C.F., Karimnagar Rc.No. 167/2022/M2, dt. 23-02-2022.
- 9) D.F.O., Peddapally Rc.No. 94/S4/2022, dt. 05-05-2022.
- 10) C.F., Karimnagar Rc.No. 167/2022/M2, dt. 06-05-2022.
- 11) Prl.CCF., (HoFF), Hyderabad Ref.No. FC4/FC29/4/2022,
 Dt. 11-05-2022.
- 12) D.F.O., Peddapally 94/S4/2022, dt. 27-06-2022.

Adverting to the reference 11th cited, it is submitted that
 instructions has been issued to identify the gaps in the proposed CA area
 of Medipally OB area for planting and to prepare a CA scheme for entire
 650.59 Ha. area for planting, chainlink fencing, inspection path etc.,

It is submitted that the District Forest Officer, Peddapally vide
 reference 12th cited, has submitted C.A. scheme for 650.59 Ha. of non
 forest land proposed by SCCL in Medipally Open Cast Ramagundam falling
 in Peddapally Forest Division, in lieu of diversion of R.F. areas proposed for

File No.CFKNR-M2/DM02/4/2022-SUPDT(M2-SEC)

mining at Venkatesh Khani OCP Project in Kothagudem Circle.

It is submitted that the C.A. scheme proposals in (4) sets are submitted herewith for favour of information and necessary action.

Encl:- C.A. scheme proposals in (4) sets.

Yours faithfully,

Signed by Saidulu Badugu
Conservator of Forests,
Karimnagar Circle, Karimnagar.

Date: 28-06-2022 02:16:38

Reason: Approved

Compensatory Afforestation Scheme for 650.59 Ha of Non forest land (Rehabilitated dump areas of Medipally OCP Ramagundam) of SCCL in lieu of diversion of RF Land for the Venkatesh Khani OCP project in Kothagudem District.

The SCCL identified the non forest rehabilitated overburden dumps for an extent of 650.59 Ha at Medipally Open cast project at Ramagundam as compensation to the CA land for Ventakesh Khani coal mine in Kothagudem District. The details of the CA land as follows.

S. No.	Details of the land	Extent (Ha.)
1.	Plantation completed area in External Dump - I, II, III, internal roads, earthen bund against Godavari river along mine barrier, base workshop and site office.	495.51
2.	Plantation completed 1000 plants / Ha. (less than 2 years of age and less than 10cm girth) in internal dump phase I & II	90.00
3.	Plantation yet to be taken up (Internal dump phase I & II)	65.08
	Total area in Ha.	650.59
4.	Perimeter of the land proposed for CA (in KM)	23.15

495.51 Ha area :-

As per the MoEF& CC, GoI guidelines "Non forest land reclaimed by any User Agency by planting *native species* of a minimum of 1000 trees per Ha and of minimum 10 Cms diameter at breast height can be considered as CA in lieu of Forest land to be diverted without levying planting cost". For estimation of the trees in the planted area of 495.51 Ha, (37) sample plots are laid with 0.1 Ha each. The details of vegetation growth as per sample plot method as follows.

No. of Sample plots of 0.1 Ha	No. of trees with above 10 cms dia				
	Total No. of plants in 37 plots i.e., in 3.7 Ha area	No. of Native trees	Percentage of Native trees	No. of Exotic trees	Percentage of exotic trees
37	4,114	1,061	25.79 %	3053	74.21 %

As per enumeration data of sample plots, it is observed that on an average there are 1,111 number of trees with above 10 Cm diameter per Ha are present in the OB dump areas, but the native species are observed only 1,061 no's in 3.7 Ha area i.e., 25.79% only, remaining are exotic species like Leucaena leucophala, Prosopis juliflora which covers in 74.21% of area.

Further, as per the GoI norms minimum 1,000 native trees per Hectare and above 10 Cms diameter should be considered for CA area for overburden areas. As per the sampling enumeration the native species arrived is 286 nos per Ha. **The no.of native species available in 495.51 Ha is : $495.51 \times 286 = 1,41,716$ nos.** As per the GoI norms there should be native species minimum 4,95,510 for 495.51 Ha @1,000 per Ha. There is a shortfall of **3,53,794** native species plants in 495.51Ha (i.e., $4,95,510 - 1,41,716$).

65.08 Ha Area :-

This is coming in internal dump phase-I & II, no plantation is done in this area. As per the GoI norms minimum 1,000 plants are required to plant in this area i.e., $65.08 \text{ Ha} \times 1,000 = \mathbf{65,080}$ plants to be planted.

Finally,

- Total plants to be planted : $353794 + 65080 = 4,18,874$ No.
- The District Forest Officer, Mahabubabad District has identified Degraded Forest Land and submitted CA Scheme in degraded forest area for 200.00 Ha ($200 \times 1111 = 2,22,200$ No of Plants).
- Balance plants to be planted in Non Forest Land (OB dump areas of SCCL) : $418874 - 222200 = \mathbf{1,96,674}$ No.
- These 1,96,674 Plants are proposed to plant in the following locations.
 - **1,62,700** plants are proposed to be planted in **65.08 Ha** with an espacement of 2mX2m under Labour Intensive Method.
 - **33,974** plants are proposed to be planted in **viable gaps over an area of 495.51Ha** under Labour Intensive Method.

90.00 Ha Area :-

90.00 Ha area is planted by the SCCL having less than (2) years of age and less than 10 Cms diameter in internal dump phase-I & II. The SCCL has stated that, the area is covered with native species and more than 1,000 trees per Ha and it is proposed to take up the replacement of casualties upto 25% and also proposed to take up the maintenance of plantation of 90.00 Ha upto (7) years.

For demarcation of the NFL land boundary pillars have to be fixed for entire area and for effective protection of the land, Chainlink fencing around the entire NFL land has to be erected by the User Agency before handing over the area to the Department. Otherwise the cost of the Chainlink fencing has to be deposited by the User Agency.

OBJECTIVE:

The main objective of the scheme is to keep ecological balance of the area by protecting the existing vegetation, protection of area from further degradation, checking of soil erosion, improvement soil and moisture conservation, by way of Planting under LI Method, carrying out certain SMC works and protection of area from biotic pressure by providing See through wall / Chainlink mesh around the non forest area.

TECHNIQUE:**Planting under Labour Intensive Method:**

Planting under Labour Intensive Method is proposed in the viable gaps (13.59Ha) over an area of 490.51 Ha with an espacement of 2mX2m in Part-I, Maintenance of already raised plantations by SCCL in 90.00 Ha @ 1,111 plants per Ha in Part-II and Planting in 65.08 Ha @ 2,500 plants per Ha (espacement of 2mX2m) in Part-III.

PROJECT PERIOD:

It is proposed to implement the scheme from 2022-23 to 2031-32 over a period of (10) years including Nurseries, advance operations, Raising and maintenance. The total financial outlay is **Rs. 2663.265 lakhs.**

FUNDING AGENCY:

The total financial outlay will be met by the User Agency who will deposit the funds with Forest Department i.e., in favour of the Adhoc CAMPA Account.

EXECUTIVE AGENCY:

The District Forest Officer, Peddapally will be the implementing agency for this Compensatory Afforestation Scheme.


PROJECT PROPOSALS:


The total financial outlay is **Rs. 2663.265 Lakhs**. The Abstract annual financial outlay is as follows.

S.No	Year	Total amount (Rs. In lakhs)
1	2022-23	1122.462
2	2023-24	555.480
3	2024-25	409.759
4	2025-26	168.156
5	2026-27	100.086
6	2027-28	80.883
7	2028-29	71.051
8	2029-30	69.444
9	2030-31	41.810
10	2031-32	44.133
	TOTAL	2663.265

The component wise, year wise Physical and Financial targets of proposed scheme are furnished in the statement enclosed.

NOTE: Rates proposed are with 10% raise over FSR 2022-23.


Conservator of Forests
 Karimnagar Circle, Karimnagar.


 District Forest Officer,
 Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

Year wise detailed Abstract of Compensatory Afforestation Scheme for 650.59 Ha in Non-Forest Land (NFL)-Overburden Dumping areas of SCCL in Peddapally District

Sl. No	Item of Work	Unit	Unit Cost 2022-23 (Rs.)	2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	7	8	10	11	13	14	16	17	19	20	22	23	25
I	Raising of Plants in Nurseries & their Maintenance, Procurement of Plants																
1A	PART-I : 34000 X (20% + 25% + 5% = 50%) 50%=17000 + 34000 = 51000 (495.51 Ha)																
1	Raising of Primary beds	Plant	1.0941	51000	0.558												
2	Raising of Bag Plants of 6"x8"	Plant	30.3989	51000	15.503												
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	54.7454			51000	30.712										
4	Maintenance of Bag Plants of 9"x11" (April to August)	Plant	29.9809					51000	18.348								
	Sub Total:				16.061		30.712		18.348		0.000		0.000		0.000		0.000
1B	PART-II: COST OF PLANTS : 99990 X 25% = 24997 (OR) 25000 plants (90.00 Ha x 1111per Ha)	Plant	100			25000	25.000										
	Sub Total:					25000	25.000	0	0	0	0	0	0	0	0	0	0
1C	PART-III: 162700X(20%+25%+5%= 50%) 50%=81350+162700=244050(65.08 Hax2500 Nos per Ha)																
1	Raising of Primary beds	Plant	1.0941	244050	2.670												
2	Raising of Bag Plants of 6"x8"	Plant	30.3989	244050	74.189												
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	54.7454			244050	146.967										
4	Maintenance of Bag Plants of 9"x11" (April to August)	Plant	29.9809					244050	87.802								
5	Drilling of Borewells with accessories for Nursery and maintenance of Plantations	each	500000	3	15.000												
6	Establishment of Central Nursery & Nursery Infrastructure	each	3000000	1	30.000												
	Sub Total:				121.859		146.967		87.802		0.000		0.000		0.000		0.000
II	Raising and Maintenance of Plantations																
2A	Part-I: Planting activities in NFL(34000 Nos in Viable Gaps of 495.51 Ha @ 2mX2m spacing=13.60Ha)																
1	Advance Operations	Ha	33000			13.60	13.380										
2	Raising of Plantation	Ha	90661					13.60	28.80								
3	1st Year Maintenance	Ha	60115							13.60	21.908						
4	2nd Year Maintenance	Ha	30350									13.60	10.865				
5	3rd Year Maintenance	Ha	19786											13.60	7.949		
6	4th Year Maintenance	Ha	18264													13.60	8.058
7	5th Year Maintenance	Ha	18182														
8	6th Year Maintenance	Ha	8038														
9	7th Year Maintenance	Ha	8038														
	Sub Total:				0.000		13.380		28.803		21.908		10.865		7.949		8.058
2B	Part-II : Maintenance of plantations in 90.00 Ha in NFL which are Raised by SCCL:: ESP 3mX3m																
1	1st Year Maintenance	Ha	60115			90.00	64.894										
2	2nd Year Maintenance	Ha	30350					90.00	36.724								
3	3rd Year Maintenance	Ha	19786							90.00	26.123						
4	4th Year Maintenance	Ha	18264									90.00	28.132				
5	5th Year Maintenance	Ha	18182											90.00	27.542		
6	6th Year Maintenance	Ha	8038													90.00	17.975
7	7th Year Maintenance	Ha	8038														
	Sub Total:				0.000		64.894		36.724		26.123		28.132		27.542		17.975

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

Sl. No	Item of Work	Unit	Unit Cost 2022-23 (Rs.)	2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
2C	Part-III: Planting activities in NFL(LIM::: ESP 2mX2m in 65.08 Hax2500 Nos per Ha)																
1	Advance Operations	Ha	74913														
2	Raising of Plantation	Ha	162891			65.08	64.029										
3	1st Year Maintenance	Ha	113100					65.08	137.831								
4	2nd Year Maintenance	Ha	49565							65.08	104.838						
5	3rd Year Maintenance	Ha	33652									65.08	51.990				
6	4th Year Maintenance	Ha	25170											65.08	38.039		
7	5th Year Maintenance	Ha	28614													65.08	38.559
8	6th Year Maintenance	Ha	18088														
9	7th Year Maintenance	Ha	18088														
	Sub Total:				0.000		64.029		137.831		104.838		51.990		38.039		38.559
	TOTAL (Nursery +Plantations)				137.920		344.982		309.508		152.869		90.987		73.530		64.592
V	SMC Works:20% on Works cost (Const. of Checkdams, Checkwall, Rock Fill Dams etc.,)																
	Sub Total:				100.000		100.000		63.000								
VI	Protection activities																
1	Construction of See through wall / Chainlink mesh along boundaries	Km	3000000	23.00	690.000		0.000										
2	Creation of pathways in dump areas to access the planting areas	Km	300000	10.00	30.000	10.00	30.000										
3	Construction RCC Boundary pillars	Nos	12500	500	62.500		0.000										
4	RCC watch towers (2) No's in dumping areas	each	1500000			2.00	30.000										
	Sub Total:				782.500		60.000		0.000		0.000		0.000		0.000		0.000
	TOTAL				1020.420		504.982		372.508		152.869		90.987		73.530		64.592
VII	Administrative Cost - 10%																
	TOTAL				102.042		50.498		37.251		15.287		9.099		7.353		6.459
	Total year wise outlay of the project				1122.462		555.480		409.759		168.156		100.086		80.883		71.051

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

Rs in lakhs

Sl. No	Item of Work	Unit	Unit Cost 2022-23 (Rs.)	2029-30		2030-31		2031-32		Grand Total	
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	26	28	29	31	32	34	44	45
I	Raising of Plants in Nurseries & their Maintenance, Procurement of Plants										
1A	PART-I : 34000 X (20% + 25% + 5% = 50%) 50%=17000 + 34000 = 51000 (495.51 Ha)										
1	Raising of Primary beds	Plant	1.0941							51000	0.558
2	Raising of Bag Plants of 6"x8"	Plant	30.3989							51000	15.503
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	54.7454							51000	30.712
4	Maintenance of Bag Plants of 9"x11" (April to August)	Plant	29.9809							51000	18.348
	Sub Total:				0.000		0.000		0.000	0	65.122
1B	PART-II: COST OF PLANTS : 99990 X 25% = 24997 (OR) 25000 plants (90.00 Ha x 1111per Ha)	Plant	100							25000	25.000
	Sub Total:			0	0	0	0	0	0	25000	25.000
1C	PART-III: 162700X(20%+25%+5%= 50%) 50%=81350+162700=244050(65.08 Hax2500 Nos per Ha)										
1	Raising of Primary beds	Plant	1.0941							244050	2.670
2	Raising of Bag Plants of 6"x8"	Plant	30.3989							244050	74.189
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	54.7454							244050	146.967
4	Maintenance of Bag Plants of 9"x11" (April to August)	Plant	29.9809							244050	87.802
5	Drilling of Borewells with accessories for Nursery and maintenance of Plantations	each	500000							3	15.000
6	Establishment of Central Nursery & Nursery Infrastructure	each	3000000							1	30.000
	Sub Total:				0.000		0.000		0.000		356.628
II	Raising and Maintenance of Plantations										
2A	Part-I: Planting activities in NFL(34000 Nos in Viable Gaps of 495.51 Ha @ 2mX2 spacing=13.60Ha)										
1	Advance Operations	Ha	33000							13.60	13.380
2	Raising of Plantation	Ha	90661							13.60	28.803
3	1st Year Maintenance	Ha	60115							13.60	21.908
4	2nd Year Maintenance	Ha	30350							13.60	10.865
5	3rd Year Maintenance	Ha	19786							13.60	7.949
6	4th Year Maintenance	Ha	18264							13.60	8.058
7	5th Year Maintenance	Ha	18182	13.60	7.611					13.60	7.611
8	6th Year Maintenance	Ha	8038			13.60	6.570			13.60	6.570
9	7th Year Maintenance	Ha	8038					13.60	6.935	13.60	6.935
	Sub Total:				7.611		6.570		6.935		112.079
2B	Part-II : Maintenance of plantations in 90.00 Ha in NFL which are Raised by SCCI										
1	1st Year Maintenance	Ha	60115							90	64.894
2	2nd Year Maintenance	Ha	30350							90	36.724
3	3rd Year Maintenance	Ha	19786							90	26.123
4	4th Year Maintenance	Ha	18264							90	28.132
5	5th Year Maintenance	Ha	18182							90	27.542
6	6th Year Maintenance	Ha	8038							90	17.975
7	7th Year Maintenance	Ha	8038	90.00	19.098					90	19.098
	Sub Total:				19.098		0.000		0.000		220.488

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

Sl. No	Item of Work	Unit	Unit Cost 2022-23 (Rs.)	2029-30		2030-31		2031-32		Grand Total	
				Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
2C	Part-III: Planting activities in NFL(LIM::: ESP 2mX2m in 65.08 Hax2500 Nos per H										
1	Advance Operations	Ha	74913							65	64.029
2	Raising of Plantation	Ha	162891							65	137.831
3	1st Year Maintenance	Ha	113100							65	104.838
4	2nd Year Maintenance	Ha	49565							65	51.990
5	3rd Year Maintenance	Ha	33652							65	38.039
6	4th Year Maintenance	Ha	25170							65	38.559
7	5th Year Maintenance	Ha	28614	65.08	36.422					65	36.422
8	6th Year Maintenance	Ha	18088			65.08	31.439			65	31.439
9	7th Year Maintenance	Ha	18088					65.08	33.186	65	33.186
	Sub Total:				36.422		31.439		33.186		536.332
	TOTAL (Nursery +Plantations)				63.131		38.009		40.121		1315.650
V	SMC Works:20% on Works cost (Const. of Checkdams, Checkwall, Rock Fill Dams etc.,)										
	Sub Total:				0.000		0.000		0.000		263.000
VI	Protection activities										
1	Construction of See through wall / Chainlink mesh along boundaries	Km	3000000							23	690.000
2	Creation of pathways in dump areas to access the planting areas	Km	300000							20	60.000
3	Construction RCC Boundary pillars	Nos	12500							500	62.500
4	RCC watch towers (2) No's in dumping areas	each	1500000							2	30.000
	Sub Total:										842.500
	TOTAL				63.131		38.009		40.121		2421.150
VII	Administrative Cost - 10%										
	Total year wise outlay of the project				69.444		41.810		44.133		2663.265

District Forest Officer
Peddapally

(Signature)
Conservator of Forests
Karimnagar Circle, Karimnagar

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

UNIT COST FOR RAISING OF PRIMARY BEDS

Sl. No.	FSR-2022-23 Code	Item of work	Unit	FSR Rate (Rs.)	MAA 20% (Rs)	Total Rate (Rs.)	Amount (Rs.)
1	01.00.00	PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium.					0
2	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	Bed	5.73	1.43	7.16	7.16
3	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	Bed	44.16	11.04	55.20	55.20
4	01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	Bed	33.40	8.35	41.75	41.75
5	01.01.05	For every extra km beyond 5 km upto 25 km	Bed	27.80	6.95	34.75	34.75
6	01.01.06	Cost and transport of 0.025 cum FYM	Bed	28.71	0.00	28.71	28.71
7	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and levelling.	Bed	12.56	3.14	15.70	15.70
8	01.01.08	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	Bed	14.35	3.59	17.94	17.94
10	01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds	Bed	750.00	0.00	750.00	750.00
11	01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and broadcasted - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm with paddy hay including cost and conveyance	Bed	14.30	3.58	17.88	17.88
12	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	30 Days	16.09	4.02	20.11	20.11
13	01.01.15	Cost of chemicals, fungicide and insecticide	Bed	500.00	0.00	500.00	500.00
14		Electrical Charges		500.00	0.00	500.00	500.00
		Total					1989.20
		Rasing of seedlings 110% for obtaining 100%				10%	198.92
		Total					2,188.12
		cost of each plant (2000 plants per bed) - 2022-23					1.094

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA


UNIT COST FOR BAG PLANT NURSERY (6"x8" size bags)

Sl. No.	FSR-2022-23 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	MAA 20% (Rs)	Total (Rs)	
		BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in June - July. Hence the bags are to be filled during April-May when the soil is dry.(6"x8" size per bed 1100 bags)							
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary beds (Bed size: 10 X 1 M).							
1	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	Bed	1	57.42	1	14.36	71.78	71.78
		Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.							
2	01.03.03	15 cm x 20 cm (6" x 8") size bags of 250 g:	Kg	4.40	165.00	1	0.00	165.00	726.00
	01.03.04	Cost and Transport of ingredients for Potting Mixture: (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.							
	01.03.05	Distance upto 5 km							
3	c	15 cm x 20 cm (6" x 8") size bags: 1100 bags / bed	No's	1100	584.31	1000		584.31	642.74
	01.03.06	For every extra km beyond 5 km upto 25 km							
4	a	15 cm x 20 cm (6" x 8") = 1.433 cum vol. for 1000 bags	No's	1100	319.00	1000		319.00	350.90
5	01.03.07	Cost of chemicals (Thimmet)	No's						5000.00
	01.03.08	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.							
6	c	15 cm x 20 cm (6" x 8") size bags: 1100 bags / bed	No's	1100	1155.83	1000	288.96	1444.79	1589.27
6	01.03.09	Allignment of beds including allignment of inspection paths etc	Bed	1	8.80	1	2.20	11.00	11.00
7	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	No's	1100	162.88	1000	40.72	203.60	223.96
8	01.03.11	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	No's	1100	96.89	1000	24.22	121.11	133.22
9	01.03.12	Watering the plants (6 Months) twice a day from Oct-March - a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	12	316.15	1	79.04	395.19	4742.25
10	01.03.13	Weeding to be done for every 2 months from the date of transplantation up to March	Bed	4	58.05	1	14.51	72.56	290.25
11	01.03.14	1st shifting and grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted	Bed	3	271.17	1	67.79	338.96	1016.89
12	01.03.15	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	Bed	1	76.98	1	19.25	96.23	96.23

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Sl. No.	FSR-2022-23 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	MAA 20% (Rs)	Total (Rs)	
13	01.03.16	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.	Bed	1	5000.00	1	0.00	5000.00	5000.00
14	01.03.18	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	2	39.59	1	9.90	49.49	98.98
15	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	10137.32	100	0.00	10137.32	405.49
16		Application of fertilizers (Neem Cake)							5000.00
17		Electricity charges					0.00	5000.00	5000.00
		Total							30398.95
17		Add casualty 10%							3039.89
		2022-23 Grand Total							33438.84
		cost of each plant (1100 plants per bed)							30.40

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

UNIT COST FOR CONVERSION FROM 6"x8" to 9" x 11"

Sl. No.	FSR-2022-23 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	MAA 20% (Rs)	Total (Rs)	
		CONVERSION of Root Trainer plants or 4"x7" or 5"x9" or 6"x8" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).							
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.							
	01.03.21	Transportation of soil mixture ingredients							
		Distance up to 5 km							
1	h	6" x 8" to 9" x 11" polybags (4.717 - 1.433 = 3.284 cum)	No	500	1378.45	1000	0.00	1378.45	689.23
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance							
2	j	6" x 8" to 9" x 11" polybags (4.717 - 1.433 = 3.284 cum)	No	500	730.00	1000	0.00	730.00	365.00
	01.03.24	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)							
3	h	6" x 8" to 9" x 11" polybags (4.717 - 1.433 = 3.284 cum)	No	500	2387.22	1000	596.81	2984.03	1492.01
	01.03.31	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; 500 no. of 9"x12" and 400 no. of 10"x16" bags) from April - March: 4 weedings							
4		Weeding the plants (4 weedings)	Bed	4	58.05	1	14.51	72.56	290.25
5	01.03.30	Stakes to be provided to plants in 8"x12", 9"x11", 10"x16" and 12"x13" bags with a minimum 1.50 mtr height	Bed	500	5512.50	1000	0.00	5512.50	2756.25
6	01.03.32	Shifting, Grading and rearranging in secondary beds	Bed	3	271.17	1	67.79	338.96	1016.89
	01.03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.							
7	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe from April to March	Bed	12	316.21	1	79.05	395.26	4743.15
	01.03.34	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.							5000.00
8	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	12	10137.32	100	0.00	10137.32	1216.48
9		Cost of the ploythene bags							3500.00
10	01.03.39	Electricity charges							5000.00
		Total							26069.25
10	01.03.38	Contingencies @ 5%							1303.463
		2022-23 Total for 500 plants							27372.72
		cost of each plant							54.7454

10% escalation every year

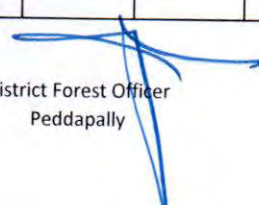
District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August)

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs.)	Per	MAA 20% (Rs)	Total (Rs.)	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)							
	01.04.01	Watering polybag secondary beds twice a day for 4 months							
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	316.14	1	79.04	395.18	1580.70
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	58.05	1	14.51	72.56	72.56
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	271.17	1	67.79	338.96	677.93
4	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	5000.00	1	0.00	5000.00	5000.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)							
5	a	Cost and transportation of fresh cowdung	As per actuals	1	1500.00	1	0.00	1500.00	1500.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	31.95	1	7.99	39.94	39.94
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	10137.32	100	0.00	10137.32	405.49
8	01.04.09	Electricity charges			5000.00		0.00	5000.00	5000.00
		Total							14276.62
9	01.04.08	Contingencies @ 5%							713.83
		2022-23 Total							14990.45
		cost of each plant (500 Plants per bed)							29.9809

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

UNIT COST: 1.00 Ha

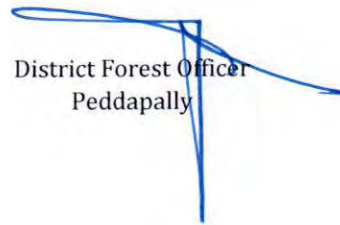
Unit Cost for Advance Operations for Raising of LIM Plantation

ESPACEMENT 2mX2m

Unit Rate per Ha

FSR Code	Item of work	Qty	Total Rate	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
02.01.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	412.87	Plantation	413	496
02.01.02	Clearing unsalable unwanted jungle growth: (c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	1	8103.38	Ha	8103	9724
02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to site	2500	62.80	100	1570	1570
02.01.05	Alignment & Stakin including demarcation of baseline:(B) 2X2 m espacement = 2500 planting points	2500	75.77	100	1894	2273
02.01.07	Digging of pits:(a) Ordinary Soil :ii) 45 cm3 pits	2500	24.89	Pit	62225	74670
	Misc Exp				708	708
	Unit Rate for 2022-23				74913	89440

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

UNIT COST: 1.00 Ha
Unit Cost for Raising of LIM Plantation

ESPACEMENT 2mX2m

Code	Item of work	Qty	Rate	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	3	4	5	6	7
02.02.00	a) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height) which includes cost of stake, coaltar application at the bottom of the stake (30 cm), transportation, fixing and tying.	2500	1323.00	100	33075	33075
02.02.01	a). Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km:(d) 23 X 28 cm (9"X11") bag plants	2500	294.83	100	7371	7371
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance: (d) 23 X 28 cm (9"X11") bag plants	2500	207.20	100	5180	5180
02.02.04	Internal transportation to planting points on head loads:(d) 23 X 28 cm (9"X11") bag plants	2500	181.73	100	4543	5452
02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. ii) Similarly, the bag plants to be planted will be dipped inside Chloropyriphos solution (5ml Chloropyriohos in 1 lit water) either at nursery site before transport or at plantation site before planting	2500	43.29	100	1082	1299
02.02.06	Cost of SSP, Chloridine dust or Chloropyriphos	2500	As per actuals		5000	5000
02.02.07	Planting in various size pits: b) Planting in 45 cm3 Pit	2500	482.33	100	12058	14470
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell					
	a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	2500	292.02	100	7301	7301
	b) 2nd watering if dry spell is more than 5-6 days after first watering on the day of planting with the prior written permission of Circle Head.- 3 waterings	7500	292.02	100	21902	21902
02.02.10	Replacement of Casualties: 20% during Raising Year. (In case of Eucalyptus: 10% during raising and no casualty replacement for further maintenance). The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. (2500X20%=500 Nos)		50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during raising year			
02.01.07	Digging of pits:(a) Ordinary Soil :ii) 45 cm3 pits	500	9.96	pit	4978	5973
02.02.07	Planting in various size pits: b) Planting in 45 cm3 Pit	500	482.33	100	2412	2894
02.02.01	a). Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km:(d) 23 X 28 cm (9"X11") bag plants	500	294.83	100	1474	1474
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance: (d) 23 X 28 cm (9"X11") bag plants	500	207.20	100	1036	1036
02.02.04	Internal transportation to planting points on head loads:(d) 23 X 28 cm (9"X11") bag plants	500	181.73	100	909	1090
02.02.11	Cost of DAP @ 25 gm / planting point	2500	As per actuals		5000	5000
02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	2500	43.29	100	1082	1299
02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting;3 times	7500	137.76	100	10332	12398

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

Code	Item of work	Qty	Rate	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	3	4	5	6	7
02.02.14	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.02.15	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.02.16	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)	1	1613.26	Ha	1613	1936
02.02.17	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	2500	137.00	100	3425	4110
02.02.22	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before September-end at any cost before inter-ploughing. (Already deducted un workable area)	1	4025.12	Ha	4025	4830
02.02.19	Enumeration of row-wise survival and average growth twicw in raising year - Number of plants planted and Number surviving (to be undertaken during May & Dec.) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 1.5 m at the end of raising year.			To be done by the staff (plantation-in-charge) with the help of Plantation Watcher		
02.02.20	Contingencies provision for Raising of plantaitons:					
	i) Fixing of Plantation Boards and Corner Stones (4 locations)	1	2000	Ha	2000	2000
	ii) Contingencies and Miscellaneous	1	10137.32	Ha	1000	1000
02.02.21	Cost of Protection:(b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month		PM	4562	4562
	Unit Rate for 2022 -23				162891	176489

10% escalation every year

District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

UNIT COST: 1.00 Ha

Unit Cost for 1st year maintenance of LIM Plantation

2500x25%=625 Nos

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Municipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.03.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - 25 % proposed				Pitting,planting,transportation and internal transportation same as	
02.01.07	Digging of pits:(a) Ordinary Soil :ii) 45 cm ³ pits	625	19.910	Pit	12444	14933
02.02.01	a). Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km:(d) 23 X 28 cm (9"X11") bag plants	625	294.83	100	1843	1843
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance:(d) 23 X 28 cm (9"X11") bag plants	625	207.20	100	1295	1295
02.02.04	Internal transportation to planting points on head loads:(d) 23 X 28 cm (9"X11") bag plants	625	181.73	100	1136	1363
02.02.07	Planting in various size pits: b) Planting in 45 cm ³ Pit	625	482.33	100	3015	3617
02.02.09	b).Watering to plants in Non-Rainy days : 6 waterings	15000	292.02	100	43803	43803
02.03.02	Cost of DAP @ 25 gm / planting point	2500	As per actuals		5000	5000
02.03.03	Weeding and saucer formation to a radius of 0.50 mts around the plant in entire plantation - 2 times	5000	137.76	100	6888	8266
02.03.04	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.03.05	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.03.06	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)	1	1613.26	Ha	1613	1936
02.10.05	Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	1	4025.12	Ha	4025	4830
02.03.07	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October.	2500	137.00	100	3425	4110
02.03.08	Enumeration of row-wise survival and average growth thrice in 1st MAINTENANCE year - Number of plants planted and number surviving (to be undertaken during May and Dec.) to be ascertained and entered in Plantation Journal. With so				To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
02.03.09	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.03.10	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022 -23				113100	123916

District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

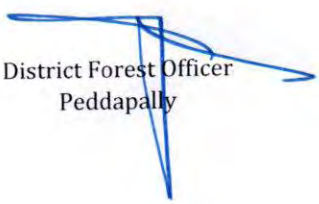
UNIT COST: 1.00 Ha

Unit Cost for 2nd year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.04.01	Cost of DAP @ 25 gm / planting point	1111	As per actuals		5000	5000
02.04.02	Weeding and saucer formation to a radius of 0.50 mts around the plant in entire plantation - 2 times	2222	137.76	100	3061	3673
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100	1531	1837
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	1111	723.51	100	8038	9646
02.03.06	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)	1	1613.26	Ha	1613	1936
02.10.05	Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	1	4025.12	Ha	4025	4830
02.04.06	Enumeration of row-wise survival and average growth thrice in 1st MAINTENANCE year - Number of plants planted and number surviving (to be undertaken during May and Dec.) to be ascertained and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indogenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.75 - 2 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher			0	0
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022-23				30350	34004

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

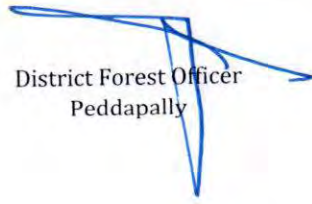
UNIT COST: 1.00 Ha

Unit Cost for 2nd year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.04.01	Cost of DAP @ 25 gm / planting point	2500	As per actuals		5000	5000
02.04.02	Weeding and saucer formation to a radius of 0.50 mts around the plant in entire plantation - 2 times	5000	137.76	100	6888	8266
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July -	1	1613.26	Ha	1613	1936
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October.	2500	137.00	100	3425	4110
02.10.05	Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	1	4025.12	Ha	4025	4830
02.04.06	Enumeration of row-wise survival and average growth thrice in 1st MAINTENANCE year - Number of plants planted and number surviving (to be undertaken during May and Dec.) to be ascertained and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indogenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.75 - 2 m at the end of 1st year maintenance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
Unit Rate for 2022-23					49565	57062

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

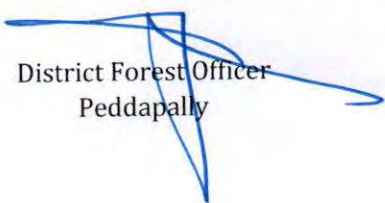
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Unit Cost for 3rd year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.03.07	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October.	1111	137.00	100	1522	1826
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100	1531	1837
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	1111	723.51	100	8038	9646
02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)	1	1613.26	Ha	1613	1936
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022 -23				19786	22327

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

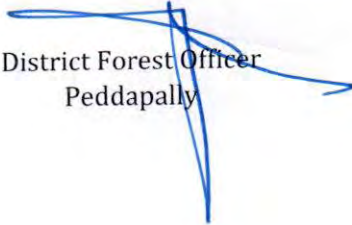
UNIT COST: 1.00 Ha

Unit Cost for 3rd year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Municipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October.	2500	137.00	100	3425	4110
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)	1	1613.26	Ha	1613	1936
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022 -23				33652	38966

10% escalation every year



District Forest Officer
Peddapally

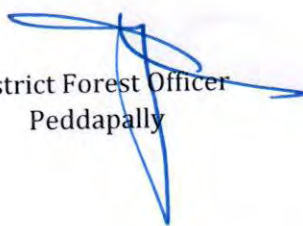
UNIT COST: 1.00 Ha

Unit Cost for 4th year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October.	1111	137.00	100	1522	1826
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100	1531	1837
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	1111	723.51	100	8038	9646
02.04.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)	1	1613.26	Ha	1613	1936
02.04.07	Contingencies provision for Raising of plantaitons:					0
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022 -23				18264	22327

10% escalation every year



District Forest Officer
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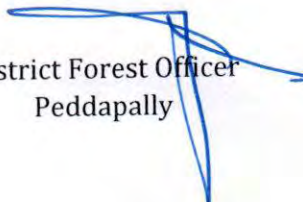
UNIT COST: 1.00 Ha

Unit Cost for 4th year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October.	2500	137.00	100	3425	4110
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022 -23				25170	37030

10% escalation every year



District Forest Officer
Peddapally

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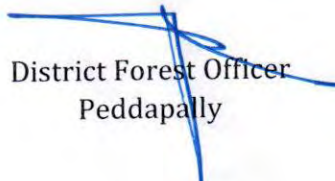
UNIT COST: 1.00 Ha

Unit Cost for 5th year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100	1531	1837
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100	1531	1837
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	1111	723.51	100	8038	9646
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022 -23				18182	20401

10% escalation every year



District Forest Officer
Peddapally

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

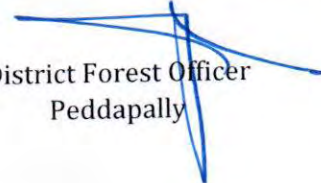
UNIT COST: 1.00 Ha

Unit Cost for 5th year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Municipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
02.04.08	Cost of Protection: (b) For unfenced area: One Casual labour is allowed for plantation more than or equal to 10.00 ha but less than 20.00 ha and one more Casual labour is permitted for every multiples of 20.00 ha.	per person per month	10137.32	PM	6082	6082
	Unit Rate for 2022 -23				28614	32920

10% escalation every year



District Forest Officer
Peddapally

UNIT COST: 1.00 Ha
Unit Cost for 6th year maintenance of LIM Plantation

FSR Code	Item of work	Unit Rate per Ha					Amount including Muncipal allowance i.e.20% (Rs)
		Qty	Rate (Rs.)	Per	Amount (Rs.)		
1	2	4	5	6	7	8	
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100	1531	1837	
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	1111	723.51	100	8038	9646	
02.04.07	Contingencies provision for Raising of plantaitons:						
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000	
	Unit Rate for 2022 -23				8038	12482	

10% escalation every year

District Forest Officer
 Peddapally

UNIT COST: 1.00 Ha
Unit Cost for 6th year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
	Unit Rate for 2022 -23				18088	26838

10% escalation every year

District Forest Officer
 Peddapally

COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR RAISING OF 200.00 Ha., CA PLANTATION IN KOTHAGUDA & GANGARAM RANGES IN LIEU OF DIVERSION OF 649.3014 HA. OF FOREST LAND FOR FOR DIVERSION OF VENKATESHKHANI OCP FROM UNDERGROUND RIGHTS TO SURFACE RIGHTS IN BHADRADRI KOTHAGUDEM DISTRICT IN FAVOUR OF M/s. SINGARENI COLLERIES COMPANY LIMITED IN GUDURU (W.L.M.) DIVISION.

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I. INTRODUCTION:

The Principal Chief Conservator of Forests (HoFF), Telangana State, Hyderabad has forwarded the proposals for submission of Compensatory Afforestation Scheme in lieu of diversion of 649.3014 Ha. of forest land for diversion of Venkateshkhanani OCP from Underground Rights to Surface Rights in Bhadradri Kothagudem District in favour of M/s. Singareni Collieries Company Limited, General Manager, Yellandu Area, Bhadradri Kothagudem District in Guduru (WLM) Division and the following degraded forest areas and certified the suitability. The details are as follows.

Sl. No.	Range	Bit No.	Beat	Section	Block	Compt. No.	Net area available
1	Gangaram	1	Mamidiguda (N)	Mamidiguda	Chinthaguda	921	38.780
2	Gangaram	2	Mamidiguda (N)	Mamidiguda	Chinthaguda	920	42.540
3	Gangaram	3	Mamidiguda (W)	Mamidiguda	Chinthaguda	922	40.210
4	Gangaram	4	Jangalapally (E)	Komatlaguda	Chinthaguda	915	37.670
5	Kothaguda	5	Rangappaguda	Ponugondla	Pakhal	698	3.287
6	Kothaguda	6	Rangappaguda	Ponugondla	Pakhal	698	1.009
7	Kothaguda	7	Rangappaguda	Ponugondla	Pakhal	762	3.148
8	Kothaguda	8	Rangappaguda	Ponugondla	Pakhal	762	1.080
9	Kothaguda	9	Rangappaguda	Ponugondla	Pakhal	762	7.975
10	Kothaguda	10	Musmi	Pogallapally	Pakhal	699	14.820
11	Kothaguda	11	Musmi	Pogallapally	Pakhal	699	4.069
12	Kothaguda	12	Karlai (N)	Karlai	Gudur	1019	26.060
13	Kothaguda	13	Karlai (N)	Karlai	Gudur	1020	2.285
						Total :	222.933

In lieu of diversion of Forest land over an extent 649.3014 Ha. of forest land for for diversion of Venkateshkhanani OCP from Underground Rights to Surface Rights in Bhadradri Kothagudem District, an extent of 200.00 Ha. is proposed for treatment and improvement in Kothaguda & Gangaram Ranges of Guduru (W.L.M.) Division.

The degraded forest area where the growth is less than 0.4 density is proposed for treatment under Afforestation Scheme including Raising of plantations, Soil and Moisture Conservation works and Reserve Forest Boundary Demarcation.

Certain degraded areas, comprise of Barren Hillocks are proposed for Raising of Barren Hill Afforestation plantations. Digging of Continuous Peripheral Trench all along the boundary of the degraded forest block area and other protective operations are proposed to be taken up with a twin objective of moisture conservation, improvement of existing growth and boundary demarcation. Scheme is prepared with an outlay of **Rs.1558.834 Lakhs** for development of Degraded Forest area.

Accordingly, an Action Plan for raising of Compensatory Afforestation plantations in degraded forest areas of Compartment Nos.698, 699, 1019,1020, 762, 915, 920, 921 & 922 of Pakhal, Chintaguda & Gudur Reserve Forests, Kothaguda & Gangaram Ranges of Guduru (W.L.M.) Division is Prepared with an outlay of **Rs. 1558.834 Lakhs** for raising miscellaneous Plantations and related activities.

PROJECT COST :

The total financial out lay of the project is as follows:

S.No	Scheme Proposals	Cost in Lakhs
1	Afforestation Works	1051.729
2	Soil and Moisture Conservation Plan	67.530
3	Protection Measures	219.395
4	Publicity and Awareness	108.472
5	Nursery Infrastructure	30.000
6	Out Sourcing of Technical Expert / Computer Operator	24.300
7	Administrative Cost @ 5%	57.408
	Total:	1558.834

LOCATION OF THE AREA PROPOSED FOR COMPENSATORY AFFORESTATION IN DEGRADED FOREST AREA:

A: The Compensatory Afforestation Scheme is aimed at improvement of the density and ultimately quality of Forests. With this in mind, degraded Forest area of Compartment Nos.698, 699, 1019,1020, 762, 915, 920, 921 & 922 of Pakhal ,Chintaguda and Gudur Reserve Forests, Kothaguda & Gangaram Ranges of Guduru (W.L.M.) Division is proposed for treatment. In general the above Compartment is having good degraded and coppice natural growth of Billudu, Nalla Maddi, Vepa, Tuniki, Chennangi, Kodisa, Tirumanu, etc., Natural regeneration is taking place but due to continuous biotic pressure on the land and fire it is not getting established.

It is proposed to stabilize such growth. Suitable areas were identified for treatment with appropriate interventions as the area has become degraded due to excessive biotic interference. The excess biotic interference has disturbed the ecological cycle as all the Bio-diversity including fauna and flora have been damaged to a great extent. There is every need to rehabilitate and protect the environment for the sake of Bio-diversity. Number of cattle enters into the Forests from nearby villages for grazing and uncontrolled removal of fuel wood and poles for household purposes.

LEGAL STATUS OF THE PROPOSED CA AREA:

The proposed CA areas in Compartment Nos.698, 699, 1019,1020, 762, 915, 920, 921 & 922 of Pakhal, Chintaguda and Gudur Reserve Forests, Kothaguda & Gangaram Ranges of Guduru (W.L.M.) Division is notified Under Section 15 of Andhra Pradesh Forest Act, 1967 vide G.O.Ms. No.668, dt:08.07.1355F of Chintaguda Reserve Forest, Under Section 15 of Andhra Pradesh Forest Act, 1967 vide G.O.Ms.No.1711, dt:18.09.1969 and Under Section 4 of Andhra Pradesh Forest Act, 1967 vide G.O.Ms.No.84, dt:08.09.1354F respectively.

The compartment wise areas are as follows:

COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR RAISING OF 200.00 Ha., CA PLANTATION IN KOTHAGUDA & GANGARAM RANGES IN LIEU OF DIVERSION OF 649.3014 HA. OF FOREST LAND FOR FOR DIVERSION OF VENKATESHKHANI OCP FROM UNDERGROUND RIGHTS TO SURFACE RIGHTS IN BHADRADRI KOTHAGUDEM DISTRICT IN FAVOUR OF M/s. SINGARENI COLLERIES COMPANY LIMITED IN GUDURU (W.L.M.) DIVISION.

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It is proposed to stabilize such growth. Suitable areas were identified for treatment with appropriate interventions as the area has become degraded due to excessive biotic interference. The excess biotic interference has disturbed the ecological cycle as all the Bio-diversity including fauna and flora have been damaged to a great extent. There is every need to rehabilitate and protect the environment for the sake of Bio-diversity. Number of cattle enters into the Forests from nearby villages for grazing and uncontrolled removal of fuel wood and poles for household purposes.

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The proposed CA areas in Compartment Nos.698, 699, 1019,1020, 762, 915, 920, 921 & 922 of Pakhal, Chintaguda and Gudur Reserve Forests, Kothaguda & Gangaram Ranges of Guduru (W.L.M.) Division is notified Under Section 15 of Andhra Pradesh Forest Act, 1967 vide G.O.Ms. No.668, dt:08.07.1355F of Chintaguda Reserve Forest, Under Section 15 of Andhra Pradesh Forest Act, 1967 vide G.O.Ms.No.1711, dt:18.09.1969 and Under Section 4 of Andhra Pradesh Forest Act, 1967 vide G.O.Ms.No.84, dt:08.09.1354F respectively.

The compartment wise areas are as follows:

Sl. No.	Bit No.	Compt. No.	Reserved Forest Block	Total Area of the Block (In Ha.)	Net area proposed for treatment available (In Ha.)	Species in the area
1	1	921	Chinthaguda	18363.12	159.20	The area is covered with degraded coppice growth of misc. species like Billudu, Nalla Maddi, Vepa, Tuniki, Chennangi, Kodisa
2	2	920	Chinthaguda			
3	3	922	Chinthaguda			
4	4	915	Chinthaguda			
5	5	698	Pakhal	23903.01	35.387	
6	6	698	Pakhal			
7	7	762	Pakhal			
8	8	762	Pakhal			
9	9	762	Pakhal			
10	10	699	Pakhal			
11	11	699	Pakhal	16769.07	28.345	
12	12	1019	Gudur			
13	13	1020	Gudur			
G-Total:					222.932	

Further, it is submitted that, the net area proposed for treatment is 222.932 Ha., out of that only 200.00 Ha., is feasible for planting, accordingly LIM Planting is proposed in the above areas.

The selected areas consists of gentle slopes, some are degraded plain areas with accessibility to roads and are degraded mainly due to biotic interference and are found suitable for Compensatory Afforestation. Most of these areas were retrieved from illegal encroachers and if not immediately brought under afforestation, there is possibility of encroachment.

SOIL DESCRIPTION AND TERRAIN:

In the proposed area, the soils are eroded and are ranging from Black Soil, Sandy loam with some hillocks here and there. There are several streams and streamlets running downwards from the hillocks causing soil erosion.

FLORA AND FAUNA:

In the proposed degraded Forest area the species available are mainly degraded coppice growth of Billudu, Nalla Maddi, Vepa, Tuniki, Chennangi, Kodisa, Tirumanu, etc., The Wild animals found in the selected area (Bison), Spotted Deer, Chousingha etc.,. Thus steps such as restoration of the vegetation, provision of sufficient water sources to the wild animals, provision of fodder and legume and overall protection is proposed..

TREATMENT MODELS:

It is proposed to treat the Degraded Forest areas under the following Treatment models. It is proposed to treat the Degraded Forest areas under the following Treatment models.

- a) Model-I : Protection of Reserve Forests by Protection from Fire.
- b) Model-II: Artificial Regeneration

(i) Raising of plantations in degraded forest areas

175.00 Ha of degraded area identified in Kothaguda Gangaram Ranges of Guduru (W.L.M.) Division was proposed for taking up afforestation works.

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

I. Model I: Demarcation of Permanent Forest Boundaries in the form of Cattle Proof Trench (CPT) and Improvement of Soil Moisture by way of SMC works:

- a) Most of these areas identified for Compensatory Afforestation area are having good viable root stock. Offering absolute protection to these degraded areas from biotic pressure is the best course of action for developing the area into productive forests. Continuous peripheral Trench all along the boundary of the Compensatory Afforestation area is proposed to be taken up with a twin objective of moisture conservation and boundary demarcation. Wherever it is not possible to dig a trench due to striking of hard stratum of rock, it is proposed to take up stone wall with rubble masonry or Erection of chain link fence as per filed conditions and local availability of materials.
- b) Fire management will also form an important part of the forest management and stand improvement strategy. Protection of these areas from fire, grazing and illicit felling is absolutely essential to improve the stand and it is proposed to be ensured either through Vana Samrakshana Samithies (VSS) or Departmental execution. Therefore, 5mtr wide fire lines are proposed in the above identified area.
- c) Digging of Percolation Tanks wherever required in the identified degraded forest area where the existing 2nd order nallahs are there.
- d) **Artificial Regeneration**

RAISING OF PLANTATIONS – PLANTING ON PLAINS/DEGRADED FOREST AREAS

To compensate the loss of Valuable forest growth in the Diverted Reserved forest areas, it is proposed to raise certain plantations in the degraded forest areas.

a. NON TEAK SECONDARY HARDWOOD SPECIES (NTSH) PLANTATIONS:

It is proposed to raise the above model of plantation under **Labour Intensive Method (LIM)** through intensive site preparation practices. The operations to be carried out are Survey and demarcation, clearing the miscellaneous jungle growth, Digging of Staggered contour Trenches and planting at 3 X 3 m espacement in 45 centimeter cube pits. All other cultural operations like Weeding's, Soil workings, manuring etc., will be provided for Seven years excluding raising year duly following the PCCF instructions.

II. Soil and Moisture Conservation Plan:

- (i) Construction of percolation tanks depending upon the terrain
- (ii) Provision for solar bore wells with pump facility and over head tank for providing water to the wild animals.
- (iii) Construction of Check Dams
- (iv) Construction of Rock Fill Dams
- (v) Erection of Solar Bore Well with construction of Percolation Tank

III. Protection Measures:

- (i) Purchase of Vehicles and maintenance of vehicles for patrolling in Reserve Forest areas
- (ii) Establishment of Base Camps for monitoring the DFL areas.

IV. Publicity and Awareness

- (i) Conducting of Pre-fire season workshops and awareness meetings.
- (ii) Construction of Watch Towers and Supervisory Huts

(iii) Erection of Hoardings for awareness to public on wildlife habitats.

Administrative Costs (Over Heads)

As the work involved is a massive one and involves lot of record maintenance, book keeping and intensive mobility of the field officers, it is required to provide 10% of treatment cost towards over heads.

PROJECT COST:

The total financial out lay of the project is **Rs. 1558.834 Lakhs**

The annual requirement of funds have been worked out on the base cost of 2022-23 FSR with 10% annual escalation for the remaining project period up to 2032-33.

The component wise details in brief are as follows.

S.No	Scheme Proposals	Cost in Lakhs
1	Afforestation Works	1051.729
2	Soil and Moisture Conservation Plan	67.530
3	Protection Measures	219.395
4	Publicity and Awareness	108.472
5	Nursery Infrastructure	30.000
6	Out Sourcing of Technical Expert / Computer Operator	24.300
7	Administrative Cost @ 5%	57.408
	Total:	1558.834


MODE OF EXECUTION:

It is proposed to implement the above proposals through VSS on Joint Forest Management concept or by Departmental execution method wherever possible. 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.

Digging of Peripheral trench work, SMC works and other Afforestation works are being carried out in the above said proposed degraded forest area through ongoing Schemes. Hence, left over works if any as per this scheme will be carried out in the adjoining Forest Blocks of Gangaram and Kothaguda Ranges.


Annexure:

Annexure	I	Abstract of Compensatory Afforestation Scheme in Degraded Forest Area.
Annexure	II	Year wise Estimated cost Compensatory Afforestation in Degraded Forest Area.
Annexure	III	Unit cost Data sheets


(FAC) District Forest Officer,
Mahabubabad.

Abstract of CA Scheme to restock and rejuvenate the 200.00 ha of degraded open forest land in lieu of diversion of 649.3014 Ha. of forest land for for diversion of Venkateshkhani OCP from Underground Rights to Surface Rights in Bhadradi Kothagudem District in favour of M/s. Singareni Collieries Company Limited

Sl. No	Scheme Proposals	Cost in Lakhs	
		Phy	Fin (Rs.in Lakhs)
1	2	51	52
I	I.Afforestation Works		
1	Rasing of nursery works	333250	211.272
2	Raising of Plantations under LIM	200	840.456
			1051.728
II	II.Soil & Moisture Conservation Works		
1	Construction of Percolation Tanks	4	23.650
2	Construction of Check Dams	2	21.000
3	Construction of RFDs	40	4.400
4	Digging of borewell with solar panels	2	18.480
			67.530
III	III. Protection Measures		
1	Purchase of petrolling Vehicle for monitoring around the plantation areas along with maintenance of vehicle and wages for drivers	1	159.113
2	Establishment of two base camps to monitor the DFL area and adjoining RF areas to curb the encroachments and smugglings of forest produces etc.	1	60.282
	Sub Total:		219.395
IV	IV.Publicity And Awareness		
1	Pre-Fire Season Workshops and awareness meetings	2	0.486
2	Publicity and awarness on forest and wild life	2	0.486
3	Erection of hoardings	2	11.000
3	Construction of Watch Towers	1	22.000
4	Construction of Supervisory Huts	1	74.500
			108.472
V	V.Nursery Infrastructure		
1	Establishment of two Cetral Nursery at Kothaguda and Gangaram ranges including construction of seed stores and nursery infrastructure	1	20.000
2	Erection of solar power system at nursery site	1	10.000
			30.000
VI	VI.Out sourcing of Technical Expert / Computer Operator		
1	Engaging computer operators Division / Range Level for online programming of Project	1	24.300
		1	24.300
VII	Administrative Cost - 5%		57.408
			57.408
	Total year wise outlay of the project		1558.834


 (FAC) District Forest Officer
 Mahabubabad

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

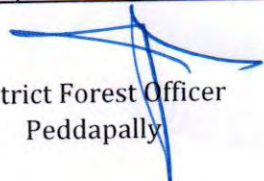
UNIT COST: 1.00 Ha

Unit Cost for 7th year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Municipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100	1531	1837
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	1111	723.51	100	8038	9646
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
	Unit Rate for 2022 -23				8038	12482

10% escalation every year



District Forest Officer
Peddapally

Abstract of CA Scheme t

Item of Work	2030-31			2031-32			2032-33			2033-34			2034-35			2035-36			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	Fin (Rs.in Lakhs)
2	33	34	35	36	37	38	39	40	41	39	40	41	39	40	41	39	40	41	51	52
I. Afforestation Works																				
Raising of nursery works																				
Purchase of 6X8 seedlings minimum 30 cm height seedlings																			333250	37.391
Conversion of bag plants from 6"x8" to 9"x11"																			333250	124.224
Maintenance of Bag Plants of 9"x11"																			333250	49.658
																			333250	211.272
Raising of Plantations under LIM																				
Advance Operations																			200	158.003
Raising of Plantation																			200	162.015
1st Year Maintenance																			200	95.411
2nd Year Maintenance																			200	66.884
3rd Year Maintenance																			200	73.573
4th Year Maintenance																			200	67.977
5th Year Maintenance																			200	28.072
6th Year Maintenance																			200	30.879
7th Year Maintenance	200.00	16983	33.9669				0.00	20550	0.0000										200	33.967
8th Year Maintenance		16983		200.00	18682	37.3636	0.00	20550	0.0000	0.00	22605	0.0000							200	37.364
9th Year Maintenance		16983			18682		200.00	20550	41.1000	0.00	22605	0.0000	0.00	24866	0.0000				200	41.100
10th Year Maintenance		16983			18682			20550		200.00	22605	45.2100	0.00	24866	0.0000	0.00	27352	0.0000	200	45.210
Sub Total:			33.967			37.364			41.100			45.210			0.000			0.000	200	840.456
			33.967			37.364			41.100			45.210			0.000			0.000		1051.728
II. Soil & Moisture Conservatio																				
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Digging of borewell with solar panels																			2	18.480
Sub Total			0.000			0.000			0.000											67.530
III. Protection Measures																				
Purchase of petrolling Vehicle for monitoring around the plantation areas along with maintenance of vehicle and wages for drivers																			1	159.113
Establishment of one base camps to monitor the DFL area and adjoining RF areas to curb the encroachments and smugglings of forest produces																			1	60.282


Sl. No.	Item of Work	Unit	Unit Cost 2022-23 (Rs.)	2022-23			2023-24			2024-25			2025-26			2026-27			2027-28			2028-29			2029-30		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost	Fin (Rs.in Lakhs)	Phy	Unit Cost	Fin (Rs.in Lakhs)	Phy	Unit Cost	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)
	Sub Total				87.987			22.861			23.948			25.142			29.457			15.000			15.000			0.000	
IV	IV.Publicity And Awareness																										
1	Pre-Fire Season Workshops and awareness meetings	LS	0.20	1	0.220	0.220			1	0.266	0.266																
2	Publicity and awarness on forest and wild life	LS	0.20	1	0.220	0.220			1	0.266	0.266																
3	Erection of hoardings	LS	3.00	2	5.500	11.000		6.050	0.000		6.655	0.000		7.321	0.000												
4	Construction of Watch Towers	LS	20.00	1	22.000	22.000		24.200	0.000		26.620	0.000															
5	Consrucion of Supervisory Huts for Forest Protection and Inspection cum Monitoring Rooms at DEO/EDO Office	LS	A/a	1	A/a	44.500		A/a	30.000																	0.000	
					77.940			30.000			0.532			0.000			0.000			0.000			0.000			0.000	
V	V.Nursery Infrastructure																										
1	Establishment of one Cetral Nursery at Kothaguda/ Gangaram ranges including construction of seed stores and nursery infrastructure	LS	20	1	20.000	20.000																					
2	Erection of solar power system at nursery site	LS	10	1	10.000	10.000																				0.000	
					30.000			0.000			0.000			0.000			0.000			0.000			0.000			0.000	
VI	VI.Out sourcing of Technical Expert / Computer Operator																										
1	Engaging computer operators Division / Range Level for online programming of Project	Nos	2.7	1	3.000	3.000	1	3.000	3.000	1	3.000	3.000	1	3.300	3.300	1	4.000	4.000	1	4.000	4.000	1	4.000	4.000	1	4.400	0.000
					3.000			3.000			3.000			3.300			4.000			4.000			4.000			0.000	
VII	VIII.Administrative Cost - 5%				16.2638			13.4506			6.4972			3.3442			3.6786			3.3989			1.4036			1.5440	
	Total year wise outlay of the project				510.468			338.324			163.920			98.671			110.708			90.376			48.475			32.423	


Government of Telangana
FOREST DEPARTMENT

Site Suitability Certificate

This is to certify that the following degraded Forest land to the extent of 159.20 Ha is identified for Compensatory purpose. The site is found to be suitable for raising of Compensatory Afforestation plantation (DFL) duly following the practices as proposed in the scheme. This C.A land is in lieu of area proposed for diversion of 649.3014 Ha of forest land for diversion of Venkateshkani OCP from Underground Rights to Surface Rights in Bhadradri Kothagudem District in favour of M/s. Singareni Collieries Company Limited. It is also certified that in this identified degraded RF area, no Compensatory Afforestation has been raised in the past as on date of inspection.

Sl. No.	Range	Beat	Section	Block	Compt. No.	Net area available
1	Gangaram	Mamidiguda (N)	Mamidiguda	Chinthaguda	921	38.780
2	Gangaram	Mamidiguda (N)	Mamidiguda	Chinthaguda	920	42.540
3	Gangaram	Mamidiguda (W)	Mamidiguda	Chinthaguda	922	40.210
4	Gangaram	Jangalapally (E)	Komatlaguda	Chinthaguda	915	37.670
					Total :	159.20


Forest Range Officer,
Gangaram.



(FAC) Forest Divisional Officer,
Gudur (WLM).

Government of Telangana
FOREST DEPARTMENT

Site Suitability Certificate

This is to certify that the following degraded Forest land to the extent of 63.933 Ha is identified for Compensatory purpose. The site is found to be suitable for raising of Compensatory Afforestation plantation (DFL) duly following the practices as proposed in the scheme. This C.A land is in lieu of area proposed for diversion of 649.3014 Ha of forest land for diversion of Venkateshkhani OCP from Underground Rights to Surface Rights in Bhadradi Kothagudem District in favour of M/s. Singareni Collieries Company Limited. It is also certified that in this identified degraded RF area, no Compensatory Afforestation has been raised in the past as on date of inspection.

Sl. No.	Range	Beat	Section	Block	Compt. No.	Net area available
1	Kothaguda	Rangappaguda	Ponugondla	Pakhal	698	3.287
2	Kothaguda	Rangappaguda	Ponugondla	Pakhal	698	1.009
3	Kothaguda	Rangappaguda	Ponugondla	Pakhal	762	3.148
4	Kothaguda	Rangappaguda	Ponugondla	Pakhal	762	1.080
5	Kothaguda	Rangappaguda	Ponugondla	Pakhal	762	7.975
6	Kothaguda	Musmi	Pogallapally	Pakhal	699	14.820
7	Kothaguda	Musmi	Pogallapally	Pakhal	699	4.069
8	Kothaguda	Karlai(N)	Karlai	Guduru	1019	26.060
9	Kothaguda	Karlai(N)	Karlai	Guduru	1020	2.285
					Total :	63.733


Forest Range Officer,
Kothaguda.


(FAC) Forest Divisional Officer,
Guduru (WLM).

Item of Work	2030-31			2031-32			2032-33			2033-34			2034-35			2035-36			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	Fin (Rs.in Lakhs)
Sub Total			0.000			0.000			0.000											219.395
IV.Publicity And Awareness																				
Pre-Fire Season Workshops and awareness meetings																			2	0.486
Publicity and awarness on forest and wild life																			2	0.486
Erection of hoardings																			2	11.000
Construction of Watch Towers																			1	22.000
Consrucion of Supervisory Huts for Forest Protection and Inspection cum Monitoring Rooms at DFO/FDO Office																			1	74.500
			0.000			0.000			0.000											108.472
V.Nursery Infrastructure																				
Establishment of one Cetral Nursery at Kothaguda/Gangaram ranges including construction of seed stores and nursery infrastructure																			1	20.000
Erection of solar power system at nursery site																			1	10.000
			0.000			0.000			0.000											30.000
VI.Out sourcing of Technical Expert / Computer Operator																				
Engaging computer operators Division / Range Level for online programming of Project		4.840	0.000		5.324	0.000		5.802	0.000										1	24.300
			0.000			0.000			0.000											24.300
VIII.Administrative Cost - 5%			1.6983			1.8682			2.0550			2.2060			0.0000			0.0000		57.408
Total year wise outlay of the project			35.665			39.232			43.155			47.416			0.000			0.000		1558.834

(FAC) District Forest Officer
Mehabubabad

R.L.
Chief Conservator of Forests
Conservator of Forests
KOTHAGUDEM CIRCLE

21/6/22
 P. S. Reddy
 J. S. S.



THE SINGARENI COLLIERIES COMPANY LIMITED
 (A GOVERNMENT COMPANY)

Kothagudem (P.O.)-507 101, Bhadradi Kothagudem District, Telangana State
 CIN: U10102TG1920SGC000571

Ref.No.CRP/EST/F/117/724

Date: 21.06.2022

To
**The Principal Chief Conservator of Forests
 & Head of Forest Force, Telangana,
 Aranya Bhavan, Hyderabad,**

Sir,

Sub:- F (C) - Diversion of 649.3014 Ha of Forest land in Ramavaram Range of Kothagudem division of Bhadradi Kothagudem District proposed for Venkatesh Khani Coal Mine – furnishing of reply to the EDS dated 20.06.2022, Request to transmit these replies to MOEF &CC, GOI- Reg.

- Ref:-
- 1- SCCL, Lr No KGM/EST/F/33/79, dated 22.02.2020
 - 2- The PCCF & HoFF Lr. Rc. No. 10066/2019/FCA-1/PS, dtd.11.03.2020
 - 3- CF, Kothagudem Rc. No. 117/2020/M3, dtd 01/12/2020
 - 4- The PCCF& HoFF, Ref.No- 10066/2019/FCA-4, dtd.16.01.2021
 - 5- The State Government Lr. No. 232/For.I(1)/2021, dtd 18.02.2021.
 - 6- The MoEF&CC, GoI Lr No. 8-05/2021-FC, dtd 23.11.2021.
 - 7- The PCCF& HoFF, Ref.No- 10066/2019/FCA-4, dtd.07.12.2021
 - 8- The State Government Lr. No. 232/For.I(1)/2021, dtd 18.12.2021
 - 9- The MoEF&CC, GoI Lr No. 8-05/2021-FC, dt . 20.06.2022

Kind attention is invited to the subject and references cited. It is to submit that vide reference 9th cited, the MoEF&CC, GoI, raised certain EDS for the proposal for diversion of 649.3014 Ha of Forest land for Venkatesh Khani Coal mine in Kothagudem Forest Division in Bhadradi Kothagudem district. Accordingly, the point wise reply is submitted hereunder.

- i. The State Government is requested to submit the CA Schemes w.r.t. the identified non forest land of 650.59 ha.

The SCCL identified the non forest rehabilitated over burden dumps for an extent of 650.59 Ha. at Medipalli Opencast project at Ramagundam as compensation to the CA land for Venkatesh Khani coal mine.

As per the instructions of the Prl. Chief Conservator of Forests & HoFF, vide Lr. No 10088/2021/FCA-4, dt. 10.01.2022, the District Forest Officer, Peddapalli, inspected the rehabilitated dumps and reported that, out of 650.59 Ha, an extent of 495.51 Ha. of area having trees more than 1000 per Hectare, 90 Ha., of area having more than 1000 plants per Hectare but girth having less than 10 cm at breast height and the remaining area of 65.08 Ha plantations is yet to be taken up as the dumps are reclaimed recently. The SCCL has agreed to take up the plantation in the area of 65.08 Ha during 2022 plantation season.

The District Forest Officer, Peddapalli, has recommended the rehabilitated dumps as CA land with certain conditions like plantation etc. The PCCF & HoFF, Telangana, has also recommended the proposal of CA land of rehabilitated dumps of 650.59 Ha and forwarded to State Government vide Lr PCCF-FC4/FC29/6/2022-FCA, dt. 16.05.2022 and the State Government also forwarded to the MoEF&CC, GoI vide letter 232/For.I(1)/2021, dt. 24.05.2022.

As such condition of compensation to the CA in Non Forest land is satisfied.

Further, out of 650.59 Ha, an extent of 495.51 Ha. had more than 1000 trees per /Ha, for the remaining area SCCL agreed to deposit amount for afforestation in degraded forest land. Accordingly, the degraded forest land was identified at Gangaram Range of Mahbobabad district to an extent of **200 ha**. The District Forest Officer, Mahbobabad, has prepared CA Scheme to this 200Ha for an amount of Rs. 15.58 Crores. The Chief Conservator of Forests, Kothagudem Circle, Kothagudem, has also submitted this CA scheme to the Prl. Chief Conservator of Forests & HoFF, TS, vide reference No- 40/2020/M3 dated 18.06.2022 (copy enclosed). **This CA scheme is over and above the equal land proposed to be handed over as Rehabilitated OB, where density is almost more than 0.70.**

- ii. *The State Government is requested to identify the degraded forest land where the remaining trees will be planted and forward the KML files and CA scheme to this Ministry.*

The degraded Forest land has been identified in Mahbobabad district to an extent of 200 ha and the District Forest Officer, Mahbobabad, has prepared CA Scheme for an amount of Rs.15.58 Crores which has been submitted by the Chief Conservator of Forests, Kothagudem Circle the Prl. Chief Conservator of Forests & HoFF vide Lr Rc.No 40/2020/M3 dated 18.06.2022.

iii. As per the DSS analysis infrastructure pertaining to mining work is present inside the proposed CA site. The software calculated area of the land under infrastructure is approximately 5.50 ha. The State Government may offer its comments in this regard.

It is to submit that out of 650.59 Ha of rehabilitated dumps proposed as CA, an extent of about 5.50 Ha is with the infrastructure like workshops and other repairing sheds. However, while calculating the degraded forest land this extent was also considered and forest department has prepared CA scheme in degraded Forest Land in 200 Ha. However, while handing over of the said land after getting the Stage-I permission, the SCCL will demolish / dismantle the infrastructure area and will do plantation in the next season

It is requested to kindly get this information submitted to the MOEF &CC, GOI, Through the State Government, as replies to the EDS raised for issue of further orders.

Yours faithfully,



Director(Planning & Projects)

**DIRECTOR (P & P)
THE SINGARENI COLLIERIES CO. LTD.**

Enclosures: as above.

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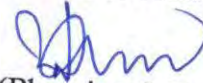
The Inspector General of Forests (FC), Ministry of Environment, Forests & Climate Change, Government of India, New Delhi, for favor of information.

The Integrated Regional Officer, Ministry of Environment, Forests & Climate Change, Government of India, 3rd Floor, O/o The Principal Chief Conservator of Forests, Telangana, Hyderabad

The Conservator of Forests, Karimnagar Circle, Karimnagar, for favor of information

The Chief Conservator of Forests, Kothagudem Circle, for favor of information

Yours faithfully,



Director (Planning & Projects)

**DIRECTOR (P & P)
THE SINGARENI COLLIERIES CO. LTD.**

1595455(1)/2022/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA


UNIT COST: 1.00 Ha

Unit Cost for 7th year maintenance of LIM Plantation

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)	Amount including Muncipal allowance i.e.20% (Rs)
1	2	4	5	6	7	8
02.04.03	Circular Weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	2500	137.76	100	3444	4133
02.04.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec):(b) For hard gravelly soil	2500	723.51	100	18088	21705
02.04.07	Contingencies provision for Raising of plantaitons:					
	ii) Contingencies and Miscellaneous	1	1000	Ha	1000	1000
	Unit Rate for 2022 -23				18088	26838

10% escalation every year


 District Forest Officer
 Peddapally