

KARNATAKA FOREST DEPARTMENT



**Indicative Cost Estimation for Raising and
Maintenance of Compensatory Afforestation as part
of Compliance of Conditions of Stage-I approved
(Based on KFD CSSR for 2020-21)**

ESTIMATE COST RS. 15.93 LAKHS/HA.

Diversion of 18.458 Ha. forest land in Sy. No. 6, 7, 8,
210 of Kallahalli, Sy. No. 152 of Siddapur, Sy. No. 13 of
Ramateertha & Sy. No. 9, 25, 36, 42 of Jamkhandi
village, Jamkhandi Taluk, Bagalkot District construction
of new 110 KV D/C line in the existing 110 KV
Mahalingpur to Jamkhandi S/C line Corridor for a
distance of 23.897 Kms. in favour of Executive
Engineer (Ele), Major Works Division, KPTCL, Bagalkot
Proposal No. FP/KA/TRANS/16981/2015

**Deputy Conservator of Forests,
Bagalkot Division, Bagalkot**

--	--

Particulars		Advance Work Year	Raising Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Grand Total
A: Advance Works														
1	Advance works (including raising of Pbs of 8"X 12" Size	49,39,361												49,39,361
B: Raising of plantation														
1	Raising plantation in advance worked area		27,24,401											27,24,401
2	Maintenance of seedling before planting (8"X 12" Size Pbs 1200 pbs @ Rs.6.94 each)		3,07,436											3,07,436
3	Raising nursery for replacement of casualties next year 10% (8"X 12" Size 100 Pbs @ Rs.22.83 each)		84,279											84,279
C: Maintenance of plantation (with Casualty Replacement, cultural operations and														
1	Maintenance of the plantation during 1st year			14,65,565										14,65,565
2	Maintenance of seedlings raised for casualty replacements (8"X 12" Size 100 Pbs @ Rs. 6.94=694.00)			25619 704										25,620
D: Maintenance of plantation (With cultural operations & manuring)					12,21,920									12,21,920
1	Maintenance of plantation during 2nd Year													
E: Maintenance of plantation (With Cultural operations but without manuring)						10,11,498								10,11,498
1	Maintenance of plantation during 3rd Year						10,11,498							10,11,498
2	Maintenance of plantation during 4th Year							10,11,498						10,11,498
3	Maintenance of plantation during 5th Year								10,11,498					10,11,498
F: Maintenance of plantation (Without cultural operations)														
1	Maintenance of plantation during 6th Year								2,99,020					2,99,020
2	Maintenance of plantation during 7th Year									2,99,020				2,99,020
3	Maintenance of plantation during 8th Year										2,99,020			2,99,020
4	Maintenance of plantation during 9th Year											2,99,020		2,99,020
5	Maintenance of plantation during 10th Year												2,99,020	2,99,020
Total: (A to F)		49,39,361	31,16,117	14,91,185	12,21,920	10,11,498	10,11,498	10,11,498	2,99,020	2,99,020	2,99,020	2,99,020	2,99,020	152,98,175
Total (A to F) Amount after taking 10 % escalation cost for each Year (Compounding factor at 10 %)		54,33,297	37,70,501	19,84,767	17,89,013	16,29,028	17,91,931	19,71,124	6,40,975	7,05,072	7,75,580	8,53,138	9,38,451	222,82,877
II	Soil and Moisture conservation measures (15% on total plantation cost)	33,42,432												33,42,432
III	Resurveying, redemarcation and other works for Section 4 notification (LS)	3,83,926												3,83,926
IV	Charlink fencing (Considering 200 meter average periphery) (33% escalation over rates adopted for 2019-20)	299,94,250												299,94,250
Total Advance Work Year to 10th Year of maintenance (II+III+IV)		391,53,905	37,70,501	19,84,767	17,89,013	16,29,028	17,91,931	19,71,124	6,40,975	7,05,072	7,75,580	8,53,138	9,38,451	660,03,488
Administration & Supervision charges @ 5% of above														35,250
Miscellaneous for rounding off														608,07,185
GRAND TOTAL														608,07,185

Deputy Conservator of Forests
 Bagalkot Division, Bagalkot

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief

(500 Trenches of size 4 m x 0.5m x 0.5m per hectare; 1000 Seedlings @2 plants per Trench)

Deputy Conservator of Forests
Bagalkot Division, Bagalkot

DATA SHEET FOR RAISING OF 8" X 12" SIZED WOVEN BAG SEEDLINGS

Sl. No.	SSR Item No.	Particulars of Works	Quantity	Rate (Rs.) Per Unit	Amount (Rs.)
1	By Tender	Cost of HDPE woven sack bags including GST	1000 Bags	4.5	4,500.00
2	14(a)	Procurement of 4.20 cum. of ingredients i.e. farmyard manure/compost, sand and red earth in 1:1:2 proportion	1000 PBs	3,273.36	3,273.36
3	14(b)	Mixing the ingredients, filling the polythene bags and arranging in rows after scraping the earth	1000 PBs	3,103.13	3,103.13
4	LS/RQ	cost of quality seeds/ Quality Planting Material	500 PBs	327.18	163.59
5	14(d)	Pricking out the seedlings from seed beds and transplanting in the PBs	500 PBs	319.03	159.52
6	Sub Est.	Raising of 4"x6" seedlings (Transplanting seedlings)	500 PBs	3.11	1,555.00
7	14(e)	Transplanting of 4"x6" or 5"x8" size bagged seedlings into 8"x12" size bags after removal of the seedlings along with the trimmed ball of earth	500 PBs	319.03	159.52
8	14(f)	Watering to the Polythene bagged seedlings twice a day from 01-09-2019 to 31-03-2020 for 212 days (Limited to 183 days)	183 PBs Da	44.04	8,059.32
9	14(g)	Weeding the polythene-bagged seedlings	1000 4 PBs Tir	134.7	538.80
10	14(h)	Shifting & grading the polythene-bagged seedlings	1000 2 PBs Tir	382.91	765.82
11	LS/RQ	Cost of application of pesticides/fungicides biofertilisers, diesel bill, repairs to pumpset, electricity bills, nursery dev.Charges.	1000 PBs	546.95	546.95
12	LS/RQ	Miscellaneous, Unforeseen & rounding off	LS		5.00
Sub Total (I)					22,830.00

DATA SHEET FOR MAINTENANCE OF 8" X 12" SIZED WOVEN BAG SEEDLINGS

Sl. No.	SSR Item No.	Particulars of Works	Quantity	Rate (Rs.) Per Unit	Amount (Rs.)
1	14(f)	Watering to the Polythene bagged seedlings twice a day from 1st April 2019 for 120 days	120 PBs da	44.04	5,284.80
2	14(g)	Weeding the polythene-bagged seedlings	1000 2 PBs Tir	134.7	269.40
3	14(h)	Shifting & grading the polythene-bagged seedlings	1000 3 PBs Tir	382.91	1,148.73
4	LS/RQ	Electricity charges, diesel charges, maintenance charges of nursery, etc. and Misc.	LS		237.07
Sub Total (II)					6,940.00
Total (I + II)					29,770.00

Deputy Conservator of Forests
Bagalkot Division, Bagalkot

(500 Trenches; 1000 Seedlings per hectare)

Sl. No.	SSR Item No.	Particulars of Works	Quantity	Rate (Rs.) Per Unit	Amount (Rs.)
---------	--------------	----------------------	----------	---------------------	--------------

Deputy Conservator of Forests
Bagalkot Division, Bagalkot

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests.]

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests.]

[illegible]

D : DATA SHEET FOR 2nd YEAR MAINTENANCE OF CA PLANTATION

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost.]

[illegible]

E: DATA SHEET FOR 3rd/4th/5th YEAR MAINTENANCE CA PLANTATION

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost.]

[illegible]

F: DATA SHEET FOR 6th/ 7th/ 8th/ 9th/ 10th YEAR MAINTENANCE CA PLANTATION

[Note: All Data Sheet items are only indicative. Necessary site-specific modification wherever required can be made by the Chief Conservator of Forests of the Circle within the overall Unit Cost.]

[illegible]

FORMAT – C

CA LAND SUITABILITY CERTIFICATE UNDER FCA 1980

(Cases where compensatory afforestation is to be taken up in double the extent of forest land diverted in degraded/deemed forest area)

In compliance of the procedure established for diversion of forest land for non-forest purpose through the Forest Conservation Rules 2003 and guidelines framed under the Forest (Conservation) Act (FCA) 1980, the following is certified.

1. The Degraded/deemed forest land parcel (s) proposed for raising compensatory afforestation (CA) in forest land diversion proposal Number of FP/KA/TRANS/16981/2015 Executive Engineer (Electrical), Major Works division, Karnataka Power Transmission Corporation Limited (KPTCL) Navanagar Bagalkot-587103 for diversion of 18.458 hectare of forest land in Bagalkot Division has been inspected by me on 23/09/19. The details of the said land parcel are shown in the table hereunder.
2. The said degraded forest CA land parcel is suitable for Raising of Compensatory Afforestation in accordance with Government of India FC guidelines F. No. 11-423/2011-FC dated 08-11-2017 read with general FC Guidelines.
3. The KML file(s), Topo Map, Geo-reference Map & GPS readings of all corners of the proposed degraded forest land parcel(s) have been uploaded in Part-II of the proposal.
4. The KML files, Topo Maps, Geo-reference Map & GPS readings of all corners of the proposed degraded forest land parcels have been uploaded by the User Agency in Part-I of the proposal.

District, Taluk & Hobli	Details of the Degraded Forest			Extent proposed A-G (Ha)
	Name of forest	Village	Survey Number	
1	2	3	4	5
Bagalkot, Jamkhandi taluk, Jamkhandi Hobli	Reserved Forest	Jamkhandi	42	36.916

Deputy Conservator of Forests
Bagalkot Division, Bagalkot