

- 433 -

25/08

The consolidated condition wise **compliance report** for the Segment-22/1(Kowthala) is submitted to the Forest Divisional Officer, Kagaznagar, **Komurambheem Asifabad District** as follows:

C.NO.	Description of the Condition	Compliance
1	2	3
(i)	Legal status of the diverted forest land shall remain unchanged.	Yes. The legal status remains unchanged and the conditions will be complied with. An undertaking is submitted herewith.
(ii)	The demarcation of the proposed forest area shall be carried out by erecting 4 feet high cement concrete pillars duly numbered at an interval of 20 meters at the cost of User Agency.	The Telangana Drinking Water Supply Corporation Ltd., Hyderabad has deposited an amount of Rs.2666675/- with UTR No. ANDBN19241989729 Dt: 31.12.2019), into the account of Forest Divisional Officer, Kagaznagar for the Demarcation of the area by concrete pillars.
(iii)	The Compensatory Afforestation (CA) shall be raised and maintained by the State Forest Department over 4.714 ha out of the 187.677 ha of non-forest land identified in Sy. No. 169 of Peddamunagala and in Sy.No.139 & 147 of Thimmapuram in Chandampet Mandal of Nalgonda District at the cost of user agency.	The Telangana Drinking Water Supply Corporation Ltd., Hyderabad has deposited an amount of Rs.6878700 part of Demand amount towards CA Scheme, into the account of TELANGANA STATE CAMPA, New Delhi Lodhi Complex, with UTR No. IDIBR52018080916737610Dt: 09.08.2018, against the project FP/TG/WATER/19331/2016.
(iv)	Identified CA land and approved CA scheme shall not be changed without the prior approval of the Central Government.	Yes, it will be complied with. An undertaking is submitted herewith.
(v)	Non-forest land identified for raising compensatory afforestation shall be transferred and mutated in favour of the State Forest Department before issue of the Stage-II clearance;	Transferred & mutated in favour of Forest Department.
(vi)	Non-forest land which is transferred and mutated in favour of the State Forest Department for the purpose of compensatory afforestation, shall be declared as Reserved Forest under Section-4 or Protected Forest under Section-29 of the Indian Forest Act, 1927 or under the relevant Section(s) of the local Forest Act. The Nodal Officer must report compliance within a period of 6 months from the date of grant of final approval and send a copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the local Forest Act as the case may be, to this office for information and record.	Not Applicable to UA.
(vii)	State Forest Department shall carry out the penal compensatory afforestation (PCA) over an extent of 1.951 ha in nearby degraded forest area at the cost of the user agency	The Telangana Drinking Water Supply Corporation Ltd., Hyderabad has deposited an amount of Rs.1362500/- part of Demand amount towards PCA , into the account of TELANGANA STATE CAMPA, New Delhi Lodhi Complex, with UTR No. IDIBR52018080916737610Dt: 09.08.2018, against the project FP/TG/WATER/19331/2016.)

(viii)	Map along with DGPS coordinates of the degraded forest identified for penal compensatory afforestation and CA scheme including 10 years of maintenance shall be furnished along with the compliance report	Compartment No. 84 of Easgaon Beat of vempally Section of kagaznagar range. Maps were submitted with 6 sets of each compartment.
(ix)	The State Government shall charge the Net Present Value of the diverted forest land measuring 4.714 ha from user Agency as per the orders of the Hon'ble Supreme Court dt 28.03.2008 and 09.05.2008 in IA No. 826 in 566 with related IA's in Writ Petition (Civil) Nol 202/1995.	The Telangana Drinking Water Supply Corporation Ltd., Hyderabad has deposited an amount of Rs.3530381/- part of Demand amount towards PCA , into the account of TELANGANA STATE CAMPA, New Delhi Lodhi Complex, with UTR No. IDIBR52018080916737610 Dt: 09.08.2018, against the project FP/TG/WATER/19331/2016.)
(x)	Additional amount of Net Present Value (NPV) of the diverted forest land if any, becoming due after revision of the same by the Hon'ble Supreme Court of India in future, shall be charged by the State Government from User Agency	Yes, it will be complied with. An undertaking is submitted herewith.
(xi)	The funds received from the User Agency towards Compensatory afforestation and Net Present value under this project including levies towards mitigation measures for wild life conservation etc Shall be deposited in the respective bank accounts of the Telangana State CAMPA. The User agency shall compulsorily deposit the CA and other levies only by generationgchallan throughMinistry's Website.	Paid an amount Rs.11771581.00 vide UTR No. IDIBR52018080916737610 Dt: 09.08.2018 for CA and NPV and an amount of Rs. 13071000.00 for BIOSOT account UTR No. 0063879Dt: 31.12.2019 and complied.
(xii)	State Forest Department shall carry out translocation of the trees wherever feasible at the cost of User Agency.	Translocation of trees is not proposed.
(xiii)	The muck generated in the earth cutting if any, will be disposed off at designated dumping sites and in no case the muck/debris will be disposed off on the forest areas.	Yes, it will be complied with. An undertaking is submitted herewith.
(xiv)	Tree felling in the proposed forest area shall be carried out wherever necessary, with the prior permission of the Divisional Forest Officer concerned.	Yes, it will be complied with. An undertaking is submitted herewith.
(xv)	State Government and the user agency shall implement mitigation measure and other conditions as recommended by the standing Committee of NBWL vide Ministry's letter No. 6-69/2017/WL dt 02.06.2017 at the project cost.	Paid an amount Rs.13071000 vide UTR No. 0063879Dt: 31.12.2019 and complied
(xvi)	State Government & User Agency shall implement mitigation measures as proposed by the D.F.O. Kagaznagar at the project cost	Paid and amount Rs. 4890000 amount vide UTR No. 0063879 Dt: 31.12.2019 and complied
(xvii)	Wherever necessary, user agency shall provide	Yes, it will be complied with. An undertaking is

	free supply of water for forest nurseries and field staff quarters and range offices, besides providing outlets with small troughs during summer for wild animals in the forest areas.	submitted herewith.
(xviii)	The user agency should make provisions for supply of water to wildlife at designated places / along the route passing through forest area, in consultation with Telangana Forest Department. Such provision should be made at intervals of 2 Kms each. Precautions have to be taken to avoid concentration of livestock at the water point.	Yes, it will be complied with. An undertaking is submitted herewith.
(xix)	The forest land proposed for diversion shall under no circumstances be transferred or sublet to any other agency, department or person without prior approval of the Central Government	Yes, it will be complied with. An undertaking is submitted herewith.
(xx)	The layout plan of the proposal shall not be changed without the prior approval of the Central Government	Yes, it will be complied with. An undertaking is submitted herewith.
(xxi)	The user agency shall use existing paths and roads for laying of pipeline and no new paths / roads are to be formed.	Yes, it will be complied with. An undertaking is submitted herewith.
(xxii)	Minimal disturbance should be ensured by creating labour camps outside the forest area as far as possible and it will be responsibility of the UA to ensure that the labourers & staff engaged in execution of work do not destruct nearby forest flora & fauna	Yes, it will be complied with. An undertaking is submitted herewith.
xxiii	The Total forest area utilized for the project shall not exceed 4.714 ha and the forest area diverted shall not be used for any purpose other than those shown in the diversion proposal.	Yes, it will be complied with. An undertaking is submitted herewith.
xxiv	User agency and the state Government shall ensure compliance to provisions of the all Acts, Rules, Regulation and Guidelines, for the time being in force, as applicable to the project.	Yes, it will be complied with. An undertaking is submitted herewith.
xxv	The progress of the Compensatory Afforestation under the jurisdiction of D.F.O. Kaghaznagar Division shall be monitored by the Circle Head and a copy of such monitoring report shall be forwarded to the Regional Officer to upload the same in the web portal	Not applicable to user agency
xxvi	Any other conditions that the Central	Yes, it will be complied with. An undertaking is

22/1

3 sets

- 439 -

	Government or Addl. PCCF(Central) of Regional Officer Chennai may impose from time to time in the interest of Afforestation conservation and management of flora and fauna in the area, shall be complied by the user agency	submitted herewith.
xxvii	In the event of failure to comply with any of the above conditions the user agency is liable for penal action as decided by the Additional PCCF (Central), Regional Officer Chennai.	Yes, it will be complied with. An undertaking is submitted herewith.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

**Undertaking to Condition-(i)**

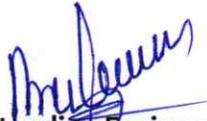
I hereby undertake and confirm that, the legal status of the diverted forest land will remain unchanged in respect diversion of 4.714ha (Kowthala) of forest land in Komurambheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

**Undertaking to conditions-(iv)**

I hereby undertake in respect of diversion of 4.714ha (Kowthala) of forest land in Komurambheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial, the following:

- iv) Identified CA land and approved CA scheme will not be changed without the prior approval of the Central Government.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

**Undertaking to pay additional amount of Net Present Value (NPV)-conditions-(x)**

I hereby undertake to pay the additional amount of Net Present Value (NPV) of the diverted forest land if any, becoming due after revision of the same by the Hon'ble Supreme Court of India in future shall be charged by the State Government from User Agency in respect of diversion of 4.714ha (Kowthala) of forest land in Komurambheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

**Undertaking to carry out planned muck disposal condition-(xiii)**

I hereby undertake to dispose the muck generated in the earth cutting if any, will be disposed off at designated dumping sites and in no case the muck/debris will be disposed off in the forest areas in respect of diversion of 4.714 ha (Kowthala) of forest land in Komurambheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

- 445 -

**Undertaking to condition-(xiv)**

I hereby undertake that, the tree felling in the proposed forest area will be carried out wherever necessary, with the prior permission of the Divisional Forest Officer concerned, in respect of diversion of 4.714ha (Kowthala) of forest land in Komurambheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

**Undertaking to conditions- (xvii) & (xviii)**

I hereby undertake in respect of diversion of 4.714ha (Kowthala) of forest land in Komurambheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial, the following:

- xvii. Wherever necessary, user agency shall provide free supply of water for forest nurseries and field staff quarters and range offices, besides providing outlets with small trough during summer for wild animals in the forest areas.
- xviii. The user agency should make provisions for supply of water to wildlife at designated places /along the route passing through forest area, in consultation with Telangana Forest Department. Such provision should be made at intervals of 2 Kms each. Precautions have to be taken to avoid concentration of livestock at the water point.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

417

**Undertaking to conditions- (xix)& (xx)**

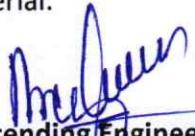
I hereby undertake in respect of diversion of 4.714ha (Kowthala) of forest land in KomuramBheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala)for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial, the following:

- xix. The forest land proposed for diversion shall under no circumstances be transferred or sublet to any other agency, department or person without prior approval of the Central Government.
- xx. The layout plan of the proposal shall not be changed without the prior approval of the Central Government.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

**Undertaking to condition-(xxi)**

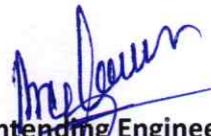
I hereby undertake to shall use existing paths and roads for laying of pipeline and no new paths / roads are to be formed, in respect of diversion of 4.714 ha (Kowthala) of forest land in Komuram Bheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

449

**Undertaking to condition-(xxii)**

I hereby undertake to ensure minimal disturbance by creating labour camps outside the forest area as far as possible and it will be the responsibility of the UA to ensure that the labourers & staff engaged in execution of work do not destruct nearby forest flora & fauna, in respect of diversion of 4.714 ha (Kowthala) of forest land in Komuram Bheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

**Undertaking to conditions-(xxiii),(xxiv), (xxvi), (xxvii)**

I hereby undertake in respect of diversion of 4.714 ha (Kowthala) of forest land in Komuram Bheem Asifabad District for laying of pipeline and construction of Structures in segment-22/1 (Kowthala) for providing safe drinking water under Telangana Drinking Water Supply Project in favour of Superintending Engineer, TDWSP (MISSION BHAGIRATHA) Circle, Mancherial, the following:

- xxiii. The Total forest area utilized for the project shall not exceed 4.714 ha and the forest area diverted shall not be used for any purpose other than those shown in the diversion proposal.
- xxiv. User agency and the State Government shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.
- xxvi. Any other conditions that the Central Government or Addl. PCCF(Central) of Regional Office, Chennai may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, will be complied by the user agency.
- xxvii. In the event of failure to comply with any of the above conditions the user agency is liable for penal action as decided by the Additional PCCF (Central), Regional Office, Chennai.

  
Superintending Engineer  
Mission Bhagiratha Circle, Mancherial.

- 451 -

22/1

NEFT:MESSAGE DETAILS	
UTR Number	IDIBR52018080916737610
Transaction Branch	1674
Value Date	09/08/2018
Amount	11771581.00
Commission	0
Beneficiary Details	
Beneficiary Account	155705318191244
Beneficiary Name	TELANGANA CAMAPA
Beneficiary Address	Corporation Bank, Lodhi Complex Branch Block 11 CGO Complex, Phase-1 Lodhi Road, New Delhi-110003
IFSC CODE	CORP0000371
Remitting Customer Details	
Account Number	6432456786
Remitter's Name	TELANGANA DRINKING WATER SUPPLY CORPORATION LTD.
Remitter's Address	ROOM NO.302, THIRD FLOOR, SRTGN BHAWAM, ERRAMANZIL, HYDERABAD
Sender's To Receiver Information	
Details of Payment	
Error Code	
Fund Status	



453

22/1

ANDHRA BANK

NEFT : MESSAGE DETAILS	
UTR Number	ANDBN19241989729 /
Transaction Branch	Andhra Bank, SCF Br, R.B. Road
Value Date	31.12.2019
Amount	2666675/- /
Commission	0
Beneficiary Details	
Beneficiary Account	37130525073
Beneficiary Name	FDO KAGHAZNAGAR /
Beneficiary Address	KAGHAZNAGAR
IFSC CODE	SBIN0020121
Remitting Customer Details	
Account Number	100611100002272
Remitter's Name	TELANGANA DRINKING WATER SUPPLY CORPORATION Ltd.
Remitter's Address	ROOM NO. 302, THIRD FLOOR, SRTGN BHAWAN, ERRAMANZIL, HYDERABAD
Sender's to Receiver information	
Details of Payment	
Error Code	
Fund Status	



से आरम्भ करें / For ANDHRA BANK

*[Handwritten Signature]*

अधिकृत हस्ताक्षर/Authorised Signatory  
 महा नगर कॉर्पोरेशन लिमिटेड शाखा, हैदराबाद  
 Andhra Corporate Finance Br. Hyd  
 अधिकारी द्वारा: TANUSHREE DHARA  
 Senior Manager T-149

- 455 -

22/1

ANDHRA BANK

NEFT : MESSAGE DETAILS	
UTR Number	0063879
Transaction Branch	Andhra Bank, SCF Br, R.B. Road
Value Date	31.12.2019
Amount	13071000/- /
Commission	0
Beneficiary Details	
Beneficiary Account	110310100030284
Beneficiary Name	BIOSOT /
Beneficiary Address	BIOSOT
IFSC CODE	ANDB0001103
Remitting Customer Details	
Account Number	100611100002272
Remitter's Name	TELANGANA DRINKING WATER SUPPLY CORPORATION Ltd.
Remitter's Address	ROOM NO. 302, THIRD FLOOR, SRTGN BHAWAN, ERRAMANZIL, HYDERABAD
Sender's to Receiver information	
Details of Payment	
Error Code	
Fund Status	

आंध्र बँक / For ANDHRA BANK

अधिकृत हस्ताक्षर/Authorised Signatory  
 विशेषतः कॉर्पोरेट वित्त शाखा, हैदराबाद  
 Specialised Corporate Finance Br. Hyd.  
 लक्ष्मी धारा/TANUSHREE DHARA  
 Senior Manager T-149





**తెలంగాణ ప్రభుత్వము**  
**గ్రామీణ నీటి సరఫరా మరియు పారిశుధ్య శాఖ**  
**తెలంగాణ డ్రింకింగ్ వాటర్ సప్లై ప్రాజెక్ట్**  
**ఇంటిసీర్ ఇన్ డిప్ వాల కార్యాలయం, RWS&S, TDWSP, హైదరాబాద్**

**నాణిబుకేషన్**

పూర్వ అదిలాబాద్ జిల్లాలోని అటువీ భూములను ఈ శ్రీంది సెగ్మెంట్కు బదలాయించడానికి సూత్రప్రాయంగా అనుమతులు పొందడమైనది. సెగ్మెంట్ యొక్క ప్రతిపాదన సంఖ్య, సెగ్మెంట్ సంఖ్య-పేరు, ఏరియా మరియు స్టేజ్-1 అనుమతుల సూచీ సంఖ్య వివరాలను ఈ శ్రీంద ఇవ్వడమైనది. మరింత సమాచారం, ఇతర నిబంధనల కోసం దయచేసి అటువీ శాఖ వెబ్సైట్ [forestclearance.nic.in](http://forestclearance.nic.in) చూడండి.

1. ప్రతిపాదన సంఖ్య. FP/TG/WATER/18165/2016. 21-1 మాచల 4.145ha. F.No. 4-TSB032/2016-CHN/2493 Dt: 19.12.2016.
2. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18314/2016. 21-2 చెంచుపూట్ 4.698 ha. F.No. 4-TSB036/2016-CHN/2496 Dt: 19.12.2016.
3. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18318/ 2016. 21-3 బబుల్ ధోలె 3.623 ha. F.No. 4-TSB034/2016-CHN/2495 Dt: 19.12.2016.
4. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18169/ 2016. 21-4 ఆరెపల్లి 3.838 ha. F.No. 4-TSB033/2016-CHN/2530 Dt: 26.12.2016.
5. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18321/ 2016. 21-5 నేరెడిగొండ 3.060 ha. F.No. 4-TSB045/2016-CHN/0035 Dt: 09.01.2017.
6. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18172/ 2016. 21-6 కరత్ వాడ 3.029 ha. F.No. 4-TSB035/2016-CHN/2494 Dt: 19.12.2016.
7. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 19315/ 2016. 21-7 మాడేగావ్ 4.945 ha. G.O.F.No. 104/EFS&T (For.I) Dept. Dt: 09.01.2017.
8. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 19318/ 2016. 21-8 సిర్యెలమ 4.737 ha. F.No. 4-TSB094/2017-CHN/1150 Dt: 24.07.2017.
9. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18191/ 2016. 22-1 కౌటాల 4.714 ha. F.No. 4-TSB056/2017-CHN/1253 Dt: 07.08.2017.
10. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18192/ 2016. 22-2 చెట్టూర్ 3.876 ha. F.No. 4-TSB053/2017-CHN/1077 Dt: 12.07.2017.
11. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18193/ 2016. 22-3 సిర్పూర్ 4.684 ha. F.No. 4-TSB057/2017- CHN/1080 Dt: 12.07.2017.
12. ప్రతిపాదన సంఖ్య. FP/TG/ WATER/ 18194/ 2016. 22-4 కాగత్ నగర్ 2.425 ha. F.No. 4-TSB055/2017-CHN/1254 Dt: 07.08.2017.
13. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18541/ 2016. 22-5 దహిగాం 2.643 ha. F.No. 4-TSB054/2017-CHN/1250 Dt: 07.08.2017.
14. ప్రతిపాదన సంఖ్య. FP/TG/WATER/ 18543/ 2016. 22-6 తాండూర్ 4.378 ha. G.O.R.No. 40/ EFS&T (For.I) Dept. Dt: 27.03.2017.

సం / - ఇంటిసీర్ ఇన్ డిప్ , RWS&S, TDWSP, TS, హైదరాబాద్

DIPR R.O.No. 1917 -DP/CL/Adv/1/2018-19, తేది: 20.09.2018



**GOVERNMENT OF TELANGANA**  
**RURAL WATER SUPPLY & SANITATION DEPARTMENT**  
**TELANGANA DRINKING WATER SUPPLY PROJECT**  
**Office of the Engineer in Chief, RWS&S, TDWSP, Hyderabad**



**NOTIFICATION**

In-principle approval for diversion of forest land in the following segments of erstwhile Adilabad district has been issued. The details of proposal no., segment no., segment name and area indicating reference no. of Stage I approval accorded are given hereunder. For further details and other conditions please visit Forest Website: forestclearance.mca.in

1. Proposal No.FP/TGWATER/18166/2016,  
21-1 Mavala 4.145 ha, F.No.4-TS8032/2016-CHN/2493 Dt:19.12.2016.
2. Proposal No.FP/TGWATER/18314/2016,  
21-2 Chendurthet 4.698 ha, F.No.4-TS8036/2016-CHN/2496 Dt:19.12.2016
3. Proposal No.FP/TGWATER/18318/2016,  
21-3 Babudhole 3.623 ha, F.No.4-TS8034/2016-CHN/2495 Dt:19.12.2016
4. Proposal No.FP/TGWATER/18169/2016,  
21-4 Aredally 3.638 ha, F.No.4-TS8033/2016-CHN/2530 Dt:26.12.2016
5. Proposal No.FP/TGWATER/18321/2016,  
21-5 Neredigonda 3.060 ha, F.No.4-TS8045/2016-CHN/0035 Dt:09.01.2017
6. Proposal No.FP/TGWATER/18172/2016,  
21-6 Karathwada 3.029 ha, F.No.4-TS8035/2016-CHN/2494 Dt:19.12.2016
7. Proposal No.FP/TGWATER/19315/2016,  
21-7 Madegaon 4.945 ha G.O.Rt.No.104/EF&T(ForI) Dept. dt:09.06.2017
8. Proposal No.FP/TGWATER/19318/2016,  
21-8 Sireelama 4.737 ha, F.No.4-TS8094/2017-CHN/1150 Dt:24.07.2017
9. Proposal No.FP/TGWATER/18191/2016,  
22-1 Kovvula 4.714 ha, F.No.4-TS8056/2017-CHN/1253 Dt:07.08.2017
10. Proposal No.FP/TGWATER/18192/2016,  
22-2 Bellur 3.876 ha F.No.4-TS8053/2017-CHN/1077 Dt:12.07.2017
11. Proposal No.FP/TGWATER/18193/2016,  
22-3 Sirpur 4.684 ha, F.No.4-TS8057/2017-CHN/1090 Dt:12.07.2017
12. Proposal No.FP/TGWATER/18194/2016,  
22-4 Kagaznagar 2.425 ha, F.No.4-TS8055/2017-CHN/1254 Dt:07.08.2017
13. Proposal No.FP/TGWATER/18541/2016,  
22-5 Daneegaon 2.643 ha F.No.4-TS8054/2017-CHN/1250 Dt:07.08.2017
14. Proposal No.FP/TGWATER/18543/2016,  
22-6 Tandur 4.378 ha, G.O.Rt.No.40/EF&T(ForI) Dept dt:27.03.2017

Sd/- Engineer in Chief, RWS&S, TDWSP, TS, Hyd.  
DPR No. 1068-DP/CL-AGENCY/ADVT/12018-19, Dt. 20.09.2018.



APPENDIX - II

Penal Compensatory Afforestation (PCA) Scheme for over an extent of 1,951 ha in Degraded Forest area for Raising of plantation under AR-LI @ 3m x 3m espacement method In Compt No.84 of Easgaon Beat of Vempally Section of Kaghanaznagar Range of Kaghanaznagar Division (Segment No.221-KOWTALA)

YEAR WISE REQUIREMENT OF FUNDS

Sl. No	Item of work	2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		
		Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	
1	Raising of Nursery & Plantation:													
	a) Primary beds	5	890	4450	5	1024	5120							
	b) Raising and Convesion of Nursery In Nos	2800	12.96	36288	600	14.90	8940							
2	Maintenance of Nursery				2800	3.19	8932	600	3.67	2202				
3	Advance operations (Area in Ha.)	1.951	41402	80775										
4	AR-LI Method- 3m x 3m													
6	Raising of plantation (Area in Ha.)				1.951	42737	83380							
	AR-LI Method- 3m x 3m							1.951	36046	70326				
7	1st Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m							1.951	28649	55894				
8	2nd Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m									1.951	32946	64278		
9	3rd Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m											1.951	37888	73919
10	4th Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m													
11	5th Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m													
12	6th Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m													
13	7th Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m													
14	8th Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m													
15	9th Year maintenance of plantation (Area in Ha.)													
	AR-LI Method- 3m x 3m													
	AR-LI Method- 3m x 3m			121513						106372				
	Total			121513						10637				
	AR-LI Method- 3m x 3m			133664						117009				
16	Administrative Cost -10%													
	Grand Total													

Forest Divisional Officer  
Kaghanaznagar

APPENDIX - II

Penal Compensatory Afforestation (PCA) Scheme for over an extent of 1,951 ha in Degraded Forest area for Raising of Gap plantation under ANR Method in Compt No.84 of Easgaon Beat of Vempally Section of Kaghanaznagar Range of Kaghanaznagar Division (Segment No.22/1-KOWTALA)

Item of work	YEAR WISE REQUIREMENT OF FUNDS												Total		
	2023-24		2024-25		2025-26		2026-27		2027-28		2028-29				
	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount	Qty.	Rate	Amount
<b>Raising of Nursery &amp; Plantation:</b>															
a) Primary beds															
b) Raising and Convesion of Nursery in Nos															
Maintenance of Nursery															
Advance operations (Area in Ha.)															
AR- LI Method- 3m x 3m															
Raising of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m															
1st Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m															
2nd Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m															
3rd Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m															
4th Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m															
5th Year maintenance of plantation (Area in Ha.)	1 951	43571	85007												
AR- LI Method- 3m x 3m				1 951	50107	97759									
1 6th Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m															
2 7th Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m				1 951	57623	112422									
3 8th Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m							1 951	66266	129285						
4 9th Year maintenance of plantation (Area in Ha.)															
AR- LI Method- 3m x 3m										1 951	76206	148678			
5 10th Year maintenance of plantation (Area in Ha.)													1 951	87637	170980
AR- LI Method- 3m x 3m														170980	1238635
<b>Total</b>			85007			9776			148678			14868		17098	123864
AR- LI Method- 3m x 3m			8501			9776			148678			14868		17098	123864
<b>Administrative Cost -10%</b>			93508			107535			163546			163546		188076	1362499
<b>Grand Total</b>															13,62,600

Or 13,62,600

Forest Divisional Officer  
Kaghanaznagar

### Requirement of seedlings

Penal Compensatory Afforestation (PCA) & CA Scheme for over an extent of 1,951 ha in Degraded Forest area for Raising of plantation under AR- LI @ 3m x 3m espacement method in Compt No.84 of Easgaon Beat of Vempally Section of Kaghaznagar Range of Kaghaznagar Division (Segment No.22/1- KOWTALA)

Sl. No	Range	Particulars	Area proposed in Ha	AR- LI @ 3m x 3m @ 1111/ Ha
1	Kaghaznagar	Raising year	1,951	2168
		Replacement of Casulaties-20%		434
		Tranportation damage -10 %		217
				2819
1	Kaghaznagar	Replacement for 1st year	1,951	542
		Tranportation damage -10 %		54
				596
		<b>Grand Total</b>		<b>3415</b>

  
 Forest Divisional Officer  
 Kaghaznagar

467

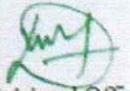
## UNIT COST FOR RAISING OF Misc. PRIMARY BEDS NURSERY FOR THE YEAR 2017-18

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
		<b>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 -</b> 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.					
	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	1	Bed	4.54	1	5.00
	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	1	Bed	34.92	1	35.00
	01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	1	Bed	25.45	1	25.45
	01.01.05	For every extra km beyond 5 km upto 25 km( 20x 1.01=20.20)	1	Bed	20.2	1	20.20
	01.01.06	Cost and transport of 0.025 cum FYM	1	Bed	21.87	1	21.87
	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.	1	Bed	9.92	1	9.92
	01.01.08	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	1	Bed	11.34	1	11.34
	01.01.09	Soil drenching with 0.1% Carbendazim (10 gm or 10 ml of Carbendazim in 1 lit of water)	1		By Nursery Watcher		0.00
	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	1		As per special instruction under FSR		500.00
	01.01.11	Seed dressing with Captan or Thiram at 3-5 gm / kg of seeds (the insecticide should be mixed with 250 gm of ash and then this should be thoroughly mixed with seeds to be sown after pretreatment and before sowing)	1		By Nursery Watcher		0.00
	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	1	Bed	11.29	1	11.29
	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months. ( 12.71 x 2 = 25.42 )	1	Bed	25.42	1	25.42
	01.01.14	Kerbing the primary beds all around with Cement Bricks (in permanent nurseries only) , if required. In all such permanent primary beds, no incurring of expenditure for making the primary beds every year is permitted except for cost of fungicides. This item has to be done with prior written approval of DFO	1	Per Bed	As per CSSR		200.00
	01.01.15	Cost of chemicals, fungicide and insecticide			As per actuals limited to Rs 1000/- per 1 lakh seedlings in primary bed stage		20.00
	01.01.16	Application of Fungicide and insecticide with power-driven back-pack mechanized sprayer as used in agricultural fields to spray insecticide.	1		By Nursery Watcher		0.00
							885.49

Or 890 Per Bed

## UNIT RATE :

- 890.00 As per FSR 2017-18  
1023.50 As per FSR 2018-19 (15% Escalation charges added)  
1177.03 As per FSR 2019-20 (15% Escalation charges added)

  
Forest Divisional Officer  
Kaghaznagar

- 471 -

**UNIT COST FOR RAISING OF 50,000 BAG PLANTS NURSERY FOR 2017-18 (size of bag 5"x 9") and Convesion to 8" x 12"**

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	
	01.03	<b>BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in February - March. Hence the bags are to be filled during January-February when the soil is dry.</b>					
		<b>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)</b>					
	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	30	Bed	46.33	1	1390
		<b>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 &amp; Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.</b>					
	01.03.03	a) 12.5 cm x 22.5 cm (5" x 9") size bags: 200 g 366 bags / kg	150	Kgs	182.00	1	27300
	0.1.03.04	<b>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.</b>					
		<b>Transportation of soil mixture ingredients</b>					
		a) Distance up to 5 km					
	01.03.05	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags	50000	Bags	348.16	1000	17408
		b) For every extra km beyond 5 km upto 25 km					
	01.03.06	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags ( 20 Kms x 9.07 = 181.40)	50000	Bags	181.4	1000	9070
		<b>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.</b>					
	01.03.07	b) 12.5 cm x 22.5 cm (5" x 9") size bags: 1700 bags / bed	50000	Bags	872.5	10000	4363
	01.03.08	Alignment of beds including alignment of inspection paths etc	30	Bed	6.92	1	208
	01.03.09	Pricking out seedlings from primary beds and transplanting into polybags	50000	Bags	128.88	1000	6444
	01.03.10	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	0	Bags	76.66	1000	0
	01.03.11	<b>Watering the plants twice a day from Feb - March</b>					
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe	30	Bed / 2months	250.10	1	15006
		b) Mechanically with sprinkler sets fitted all along the beds at a height of 75-100 cm height.	0	Bed / month	69.51	1	0.00
	01.03.12	Weeding the beds during March	30	Bed / weeding	45.93	1	1378
	01.03.13	Shifting, Grading and rearranging in beds of 10x1 m size beds (2600 no. of 4"x7"bags; 1700 no. of 5"x9" bags) - One Grading in March	30	Bed / weeding	214.49	1	6435
	01.03.14	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	3	Bed	60.90	1	183
	01.03.15	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from February to March.			As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings.		1000
	01.03.16	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)			By Nursery Watcher		0.00
	01.03.17	Weeding in the space between the beds, inspection path and surroundings of Nursery	30	Bed	31.3	1	939
	01.03.18	Maintenance of Root Trainer plants or 4"x7" or 5"x9" bag-plants from April - August - Watering the plants twice a day from April - August ( 5 months)	30	Bed / month	250.10	1	37515
	01.03.19	Weeding the beds during May & July ( 3 months)	30	Bed / weeding	45.93	1	4134
	01.03.20	Shifting, Grading and rearranging in beds of 10 m x1 m size beds (2600 no. of 4"x7"bags; 1700 no. of 5"x9" bags) - One Grading in the month of May.	30	Bed / shifting	214.49	1	6435
		Nursery Watcher from January to August for 8 Months	8	Month	8017	1	64136
		<b>Sub-total</b>					<b>203344</b>

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	
	01.03.21	CONVERSION of Root Trainer plants or 4"x7" or 3"x9" 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 of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.					
	01.03.03	ii) 20 cm x 30 cm (8" x 12") size bags: 400 Guage =86 bags / kg +10% extra purchased ( 50000/86=581+58= 639 Kgs	640	Kgs	182.00	1	116480
	01.03.22	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.					
	01.03.23	Transportation of soil mixture ingredients up to a distance of 5 km					
		e) 5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	50000	Nos	864.05	1000	43203
	01.03.24	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
		e) 5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum) ( 20 Km x 21.87 = 437.40 )	50000	Nos/Km	437.40	1000	21870
	01.03.25	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)					
		e) 5" x 9" to 8" x 12" polybags (3.82 - 1.12 = 2.70 cum)	50000	Nos	1552.61	1000	77631
	01.03.29	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags, and 400 no. of 10"x16" bags) from November - March: 2 weedings					
		1 <sup>st</sup> weeding - December	63	Bed / weeding	45.93	1	2894
		2 <sup>nd</sup> weeding - February	63	Bed / weeding	45.93	1	2894
	01.03.30	Shifting, Grading and rearranging in secondary beds - One Grading in February	63	Bed / weeding	214.49	1	13513
	01.03.31	Watering the plants manually twice a day (from Novemehr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe for 5 months	63	Bed / 5 months	250.10	1	78782
	01.03.32	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from Dec - March) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)		By Nursery Watcher		0	
	01.03.33	Cost of foliar nutrient formulations like multiplex or NPK- 19:19:19; fungicides and insecticides (from Dec - March)		As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings.		1000	
		Nursery Watcher from September to March for 7 Months	7	Month	8017	1	56119
	01.03.34	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, electricity charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased.		As per actuals, subject to max. of 5% of estimate in raising year		30270	
		<b>Sub total</b>					<b>444656</b>
		<b>Gran total</b>					<b>648000</b>

UNIT RATE :  
 648000.00 As per FSR 2017-18  
 745200.00 As per FSR 2018-19 (15% Escalation charges added)  
 856980.00 As per FSR 2019-20 (15% Escalation charges added)

OR  
 12.96 Per Plant - 2017-18  
 14.90 Per Plant - 2018-19  
 17.14 Per Plant - 2019-20

  
 Forest Divisional Officer  
 Kaghaznagar

- 476 -

**UNIT COST FOR MAINTENANCE OF BAG PLANTS NURSERY FOR 2018-19 (size of bag 8"x12")**

FSR item No	Nature of work	Qty	Rate	Unit	Amount	Remarks
01.04.	<b>MAINTAINANCE YEAR OF NURSERY</b>					
	<b>MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST)</b> <i>for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X 9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)</i>					
01.04.01	<b>Watering</b> polybag secondary beds twice a day for 4 months					
	a) Manually with rose spray or finely perforated nozzle attached to a hose pipe .	63	Bed / 4 months	250.10	1	63025
01.04.02	<b>Weeding</b> <i>once</i> during maintenance year	63	Bed / weeding	45.93	1	2894
01.04.03	<b>Shifting, grading and re-arranging</b> in beds for 10 m X 1 m size bed <i>max. two shifts</i> (one in April and another in June)	63	Bed / 2 times shifting	226.46	1	28534
01.04.04	<b>Application prophylactic foliar spray</b> of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from April to August) alternatively Similarly, application of multiples or NPK 19:19:19 (1 teaspoon in 1 lit water) - <i>once</i> in a month - to be applied by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	63	By Nursery Watcher			0
01.04.05	<b>Cost of foliar nutrient formulations</b> like multiplex or NPK-19:19:19; fungicides and insecticides (from April - August)	63	As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings			1000
01.04.06	<b>Cowdung Slurry application</b> ( <i>One can apply chemical foliar spray or apply cowdung slurry - not both</i> )					
	(a) <b>Cost and transportation of fresh cowdung</b>	63	per 100 beds for 3 months	As per actual subject to maximum of Rs 2500/-		1575
	(b) <b>Application of cowdung slurry</b> - only once between April to June - <i>Watering should not be done 12 hours before and after application of cowdung slurry treatment.</i>		1000 bags	By Nursery Watcher		0
01.04.07	<b>Weeding in the space between the beds</b> , inspection path and surroundings of Nursery	63	Beds	25.28	1	1593
01.04.08	<b>Contingencies for Maint. Year</b> towards the expenditure like cost of hose pipe, nursery boards, electricity charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased.			As per actuals, subject to max. of 5% of estimate in Maint. Year		
	Nursery Watcher from April to August for 5 Months	5	Month	8017	1	40085
						138706

Per 50000 Bags or 138800

**UNIT RATE :**

- 138800.00 As per FSR 2017-18
- 159620.00 As per FSR 2018-19 (15% Escalation charges added)
- 183563.00 As per FSR 2019-20 (15% Escalation charges added)
- 211097.45 As per FSR 2020-21 (15% Escalation charges added)

- 2.78 Per plant 2017-18
- 3.19 Per plant 2018-19
- 3.67 Per plant 2019-20
- 4.22 Per plant 2020-21

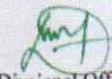
  
 Forest Divisional Officer  
 Kaghaznagar

-477  
PCA

**UNIT COST FOR ADVANCE OPERATIONS FOR CA SCHEME FOR 2017-18 UNDER LI METHOD-**  
(3m X 3m espacement) @ 1111 Per Ha

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit		Amount
	02.01.00	<b>Advance Operations</b>					
1	02.01.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform latest by December end.	1	326.59	1		327
2	02.01.02	Clearing unstable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tumiki, Chinta, Usuri, Nallajeedi etc.). Spreading the cut material all over the site, and Burning the same twice till completely burnt. All the above operations should be completed before December.					
		(b) Very Light Jungle Growth (>10% and upto 20% ground area covered with Jungle growth)	0.50	2728.52	1	Ha	1364
		(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.50	5468.03	1	Ha	2734
	02.01.03	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level. This operation is applicable for plantations other than Semi-Mechanical Plantation.	150.00	5.33	1	Rmt	800
4	02.01.04	Alignment and staking including demarcation of base line for b) 3X3 m espacement = 1111 planting points	1,111	77.91	100	Nos	866
5	02.01.05	Cost of preparation of stakes (0.45 m length) and transportation to site	1,111	49.67	100	Nos	552
6	02.01.06	Digging of Pits - Manual (As per RSSR): All efforts shall be made to complete pitting works before March-end. Under exceptional circumstances (if the target of plantation is given in the month of March-April), the pitting can be done during June and July. But any pitting done during June-July, plants can only be planted after the pits are verified by field inspections of FROs and DFOs of proper dimensions to avoid simultaneous pitting and planting which may result in higher percentage of casualties.					
		(a) Ordinary Soil					
		ii) 45 cm3 pit	1,111	19.69	1	Nos	21876
7		Digging of Staggered Contour Trenches (SCTs) for impounding rain water - Manual - Size: 3m Length, 0.45 m top-width, 0.30 m bottom-width and 0.45 m depth; earthwork volume per trench: 0.506 cum - Max. of 100 no. per ha. If they are made with machine, the works can be done by calling for tender. However, if they are intended to be done through machine, it has to be informed in advance. All the SCTs shall be completed before January.					
	02.01.08	Between January - March					
		(a) Loamy and clayey soil like BC soils, red earth and chowdu soil	50.60	254.60	1	Cum	12883
		<b>TOTAL</b>					<b>41402</b>

**UNIT RATE :**  
41402.00 As per FSR 2017-18

  
 Forest Divisional Officer,  
 Kaghaznagar

479

**UNIT COST FOR RAISING OF C.A. PLANTATION UNDER LABOUR INTENSIVE METHOD FOR 2018-19**  
(3m X 3m espacement) @ 1111 Per Ha

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (In Rs)	Per	Amount
1	2	3	4	5	6	7	8
<b>PLANTATION</b>							
<b>02.02.00 PLANTING OPERATIONS DURING RAISING YEAR</b>							
1	02.02.01	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km (b) 15 X 30 cm (6"X12") bag plants <i>From nursery to plantation site - Beyond 5 Km lead</i>	No.	1111	96.79	100	1075
2	02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance (b) 15 X 30 cm (6"X12") bag plants ( 3.38 x 20 = 67.60 )	No.	1111	67.60	100	751
3	02.02.04	Internal transportation to planting points on head loads 15 X 30 cm (6"X12") bag plants	No.	1111	80.06	100	889
<b>PLANTING: Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)</b>							
4	02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	No.	1111	34.25	100	381
5	02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (50 g x 1111/ 1000 /50 =1.111Bags)	Bag	1.2	500	1	600
<b>Planting</b>							
6	02.02.08	ii) 45 cm <sup>3</sup>	No.	1111	381.54	100	4239
7	02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy day and if there is no rains after planting for 1-2 days with prior written permission of Circle Head and under intimation to Head Office. Also the date of watering is to be recorded in plantation Journal (Refer PCCF Office Rc. No. 17309/2000/G1, Dt. 16.08.2005 - Circular No. 6B/2005/G1)	No.	1111	231	100	2566
<b>Replacement of Casualties</b>							
8	02.02.10	Replacement of Casualties: 20% during Raising Year . The casualty replacement should be done in 3 stages at an intervals of 15 days immediately after planting during raising year.					
7	02.01.06	a) Pitting (50% of Original Rate 19.69 x 50% = 9.845)	Each	222	9.845	1	2186
8	02.02.01	b) Transportation of Seedlings- up to 5Kms	No.	222	96.79	100	215
9	02.02.02	- 5 to 25Kms	No.	222	67.60	100	150
10	02.02.04	c) Internal transporation	No.	222	80.06	100	178
11	02.02.08	d) Planting	No.	222	381.54	100	847
<b>Application of Fertilizers</b>							
12	02.02.11	Cost of DAP @ 25 gm / planting point ( 1111 x 25 /1000/ 50 = 0.55)	Bag	0.55	1400	1	770
13	02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application	No.	1111	34.25	100	381
14	02.02.13	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	No.	1111	108.98	100	1211
15	02.02.14	b) 2nd circular weeding to a radius of 0.50 m around the plant after 90 days of planting (i.e. Sep - Oct)	No.	1111	108.98	100	1211
16	02.02.15	c) 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 ordinary soil	No.	1111	381.54	100	4239

← 481 →

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount	
1	2	3	4	5	6	7	8	
17	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)						
		(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.) (2 times X 1276.20=2552.40)	Ha	1	2552.4	1	2552	
18	02.02.17	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	No.	1111	108.35	199	1254	
19	02.02.18	<b>Brush-wood Fencing</b> around the Plantation area: <b>Thorny fencing</b> with sturdy thorn material of 10 cm. girth (at the butt end) and fixing in crow bar holes and strengthening with stone packing. The average height of fence should be 1.5 m and fencing material should be fixed in 2 rows (staggered) at 60 cm. apart. The fence should be tightened horizontally by tying with thorny reepers on both sides (as per RSSR)	Rmt	150	25.33	1	3800	
20	02.02.19	Enumeration of row-wise survival and average growth twice in the raising year - Number of plants planted and Number surviving (to be undertaken during October and March) 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 1.25 - 1.50 m at the end of the raising year.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher					0
21	02.02.20	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 90% survival at the end of raising year. (July to March) (8017/ 10 Ha = 802 per Ha)	Month	9	802	1	7218	
22		Preparation and fixing of plantation board of standered size 6'x3' with iron Angulars, guage 6 mm (Errected on 65 mm x 65 mm x 6 mm for length of 3.00 m) including construction of CC Bed.		1	A/A		500	
						<b>Total</b>	<b>37163</b>	

**UNIT RATE :**

37163.00 As per FSR 2017-18

42737.45 As per FSR 2018-19 (15% Escalation charges added)

42737 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar  


483

**UNIT COST FOR 1st YEAR MAINTENANCE OF C.A. PLANTATION FOR 2019-20 UNDER LABOUR INTENSIVE METHOD -(3m X 3m espacement) @ 1111 Per Ha**

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.03.00	<b>1<sup>ST</sup> YEAR MAINTAINANCE</b>					
	02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July. ( 1111 @ 25% = 278 Nos)					
1	02.01.06	a) Pitting ( Original Rate 19.69 )	No	278	19.69	1	5474
2	02.02.01	b) Transportation of Seedlings- up to 5Kms	No	278	96.79	100	269
3	02.02.02	b) - 5 to 25 Kms (20 Km x 3.38)	No	278	67.60	100	188
4	02.02.04	b) Internal transportation	No	278	80.06	100	223
5	02.02.08	d) Planting	No	278	381.54	100	1061
		<b>WEEDING &amp; SOIL WORKING (To be carried out after replacement of casualties are over)</b>					
6	02.03.02	a) 1 <sup>st</sup> Circular weeding to a radius of 0.50 m around the plant during July - Aug	100	1111	108.98	100	1211
7	02.03.03	b) 2 <sup>nd</sup> Circular weeding to a radius of 0.50 m around the plant during Sept - Oct	100	1111	108.98	100	1211
		c) 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)					
8	02.03.04	i) For ordinary soil	100	1111	381.53	100	4239
		<b>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 -</b>					
9	02.03.05	<b>High rainfall zone &gt; 800 mm (for Warangal, Khammam &amp; Adilabad Circle) ( 2 times x 1276.20 =2552.40 )</b>	ha	1	2552.40	1	2552
10	02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October.	100 Nos	1111	108.35	100	1204
11	02.03.07	Enumeration of row-wise survival and average growth twice in the raising year - Number of plants planted and Number surviving (to be undertaken during October and March) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m. it is prescribed that the minimum stocking	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
12	02.03.08	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival during 1st year maintenance period. ( 8017/ 10 Ha =802 per Ha)	Month	12	802	1	9624
					<b>Total</b>		<b>27256</b>

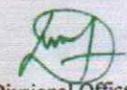
**UNIT RATE :**

27256.00 As per FSR 2017-18

31344.40 As per FSR 2018-19 (15% Escalation charges added)

36046.06 As per FSR 2019-20 (15% Escalation charges added)

OR 36046 Per Ha.

  
Forest Divisional Officer,  
Kaghaznagar

Kaghaznagar

- 485 -

**UNIT COST FOR 2nd YEAR MAINTENANCE OF C.A. PLANTATION FOR 2020-21 UNDER LABOUR  
INTENSIVE METHOD (3m X 3m espacement) @ 1111 Per Ha**

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
	2	3	4	5	6	7	8
	02.04.00	<b>SECOND YEAR MAINTAINANCE</b>					
		<b>WEEDING &amp; SOIL WORKING</b>					
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.	No	1111	381.54	100	4239
		a) For ordinary soil					
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indogenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with average minimum height of 2.5 - 3 m at the end of 1st year maintainance.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period. ( 8017/ 10 Ha =802 per Ha)	Month	12	802	1	9624
						<b>Total</b>	<b>18837</b>

**UNIT RATE :**

18837.00 As per FSR 2017-18  
 21662.55 As per FSR 2018-19 (15% Escalation charges added)  
 24911.93 As per FSR 2019-20 (15% Escalation charges added)  
 28648.72 As per FSR 2020-21 (15% Escalation charges added)

Or 28649 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar  
 

487

**UNIT COST FOR 3rd YEAR MAINTENANCE OF C.A. PLANTATION FOR 2021-22 UNDER LABOUR  
INTENSIVE METHOD (3m X 3m espacement) @ 1111 Per Ha**

Sl	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount	
1	2	3	4	5	6	7	8	
	02.04.00							
		<b>WEEDING &amp; SOIL WORKING</b>						
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211	
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.						
		a) For ordinary soil	No	1111	381.54	100	4239	
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)						
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552	
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher					0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. <b>Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period. (8017/ 10 Ha = 802 per Ha)</b>	Month	12	802	1	9624	
						<b>Total</b>	<b>18837</b>	

**UNIT RATE :**

18837.00 As per FSR 2017-18  
 21662.55 As per FSR 2018-19 (15% Escalation charges added)  
 24911.93 As per FSR 2019-20 (15% Escalation charges added)  
 28648.72 As per FSR 2020-21 (15% Escalation charges added)  
 32946.03 As per FSR 2021-22 (15% Escalation charges added)

OR 32946 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar

489 -

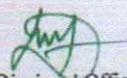
**UNIT COST FOR 4th YEAR MAINTENANCE OF C.A. PLANTATION FOR 2022-23 UNDER LABOUR INTENSIVE METHOD**  
(3m X 3m espacement) @ 1111 Per Ha

Sl No.	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.00						
		<b>WEEDING &amp; SOIL WORKING</b>					
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
		a) For ordinary soil	No	1111	381.54	100	4239
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. <b>Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period. (8017/ 10 Ha = 802 per Ha)</b>	Month	12	802	1	9624
						<b>Total</b>	<b>18837</b>

**UNIT RATE :**

- 18837.00 As per FSR 2017-18
- 21662.55 As per FSR 2018-19 (15% Escalation charges added)
- 24911.93 As per FSR 2019-20 (15% Escalation charges added)
- 28648.72 As per FSR 2020-21 (15% Escalation charges added)
- 32946.03 As per FSR 2021-22 (15% Escalation charges added)
- 37887.93 As per FSR 2022-23 (15% Escalation charges added)

OR 37888 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar

4911

**UNIT COST FOR 5<sup>th</sup> YEAR MAINTENANCE OF C.A. PLANTATION FOR 2023-24 UNDER LABOUR  
INTENSIVE METHOD (3m X 3m espacement) @ 1111 Per Ha**

Sl No.	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.00						
		<b>WEEDING &amp; SOIL WORKING</b>					
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.	No	1111	381.54	100	4239
		a) For ordinary soil					
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2 <sup>nd</sup> year is at least 80% stocking during 2 <sup>nd</sup> year of maintenance period. (8017/10 Ha = 802 per Ha)	Month	12	802	1	9624
						<b>Total</b>	<b>18837</b>

**UNIT RATE :**

18837.00 As per FSR 2017-18  
 21662.55 As per FSR 2018-19 (15% Escalation charges added)  
 24911.93 As per FSR 2019-20 (15% Escalation charges added)  
 28648.72 As per FSR 2020-21 (15% Escalation charges added)  
 32946.03 As per FSR 2021-22 (15% Escalation charges added)  
 37887.93 As per FSR 2022-23 (15% Escalation charges added)  
 43571.12 As per FSR 2023-24 (15% Escalation charges added)

OR 43571 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar

- 493 -

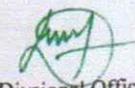
**UNIT COST FOR 6<sup>th</sup> YEAR MAINTENANCE OF C.A. PLANTATION FOR 2024-25 UNDER LABOUR INTENSIVE METHOD (3m X 3m espacement) @ 1111 Per Ha**

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount	
	2	3	4	5	6	7	8	
	02.04.00							
		<b>WEEDING &amp; SOIL WORKING</b>						
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211	
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.						
		a) For ordinary soil	No	1111	381.54	100	4239	
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)						
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552	
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan. ) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher					0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. <b>Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period. ( 8017/ 10 Ha =802 per Ha)</b>	Month	12	802	1	9624	
						<b>Total</b>	<b>18837</b>	

**UNIT RATE :**

- 18837.00 As per FSR 2017-18
- 21662.55 As per FSR 2018-19 (15% Escalation charges added)
- 24911.93 As per FSR 2019-20 (15% Escalation charges added)
- 28648.72 As per FSR 2020-21 (15% Escalation charges added)
- 32946.03 As per FSR 2021-22 (15% Escalation charges added)
- 37887.93 As per FSR 2022-23 (15% Escalation charges added)
- 43571.12 As per FSR 2023-24 (15% Escalation charges added)
- 50106.79 As per FSR 2024-25 (15% Escalation charges added)

OR 50107 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar

498

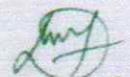
**UNIT COST FOR 7<sup>th</sup> YEAR MAINTENANCE OF C.A. PLANTATION FOR 2025-26 UNDER LABOUR  
INTENSIVE METHOD (3m X 3m espacement) @ 1111 Per Ha**

SI No.	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount	
1	2	3	4	5	6	7	8	
	02.04.00	<b>WEEDING &amp; SOIL WORKING</b>						
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211	
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211	
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.	No	1111	381.54	100	4239	
		a) For ordinary soil						
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)						
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552	
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintainance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher					0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. <b>Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintainance period. (8017/ 10 Ha = 802 per Ha)</b>	Month	12	802	1	9624	
						<b>Total</b>	<b>18837</b>	

**UNIT RATE :**

18837.00 As per FSR 2017-18  
 21662.55 As per FSR 2018-19 (15% Escalation charges added)  
 24911.93 As per FSR 2019-20 (15% Escalation charges added)  
 28648.72 As per FSR 2020-21 (15% Escalation charges added)  
 32946.03 As per FSR 2021-22 (15% Escalation charges added)  
 37887.93 As per FSR 2022-23 (15% Escalation charges added)  
 43571.12 As per FSR 2023-24 (15% Escalation charges added)  
 50106.79 As per FSR 2024-25 (15% Escalation charges added)  
 57622.81 As per FSR 2025-26 (15% Escalation charges added)

OR 57623 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar

497

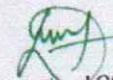
**UNIT COST FOR 8<sup>th</sup> YEAR MAINTENANCE OF C.A. PLANTATION FOR 2026-27 UNDER LABOUR INTENSIVE METHOD**  
(3m X 3m espacement) @ 1111 Per Ha

Sl No.	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.00						
		<b>WEEDING &amp; SOIL WORKING</b>					
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
		a) For ordinary soil	No	1111	381.54	100	4239
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. <b>Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period. (8017/ 10 Ha =802 per Ha)</b>	Month	12	802	1	9624
						<b>Total</b>	<b>18837</b>

**UNIT RATE :**

18837.00	As per FSR 2017-18
21662.55	As per FSR 2018-19 (15% Escalation charges added)
24911.93	As per FSR 2019-20 (15% Escalation charges added)
28648.72	As per FSR 2020-21 (15% Escalation charges added)
32946.03	As per FSR 2021-22 (15% Escalation charges added)
37887.93	As per FSR 2022-23 (15% Escalation charges added)
43571.12	As per FSR 2023-24 (15% Escalation charges added)
50106.79	As per FSR 2024-25 (15% Escalation charges added)
57622.81	As per FSR 2025-26 (15% Escalation charges added)
66266.23	As per FSR 2026-27 (15% Escalation charges added)

OR 66266 Per Ha.

  
Forest Divisional Officer,  
Kaghaznagar  
 

- 499 -

**UNIT COST FOR 9<sup>th</sup> YEAR MAINTENANCE OF C.A. PLANTATION FOR 2027-28 UNDER LABOUR INTENSIVE METHOD (3m X 3m espacement) @ 1111 Per Ha**

Sl No.	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.00						
		<b>WEEDING &amp; SOIL WORKING</b>					
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.					
		a) For ordinary soil	No	1111	381.54	100	4239
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. <b>Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period. ( 8017/ 10 Ha =802 per Ha)</b>	Month	12	802	1	9624
						<b>Total</b>	<b>18837</b>

**UNIT RATE :**

18837.00 As per FSR 2017-18  
 21662.55 As per FSR 2018-19 (15% Escalation charges added)  
 24911.93 As per FSR 2019-20 (15% Escalation charges added)  
 28648.72 As per FSR 2020-21 (15% Escalation charges added)  
 32946.03 As per FSR 2021-22 (15% Escalation charges added)  
 37887.93 As per FSR 2022-23 (15% Escalation charges added)  
 43571.12 As per FSR 2023-24 (15% Escalation charges added)  
 50106.79 As per FSR 2024-25 (15% Escalation charges added)  
 57622.81 As per FSR 2025-26 (15% Escalation charges added)  
 66266.23 As per FSR 2026-27 (15% Escalation charges added)  
 76206.16 As per FSR 2027-28 (15% Escalation charges added)

OR 76206 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar

501

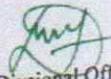
**UNIT COST FOR 10th YEAR MAINTENANCE OF C.A. PLANTATION FOR 2028-29 UNDER LABOUR INTENSIVE METHOD (3m X 3m espacement) @ 1111 Per Ha**

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	02.04.00						
		<b>WEEDING &amp; SOIL WORKING</b>					
1	02.04.01	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant during July - Aug.	No	1111	108.98	100	1211
2	02.04.02	b) 2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant during Sept. - Oct.	No	1111	108.98	100	1211
3	02.04.03	c) Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant during Nov. - Dec.	No	1111	381.54	100	4239
		a) For ordinary soil					
4	02.04.04	<b>Cutting of coppice growth</b> flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)					
		b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle) (2 x 1276.20 = 2552.40)	Ha	1	2552.40	1	2552
5	02.04.05	Enumeration of row-wise survival and average growth thrice in 2 <sup>nd</sup> Maintenance year - Number of plants planted and Number surviving (to be undertaken during June, Oct. and Jan.) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher				0
6	02.04.06	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. <b>Every month payment will be made after satisfaction by Plantation-in-charge that fence is in proper condition and incidence of grazing and fire is not there. The guiding principle of charging the Plantation Watcher in 2nd year is at least 80% stocking during 2nd year of maintenance period. (8017/ 10 Ha = 802 per Ha)</b>	Month	12	802	1	9624
						<b>Total</b>	<b>18837</b>

**UNIT RATE :**

18837.00 As per FSR 2017-18  
 21662.55 As per FSR 2018-19 (15% Escalation charges added)  
 24911.93 As per FSR 2019-20 (15% Escalation charges added)  
 28648.72 As per FSR 2020-21 (15% Escalation charges added)  
 32946.03 As per FSR 2021-22 (15% Escalation charges added)  
 37887.93 As per FSR 2022-23 (15% Escalation charges added)  
 43571.12 As per FSR 2023-24 (15% Escalation charges added)  
 50106.79 As per FSR 2024-25 (15% Escalation charges added)  
 57622.81 As per FSR 2025-26 (15% Escalation charges added)  
 66266.23 As per FSR 2026-27 (15% Escalation charges added)  
 76206.16 As per FSR 2027-28 (15% Escalation charges added)  
 87637.08 As per FSR 2028-29 (15% Escalation charges added)

OR 87637 Per Ha.

  
 Forest Divisional Officer,  
 Kaghaznagar

503

Scheme proposal for 53.103 KMs of Kowtala Segment -22/1 for Raising of low height evergreen shrubs with shallow roots to be planted at both sites of the pipe line @ 2m part under labour intensive method including of Nursery.

Sl No	Description of work	Unit	Qty	Rate (in Rs)	Per	Amount
1	3	4	5	6	7	8
1	Scheme proposal for 53.103 KMs of Kowtala Segment - 22/1 for Raising of low height evergreen shrubs with shallow roots to be planted at both sites of the pipe line @ 2m part under labour intensive method including of Nursery.	KM	53.103	0.812	1	43.120
	<b>Total</b>					<b>43.120</b>

  
Forest Divisional Officer,  
Kaghaznagar

- 505 -

ABSTRACT

Unit cost for 1.00 Km for Raising of low height evergreen shrubs with shallow roots to be planted at both sites of the pipe line @ 2m part under labour intensive method including of Nursery.

Sl No	Description of work	Unit	Qty	Rate (in Rs)	Per	Amount
		4	5	6	7	8
1	Raising of Nursery (including 20% Replacements of casualities)	Nos	1200	4.25	1	5100
2	Maintanace of Nursery (including 20% Replacements of casualities)	Nos	1200	2.02	1	2424
3	Raising of low height evergreen shrubs with shallow roots to be planted at both sites of the pipe line @ 2m part	Km	1	66279	1	66279
<b>Total</b>						<b>73803</b>
<b>Grand Total</b>						<b>7380</b>
4	Administrative Cost -10%			Per 1 KM		<b>81183</b>
<b>Or</b>						<b>81200</b>

  
 Forest Divisional Officer,  
 Kaghaznagar

**UNIT COST FOR RAISING OF 50,000 BAG PLANTS NURSERY FOR 2017-18 (size of bag 5"x 9")**

Sl. No.	FSR item No.	Nature of work	Qty	Rate	Unit	Amount	
	01.03	<b>BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in February - March. Hence the bags are to be filled during January-February when the soil is dry.</b>					
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary beds (Bed size: 10 X 1 M).					
	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	30	Bed	46.33	1	1390
		Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.					
	01.03.03	ii) 12.5 cm x 22.5 cm (5" x 9") size bags: 200 g 366 bags / kg	150	Kgs	182.00	1	27300
	0.1.03.04	<b>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.</b>					
		<b>Transportation of soil mixture ingredients</b>					
		a) Distance up to 5 km					
	01.03.05	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags	50000	Bags	348.16	1000	17408
		b) For every extra km beyond 5 km upto 25 km					
	01.03.06	12.5 cm x 22.5 cm (5" x 9") = 1.12 cum vol. for 1000 bags ( 20 Kms x 9.07 = 181.40)	50000	Bags	181.4	1000	9070
		<b>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.</b>					
	01.03.07	b) 12.5 cm x 22.5 cm (5" x 9") size bags: 1700 bags / bed	50000	Bags	872.5	10000	4363
	01.03.08	Allignment of beds including allignment of inspection paths etc	30	Bed	6.92	1	208
		Cost of Vavili ( Nurgundi) shrubs cutting including transportaion charges	As per actual				25000
	01.03.09	Pricking out seedlings from primary beds and transplanting into polybags	50000	Bags	128.88	1000	6444
	01.03.10	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	0	Bags	76.66	1000	0
	01.03.11	<b>Watering the plants twice a day from Feb to March</b>					
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe	0	Bed / 2-months	250.10	1	0
		b) Mechanically with sprinkler sets fitted all along the beds at a height of 75-100 cm height.	0	Bed / month	69.51	1	0.00
	01.03.12	Weeding the beds during March	0	Bed / weeding	45.93	1	0
	01.03.13	Shifting, Grading and rearranging in beds of 10x1 m size beds (2600 no. of 4"x7"bags; 1700 no. of 5"x9" bags) - One Grading in March	0	Bed / weeding	214.49	1	0
	01.03.14	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	3	Bed	60.90	1	183
	01.03.15	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from February to March	As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings.				1000
	01.03.16	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	By Nursery Watcher				0.00

- 509 -

Sl. No.	FSR item No	Nature of work	Qty	Rate	Unit	Amount	
	01.03.17	Weeding in the space between the beds, inspection path and surroundings of Nursery	30	Bed	31.3	1	939
	01.03.18	Maintenance of Root Trainer plants or 4"x7" or 5"x9" bag-plants - Watering the plants twice a day from September to - March- (7 months)	30	Bed / month	250.10	1	52521
	01.03.19	Weeding the beds ( 3 months)	30	Bed / weeding	45.93	1	4134
	01.03.20	Shifting, Grading and rearranging in beds of 10 m x1 m size beds (2600 no. of 4"x7"bags, 1700 no. of 5"x9" bags) - One Grading	30	Bed / shifting	214.49	1	6435
		Nursery Watcher from September to March for 7 Months	7	Month	8017	1	56119
		<b>Sub-total</b>		<b>Per 50000 Bags</b>			<b>212514</b>

**UNIT RATE :**

212514.00 As per FSR 2017-18

244391.10 As per FSR 2018-19 (15% Escalation charges added)

281049.77 As per FSR 2019-20 (15% Escalation charges added)

OR Per Plant

4.25 Per Plant - 2017-18

4.89 Per Plant - 2018-19

5.62 Per Plant - 2019-20

  
Forest Divisional Officer  
Kaghaznagar  


**UNIT COST FOR MAINTENANCE OF BAG PLANTS NURSERY FOR 2018-19 (size of bag 5"x 9")**

Sl. No.	FSR item No.	Nature of work	Qty	Rate	Unit	Amount	Remarks
	01.04.	<b>MAINTAINANCE YEAR OF NURSERY</b>					
		<b>MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST)</b> <i>for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X 9" bags; 1100 Nos. of 6" X 12" bags; 800 Nos. of 8" X 12" bags; 400 Nos. of 10" X 16" bags per bed)</i>					
	01.04.01	Watering polybag secondary beds twice a day for 4 months					
		a) Manually with rose spray or finely perforated nozzle attached to a hose pipe .	30	Bed / 4 months	250.10	1	30012
			30	Bed / weeding	45.93	1	1378
	01.04.02	Weeding <i>once</i> during maintenance year					
	01.04.03	Shifting, grading and re-arranging in beds for 10 m X 1 m size bed <i>max. two shifts</i> (one in April and another in June)	30	Bed / 2 times shifting	226.46	1	13588
	01.04.04	Application prophylactic foliar spray of 0.2% of Car/bendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from April to August) alternatively. Similarly, application of multiplex or NPK 19:19:19 (1 teaspoon in 1 lit water) - once in a month - to be applied by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	30	By Nursery Watcher			0
	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides (from April - August)	30	As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings			1000
	01.04.06	Cowdung Slurry application ( <i>One can apply chemical foliar spray or apply cowdung slurry - not both</i> )					
		(a) Cost and transportation of fresh cowdung	30	per 100 beds for 3 months	As per actual subject to maximum of Rs.2500/-		1000
		(b) Application of cowdung slurry - only once between April to June - <i>Watering should not be done 12 hours before and after application of cowdung slurry treatment.</i>		1000 bags	By Nursery Watcher		0
	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	30	Beds	25.28	1	758
	01.04.08	Contingencies for Maint. Year towards the expenditure like cost of hose pipe, nursery boards, electricity charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased.		As per actuals, subject to max. of 5% of estimate in Maint. Year			
		Nursery Watcher from April to August for 5 Months	5	Month	8017	1	40085
				<b>Per 50000 Bags</b>			<b>87821</b>

**UNIT RATE :**

87821.00 As per FSR 2017-18  
 100994.15 As per FSR 2018-19 (15% Escalation charges added)  
 116143.27 As per FSR 2019-20 (15% Escalation charges added)  
 133564.76 As per FSR 2020-21 (15% Escalation charges added)

1.76 Per plant 2017-18  
 2.02 Per plant 2018-19  
 2.32 Per plant 2019-20  
 2.67 Per plant 2020-21

  
 Forest Divisional Officer  
 Kaghaznagar

- 513 -

Unit cost for 1.00 Km for Raising of low height evergreen shrubs with shallow roots to be planted at both sites of the pipe line @ 2m part under labour intensive method for the year 2018-19 (As per FSR 2017.

18)

Sl	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
1	02.05.04	Alignment and Staking including demarcation of base line in 2X2 m espacement (2500 planting points)	No.	1,000	59.93	100	599
2	02.05.06	Cost of preparation of stakes (0.45 m length) and transportation to site	No.	1,000	49.67	100	497
3		Digging of Pits - Manual (As per RSSR). All efforts shall be made to complete pitting works before March-end. Under exceptional circumstances (if the target of plantation is given in the month of March-April), the pitting can be done during June and July. But any pitting done during June-July, plants can only be planted after the pits are verified by field inspections of FROs and DFOs of proper dimensions to avoid simultaneous pitting and planting which may result in higher percentage of casualties.					
	02.01.06	Between January - March					
		(a) Ordinary Soil		1,000	19.69	1	19690
		ii) 45 cm <sup>3</sup> pits					
	02.02.00	PLANTING OPERATIONS DURING RAISING YEAR					
4	02.02.01	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km					
		(a) 12.5 X 22.5 cm (5"X9") bag plants	No.	1000	43.47	100	435
		From nursery to plantation site - Beyond 5 Km lead					
5	02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance					
		(a) 12.5 X 22.5 cm (5"X9") bag plants ( 20 Km @ 1.79/ Km = 35.80 )	No.	1000	35.80	100	358
6	02.02.04	Internal transportation to planting points on head loads					
		(a) 12.5 X 22.5 cm (5"X9") bag plants	No.	1000	51.77	100	518
		PLANTING: Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)					
7	02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	No.	1000	34.25	100	343
8	02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (50 g x 1000/ 1000 /50 =1.0Bags)	Bag	1	500	1	500
9	02.02.08	Planting ii) 45 cm <sup>3</sup>	No.	1000	381.54	100	3815
10	02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy day and if there is no rains after planting for 1-2 days with prior written permission of Circle Head and under intimation to Head Office. Also the date of watering is to be recorded in plantation Journal (Refer PCCF Office Rc. No. 17309/2000/G1, Dt. 16.08.2005 - Circular No. 6B/2005/G1)	No.	1000	231	100	2310

515

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount	
1	2	3	4	5	6	7	8	
		<b>Replacement of Casualties</b>						
11	02.02.10	Replacement of Casualties: 20% during Raising Year. The casualty replacement should be done in 3 stages at an intervals of 15 days immediately after planting during raising year.						
12	02.01.06	a) Pitting (50% of Original Rate 19.69 x 50% = 9.845)	Each	200	9.845	1	1969	
13	02.02.01	b) Transportation of Seedlings- up to 5Kms	No.	200	43.47	100	87	
14	02.02.02	- 5 to 25Kms	No.	200	35.80	100	72	
15	02.02.04	c) Internal transportation	No.	200	51.77	100	104	
16	02.02.08	d) Planting	No.	200	381.54	100	763	
		<b>Application of Fertilizers</b>						
17	02.02.11	Cost of DAP @ 25 gm / planting point ( 25 gm x 1000 / 1000 / 50 = 0.50)	Bag	0.50	1400	1	700	
18	02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application	No.	1000	34.25	100	343	
19	02.02.13	a) 1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	No.	1000	108.98	100	1090	
20	02.02.14	b) 2nd circular weeding to a radius of 0.50 m around the plant after 90 days of planting (i.e. Sep - Oct)	No.	1000	108.98	100	1090	
21	02.02.15	c) 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 ordinary soil	No.	1000	381.54	100	3815	
22	02.02.19	Enumeration of row-wise survival and average growth twice in the raising year - Number of plants planted and Number surviving (to be undertaken during October and March) and entered in Plantation Journal. With so much inputs like nutrition, augmentation of moisture status by SCTs and other cultural operations; deploying indigenous forest species and planting of seedlings of minimum height of 0.75 - 1.0 m, it is prescribed that the minimum stocking of 90% with minimum average height of 1.25 - 1.50 m at the end of the raising year.	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher					0
23	02.15.23	Cost of Protection: One Plantation Watcher for every 4 km effective length and thereafter one for every 4 km. Raising Year: 9 months; 1 <sup>st</sup> year maint.: 12 months; and 2 <sup>nd</sup> Yr. maint.: 6 months. Photo identity of every each Plantation Watchers with the address shall be pasted in respective Plantation Journal. Every month, payment to Plantation Watcher will be made after satisfaction by Plantation-in-charge that fence is in proper condition, the casualties are located and replaced and damage to the plants either from fire or cattle does not occur. The guiding principle for continuation of the services of a Plantation Watcher is at least 90% survival at the end of raising year. ( 8017/ 4Km = 2004.00)	Month	9	2004	1	18036	
24		Preparation and fixing of plantation board of standard size 6'x3' with iron Angulars, guage 6 mm (Errected on 65 mm x 65 mm x 6 mm for length of 3.00 m) including construction of CC Bed.		1	A/A		500	
<b>Total</b>					<b>Per 1 KM</b>		<b>57634</b>	

**UNIT RATE :**

57634.00 As per FSR 2017-18

66279.10 As per FSR 2018-19 (15% Escalation charges added)

66279 Per KM

  
 Forest Divisional Officer,  
 Kaghaznagar  


Extraction and Transportation of tree growth charges to be collected from User agency i.e., Superintending Engineer, TDWSP (RWS&S) Circle, Nirmal in lieu of Diversion of 4.714 Ha of Forest land in Kaghaznagar Forest Division of erstwhile Adilabad District presently Komaram Bheem Asifabad District- for laying of Pipe Line and construction of Structures in Segment-22/1 (Kowtala)- under Telangana Drinking Water Supply Project

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate per		Amount
			4	5	6	7	
1	2	3	4	5	6	7	8
2	06.01.02	Total enumeration of trees	171	Nos	114.42	100	196
3	06.01.05	Measuring of timber/ poles and stumps	171	Nos	0.34	p No.	58
4	06.01.06	Collection and removal of debris	4,714	Ha	85.50	P Ha	403
5	06.01.07	Digit marking of stumps in illicitly felled trees in teak plantations.	0	Ha	1.93	p No.	0
6	06.01.08	Felling and conversion by saw	7,228	cum	368.89	P cum	2666
	06.01.11	Conversion of illicitly felled trees including those found during beat inspection including digiting on the stump, belting, measuring, painting and					
7		(i) Teak	0	cum	258.10	p cum	0
8		(ii) Non-Teak	7,228	cum	291.77	p cum	2109
9	06.01.14	Watch and ward charges at coupe (Timber and Fuel) ( As per average of minimum wage fixed by District Collectors in the state for unskilled labour)	2 x 2	Nos/Month	8017.00	P Month	32068
10	06.01.15	Dragging of timber to loading point - plain areas	0.000	Cum.	167.95	Cum.	0
11	06.01.16	Dragging of timber to loading point - moderate slope( from 10% to 30% slope)	7,228	Cum.	219.09	Cum.	1584
	06.02.	<b>TRANSPORTATION</b>					
	06.02.01	Preparation/repairs of Lorry/ Cart track NOTE: There should not be separate expenditure for preparation of lorry/cart track for timber, fuel, pole brought from the single area.	7,228	Cum.	66.70	Cum.	482
	06.02.03	<b>Transportation of timber by carts from beat / section Hq. including loading, unloading, dragging charges etc. - Upto 1st 10 Kms lead:</b>					
13		(a) Teak	0	Cum.	779.98	Cum.	0
14		(b) Non-Teak	7,228	Cum.	832.90	Cum.	6020
	06.02.04	Transportation of timber by carts from beat / section Hq. including loading, unloading, dragging charges etc. - 11 Kms to 30 Kms (per each KM)					
15		(a) Teak ( 10 Kms x 29.16= 291.60)	0	Cum.	291.60	Cum.	0
16		(b) Non-Teak ( 10 Kms x 32.08= 320.80)	0	Cum.	320.80	Cum.	0
19	06.02.06	Loading of timber into lorries	7,228	Cum.	293.43	Cum.	2121
20	06.02.07	Transportation of timber by private lorries ( upto 10 Km)	7,228	Cum.	526.00	Cum.	3802
21	06.02.08	Transportation more than 10 Km (add for each addl. 10 Km) (80 Km x 8.00 = 640.00)	7,228	Cum.	640.00	Cum.	4626
22	06.02.09	Unloading of timber	7,228	Cum.	106.03	Cum.	766
	06.03.	<b>LOTING AND CLASSIFICATION AT DEPOT</b>					
23	03.03.01	Depot numbering of logs with paints (including cost of paints)	5245	Piece	1.02	Piece	5350
24	06.03.02	Lotting of timber	7,228	Cum.	265.36	Cum.	1918
26	06.03.04	Grading and classification of timber	5245	Log.	0.68	Log.	3567
27	06.03.05	Belting and measuring.	7,228	Cum.	22.91	Cum.	166
28	06.03.06	Cost of paints for painting the lot boards	7,228	Cum.	11.6	Cum.	84
29	06.03.07	Electricity charges for Depot			Actuals		1500
30	03.03.08	Purchase of tapes, ropes & Stationery etc.,	7,228	Cum.	17.90	Cum.	129
	06.05.01	Misc. expenditure for conducting sales of timber, fuel, poles & bamboo including refreshment for bidders in the sale depots etc.,	2	Sale	3205.02	Sale	3205
		(a) Upto 150 CMT irrespective of quantity					
	06.05.02	Clearance of depot site in the month of November or December (per annum)	1	annum	620.98	annum	621

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate per		Amount
1	2	3	4	5	6	7	8
	06.04.00	<b>EXTRACTION OF FUEL WOOD</b>					
21	06.04.01	Felling, billeting and stacking of fire wood stacks of size 0.80M x 1.25 M x 1.0 Mt	70.777	Cum.	171.12	Cum.	12111
32	06.04.02	Collection of fuel at loading point	70.777	Cum.	28.69	Cum.	2031
33	06.04.03	Loading of fuelwood into lorries	70.777	Cum.	59.54	Cum.	4214
34	06.04.04	Unloading of fuel	70.777	Cum.	19.28	Cum.	1365
35	06.04.05	Splitting of fuelwood at retail sale depots	47.18	Tonnes	731.43	tonne	34512
	06.08.00	<b>EXTRACTION OF POLES</b>					
	06.08.01	Felling and conversion of poles in DET areas/ illicitly felled trees including those found in beat inspection and thinning areas:					
36		(a) Upto 30 cm basal girth	60	Poles	5.33	Per Pole	320
37		(b) 31 cms to 45 cms basal girth	0	Poles	11.34	Per Pole	0
38		(c) 46 cms to 60 cms basal girth	0	Poles	16.44	Per Pole	0
	06.08.02	<b>Loading .</b>					
		(i) Teak Poles :					
39		(a) Upto 30cms basal girth	0	Poles	5.1	Per Pole	0
40		(b) 31 cms to 45 cms basal girth	0	Poles	12.71	Per Pole	0
41		(c) 46 cms to 60 cms basal girth	0	Poles	22.8	Per Pole	0
	06.08.03	<b>(ii) Non-Teak poles:</b>					
42		(a) Upto 30 cms basal girth	60	Poles	5.33	Per Pole	320
43		(b) 31 cms to 45 cms basal girth	0	Poles	13.04	Per Pole	0
44		(c) 46 cms to 60 cms basal girth	0	Poles	23.81	Per Pole	0
	06.08.04	<b>Un-Loading .</b>					
		(i) Teak Poles :					
45		(a) Upto 30 cms basal girth	0	Poles	3.07	Per Pole	0
46		(b) 31 cms to 45 cms basal girth	0	Poles	4.77	Per Pole	0
47		(c) 46 cms to 60 cms basal girth	0	Poles	8.39	Per Pole	0
	06.08.05	<b>(ii) Non-Teak Poles :</b>					
48		(a) Upto 30 cms basal girth	60	Poles	3.29	Per Pole	197
49		(b) 31 cms to 45 cms basal girth	0	Poles	5.1	Per Pole	0
50		(c) 46 cms to 60 cms basal girth	0	Poles	8.96	Per Pole	0
	06.09.01	<b>For dragging, transportation including loading &amp; unloading of poles</b>					
		(i) Upto 10 Kms :					
51		(a) Upto 30 cms girth	60	Poles	1233.7	Per 100 poles	740
52		(b) 31 cms to 45 cms girth	0	Poles	3052.7	Per 100 poles	0
53		(c) 46 cms to 60 cms girth	0	Poles	6105.4	Per 100 poles	0
	06.09.02	<b>(ii) For each additional K.M. over 1st 10 Kms</b>					
54		(a) Upto 30 cms girth (for 10 Km x 67.10 per Km = 671.00)	60	Poles	671	Per 100 poles	403
55		(b) 31 cms to 45 cms girth	0	Poles	170.6	Per 100 poles	0
56		(c) 46 cms to 60cms girth	0	Poles	342.1	Per 100 poles	0
	06.10.00	<b>Classification &amp; lotting in Depots</b>					
57		(a) Upto 30 cms basal girth (135 poles=1 Cu.m.)	60	Poles	164.66	Per 100 poles	99
58		(b) 31 cms to 45 cms basal girth(40 poles=1Cum)	0	Poles	491.14	Per 100 poles	0
59		(c) 46 cms to 60 cms basal girth(20 poles=1Cum)	0	Poles	983.41	Per 100 poles	0
		<b>TOTAL</b>					<b>129752</b>
60		Administrative cost -10%					<b>12975</b>
							<b>142727</b>

As per FSR 2017-18 **142727**  
Or **143000**

Forest Divisional Officer,  
Kaghaznagar

- 521 -

**Status of the Payment made by User Agencies**

▼ **Help**

Click on **Proposal No.** to view Detail of proposal. Click on **Demand letter** to view Uploaded demand letter.

CA : Compensatory Afforestation; Addl CA : Additional Compensatory Afforestation; PCA : Penal Compensatory Afforestation; CAT : Catchment Area Treatment; Addl PA : Additional Charges for protected area; NPV : Net Present Value;

**To be Verified**

: This icon shows that the details of the Funds submitted by User Agency are yet to be verified by Nodal Officer.

**Verified**

: This icon shows that the demand has been verified by Nodal Officer.

**Challan Generated**

: This icon shows that the challan has been generated.

**Unpaid**

: This icon shows that the payment yet to be made.

**Paid**

: This icon shows that the payment has been made.

Proposals received on or after 15th July 2014  All Proposals received upto 14th July 2014

**Select Region :** Hyderabad  **Select State :** Telangana   
**Select User Agency :** Select   
**Payment Status :**  Paid  Unpaid  All  
**Bank Name :** --Select All--  **Mode of Payment :** --Select All--   
**Transaction Date (From) :**  **Transaction Date (To) :**   
**Enter value for Search :** 4.714   
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Sno.	Proposal Detail	Application_No	Date of IN-PRINCIPLE	Amount to be Paid/Amount Paid (in Rs.)	Payment Status	Payment Detail	Demand Letter
1	FP/TG/WATER/18191/2016 (../viewreport.aspx?pid=FP/TG/WATER/18191/2016) Telangana Water Grid - Segment No.22/1, Kowtala, Adilabad Dist - 4.714 Ha	WATER181912016244	07 Aug 2017	CA: 6878700/- Addl CA : 0/- PCA: 1362500/- CAT : 0/- Safety Zone: 0/- Addl PA : 0/- NPV: 3530381/- Total : 11771581/-	<input checked="" type="checkbox"/> Paid	<b>Fund Demand Verified by Nodal Officer On</b> 03 Aug 2018 <b>Bank Name</b> : Corporation Bank <b>Mode of Payment</b> : NEFT/RTGS (Challan) <b>Challan Generated On</b> : 03 Aug 2018 <b>Transaction Date</b> : 09 Aug 2018	Demand Letter (../writereaddata/Fundpdf/811312371212XWF26seg21.pdf) Generated Challan (../UserAccount/Neft_ChallanCorp.aspx?pid=WATER181912016244)



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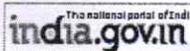


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