

**GOVERNMENT OF ASSAM  
DEPARTMENT OF ENVIRONMENT & FORESTS  
OFFICE OF THE CONSERVATOR OF FORESTS:  
NORTHERN ASSAM CIRCLE: TEZPUR**

No. FNAC.27/Diversion/Genl/2022/ 3706

Dtd 16/08/22

From: The Conservator of Forests,  
Northern Assam Circle, Tezpur.

To

The Divisional Forest Officer,  
Sonitpur East Division, Biswanath Chariali.

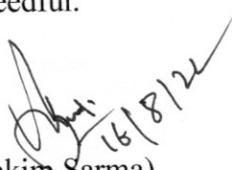
Sub: Technical approval for plantation of Dwarf Species in 1 Ha. area.

Ref: Your letter No. FSET/A/Esstt/2022/1918, dtd. 16/08/2022.

The estimate for plantation of Dwarf Species in 1 Ha. area against Diversion of 7.971 Ha. Forest land for construction of 132 kv EHT single circuit tower from AEGCL GSS to NF Railway Gohpur TSS in connection with RNY MZS Railway Electrification under your Division amounting to Rs. 1,19,27,760/- Rupees (One crore nineteen lakhs twenty seven thousand seven hundred and sixty) only upto 10<sup>th</sup> year maintenance as submitted by you vide your letter under reference is hereby technically approved.

The approved estimate is returned herewith for your needful.

Enclo: As stated above.

  
(Bankim Sarma)  
Conservator of Forests  
Northern Assam Circle, Tezpur

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GOVT. OF ASSAM  
DEPARTMENT OF ENVIRONMENT & FORESTS  
OFFICE OF THE DIVISIONAL FOREST OFFICER  
SONITPUR EAST DIVISION, BISWANATH CHARIALI:784176

Email id : [dfo.t.soniteast@gmail.com](mailto:dfo.t.soniteast@gmail.com)

Letter No. FSET/A/Esstt/2022/1918

Date: 16/08/2022

To

The Conservator of Forests,  
Northern Assam Circle,  
Tezpur.

Sub: Technical approval for Plantation of Dwarf Species in 1 Ha area.

Sir,

With reference to the subject cited above, I have the honour to submit herewith a scheme for Plantation of Dwarf Species in 1 Ha area against Diversion of 7.971 Ha Forest land for construction of 132 kv EHT single circuit transmission line on double circuit tower from AEGCL GSS to NF Railway Gohpur TSS in connection with RNY MZS Railway Electrification under Sonitpur East Division, Biswanath Chariali and request you to kindly issue technical approval for the same.

This is for favour of your kind information and necessary approval.  
Encl: As stated above.

Yours faithfully

Divisional Forest Officer  
Sonitpur East Division  
Biswanath Chariali



**SCHEME FOR DWARF SPECIES PLANTATION IN 1 HA AREA UNDER SONITPUR EAST DIVISION**

*(Construction of 132 KV EHT single circuit transmission line on double circuit tower from AEGCL Gohpur GSS to NF Railway Gohpur TSS in connection with RNY MZS Railway Electrification)*

Total effective area of transmission line in Gohpur RF : (2953 M X 27 M) = 7.971 HA

Total effective area of transmission line in Sonitpur East Division. : 7.971 ha

Tree cutting shall be allowed in two strips of 3 meters width each below both the conductors. Hence total area available for plantation : (3 M+3 M) X 2953 = 1.772 HA

As per MoEF guideline, among two strips, one 3 meters outer strip shall be left clear to permit maintenance of transmission line. Hence, free space for dwarf species plantation. : 5.285/2 = 0.886 HA

Space for foundation of 11 Nos. of Towers in Forest Area : (11 Nos. X 12 M X 3 M) = 0.04 Ha

**Total area to be covered by dwarf plantation** : 0.886 ha - 0.04 ha  
: **0.846 ha (Say 1 ha)**

Size of block : 1.0 ha

Spacing of plantation : 2 M X 2 M

Total No. of seedlings per block : 2500/ha X 1 = 2500 Nos.

<b>Name of Species</b>	Bagnala ( <i>Litsea glutinosa</i> ) Agar ( <i>Aquilaria malaccensis</i> ) Satmul ( <i>Asparagus racemosus</i> ) Chukchini ( <i>Smilax glabra</i> ) Satkara ( <i>Citrus macroptera</i> ) Amlokh ( <i>Emblica officinalis</i> ) Ashoka ( <i>Saraca asoca</i> ) Kordoi ( <i>Averrhoa carambola</i> ) Bhatghila ( <i>Oroxylum indicum</i> )
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I ESTIMATE FOR 1 (ONE) BLOCK PLANTATION (1 HA)								
S. No.	Particular	Qty	Unit	Rate	Amount (Rs.)	GST	Labour Cess	Total Amount
A	Advance work							
1	Site selection survey, demarcation, jungle cutting, burning etc. 16 DLs/ ha @ Rs. 320/-	16	DLs	320	₹ 5,120			₹ 5,120
2	Procurement of stacking materials & making in to sticks & fixing at site @ 10 DLs/ ha @Rs. 320/-	10	DLs	320	₹ 3,200			₹ 3,200

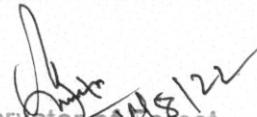
3	Cost of full G. P. F. fencing with 2 line barbed wire to be fitted on RCC pillars at 2Mt. apart including labour for 5978 RM @ 720 per RM.	5978	DLs	1260	₹ 75,32,280				₹ 75,32,280
4	Wages of DLs for carrying, fitting, fixing etc of the fencing material complete as directed @ 25 DLs/ ha	25	DLs	320	₹ 8,000				₹ 8,000
5	Cost of tools. Implements, sign boards etc including filling, fixing etc @ 500/- per ha.	1	L.S.	500	₹ 500				₹ 500
					<b>TOTAL FOR ADVANCE WORK</b>	<b>₹ 75,49,100</b>	<b>₹ 10,60,649</b>	<b>₹ 75,491</b>	<b>₹ 86,85,240</b>
<b>B</b>	<b>1st year creation of Plantation and Maintenance (@ Rs. 320/DLs)</b>								
1	Procurement of polypot seedling @ Rs. 10/- from departmental nursery to the plantation site.	2500	L.S.	10	₹ 25,000				₹ 25,000
2	Transportation of polypot seedling from existing departmental nursery to the plantation site.		L.S.		₹ 4,000				₹ 4,000
3	Wages for planting with misselleneous spp. Like Amlokhi, G. Neem, Kordoi, Sonaru etc with 3 M X 3 M spacing including carriage of seedling to the plantation site 20 DLs/ha	20	DLs	320	₹ 6,400				₹ 6,400
4	5 weeding, vacancy filling etc 18DLs/ha/weeding	90	DLs	320	₹ 28,800				₹ 28,800
5	Fire line protection @ 2 DLs/ ha	2	DLs	320	₹ 640				₹ 640
6	Watering of seedlings @ 26 DLs/ha	26	DLs	320	₹ 8,320				₹ 8,320
					<b>TOTAL FOR 1st YEAR</b>	<b>₹ 73,160</b>			<b>₹ 73,160</b>
<b>C</b>	<b>2nd year maintenance (@ Rs. 275/DLs)</b>								
1	5 weeding, vacancy filling etc 18DLs/ha/weeding	90	DLs	352	₹ 31,680				₹ 31,680
2	Procurement of 500 Nos. of polypot seedlings @ Rs. 10/- per seedling for vacancy filling.	500	DLs	10	₹ 5,000				₹ 5,000
3	Watering of seedlings @ 26 DLs/ha	26	DLs	352	₹ 9,152				₹ 9,152
4	Fire line protection @ 2 DLs/ ha	2	DLs	352	₹ 704				₹ 704
5	Manuring of the seedlings @ Rs. 1000/ha	1	L.S.	1000	₹ 1,000				₹ 1,000
					<b>TOTAL FOR 2nd YEAR</b>	<b>₹ 47,536</b>			<b>₹ 47,536</b>
<b>D</b>	<b>3rd year maintenance (@ Rs. 303/DLs)</b>								
1	5 weeding, vacancy filling etc 18DLs/ha/weeding	90	DLs	387	₹ 34,848				₹ 34,848
2	Procurement of 500 Nos. of polypot seedlings @ Rs. 10/- per seedling for vacancy filling.	500	DLs	10	₹ 5,000				₹ 5,000
3	Watering of seedlings @ 26 DLs/ha	26	DLs	387	₹ 10,067				₹ 10,067
4	Repairing of fencing where necessary 3DLs/ ha	3	DLs	387	₹ 1,162				₹ 1,162
5	Fire line protection @ 2 DLs/ ha	2	DLs	387	₹ 774				₹ 774
6	Manuring of the seedlings @ Rs. 1000/ha	1	L.S.	1000	₹ 1,000				₹ 1,000
					<b>TOTAL FOR 3rd YEAR</b>	<b>₹ 52,851</b>			<b>₹ 52,851</b>
<b>E</b>	<b>4th year maintenance (@ Rs. 333/DLs)</b>								

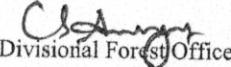
Chandigarh

1	5 weeding, vacancy filling etc 18DLs/ha/weeding	90	DLs	426	₹ 38,333			₹ 38,333
2	Fire line protection @ 2 DLs/ ha	2	DLs	426	₹ 852			₹ 852
3	Manuring of the seedlings @ Rs. 1000/ha	1	L.S.	1000	₹ 1,000			₹ 1,000
					<b>TOTAL FOR 4th YEAR</b>	<b>₹ 40,185</b>		<b>₹ 40,185</b>
<b>F</b>	<b>5th year maintenance (@ Rs. 366/DLs)</b>							
1	5 weeding, vacancy filling etc 18DLs/ha/weeding	90	DLs	469	₹ 42,166			₹ 42,166
2	Fire line protection @ 2 DLs/ ha	2	DLs	469	₹ 937			₹ 937
3	Manuring of the seedlings @ Rs. 1000/ha	1	L.S.	1000	₹ 1,000			₹ 1,000
					<b>TOTAL FOR 5th YEAR</b>	<b>₹ 44,103</b>		<b>₹ 44,103</b>
<b>G</b>	<b>6th year maintenance (@ Rs. 403/DLs)</b>							
1	Climber cutting & upkeeping @ 6 DLs/ha	6	DLs	515	₹ 3,092			₹ 3,092
2	Fire line protection @ 2 DLs/ ha	2	DLs	515	₹ 1,031			₹ 1,031
3	Repairing of fencing where necessary 3DLs/ ha	3	DLs	515	₹ 1,546			₹ 1,546
4	Control burning 4 DLs/ha	4	L.S.	403	₹ 1,612			₹ 1,612
					<b>TOTAL FOR 6th YEAR</b>	<b>₹ 7,281</b>		<b>₹ 7,281</b>
<b>H</b>	<b>7th year maintenance (@ Rs. 443/DLs)</b>							
1	Prunning 6 DLs/ha	6	DLs	567	₹ 3,401			₹ 3,401
2	Fire line protection @ 2 DLs/ ha	2	DLs	567	₹ 1,134			₹ 1,134
3	Control burning 4 DLs/ha	4	L.S.	567	₹ 2,268			₹ 2,268
					<b>TOTAL FOR 7th YEAR</b>	<b>₹ 6,803</b>		<b>₹ 6,803</b>
<b>I</b>	<b>8th year maintenance (@ Rs. 487/DLs)</b>							
1	Prunning 6 DLs/ha	6	DLs	624	₹ 3,742			₹ 3,742
2	Fire line protection @ 2 DLs/ ha	2	DLs	624	₹ 1,247			₹ 1,247
3	Control burning 4 DLs/ha	4	L.S.	624	₹ 2,494			₹ 2,494
					<b>TOTAL FOR 8th YEAR</b>	<b>₹ 7,483</b>		<b>₹ 7,483</b>
<b>J</b>	<b>9th year maintenance (@ Rs. 536/DLs)</b>							
1	Prunning 6 DLs/ha	6	DLs	686	₹ 4,116			₹ 4,116
2	Fire line protection @ 2 DLs/ ha	2	DLs	686	₹ 1,372			₹ 1,372
3	Control burning 4 DLs/ha	4	L.S.	686	₹ 2,744			₹ 2,744
					<b>TOTAL FOR 9th YEAR</b>	<b>₹ 8,231</b>		<b>₹ 8,231</b>
<b>K</b>	<b>10th year maintenance (@ Rs. 589/DLs)</b>							
1	Prunning 6 DLs/ha	6	DLs	755	₹ 4,527			₹ 4,527
2	Fire line protection @ 2 DLs/ ha	2	DLs	755	₹ 1,509			₹ 1,509
3	Control burning 4 DLs/ha	4	L.S.	755	₹ 3,018			₹ 3,018
					<b>TOTAL FOR 10th YEAR</b>	<b>₹ 9,055</b>		<b>₹ 9,055</b>
					<b>TOTAL PROJECT COST FOR TEN (10) YEARS (For 1 Block of 1 ha area)</b>	<b>₹ 78,45,788</b>		<b>₹ 89,81,927</b>
<b>II</b>	<b>Watch and Ward Expenditure</b>							
1	Wages of watch and ward 1 No. for 365 days (1st year)	365	DLs	320	₹ 1,16,800			₹ 1,16,800
2	Wages of watch and ward 1 No. for 365 days (2nd year)	365	DLs	352	₹ 1,28,480			₹ 1,28,480
3	Wages of watch and ward 1 No. for 365 days (3rd year)	365	DLs	387	₹ 1,41,328			₹ 1,41,328
4	Wages of watch and ward 1 No. for 365 days (4th year)	365	DLs	426	₹ 1,55,461			₹ 1,55,461

5	Wages of watch and ward 1 No. for 365 days (5th year)	365	DLs	469	₹ 1,71,007			₹ 1,71,007
6	Wages of watch and ward 1 No. for 365 days (6th year)	365	DLs	515	₹ 1,88,108			₹ 1,88,108
7	Wages of watch and ward 1 No. for 365 days (7th year)	365	DLs	567	₹ 2,06,918			₹ 2,06,918
8	Wages of watch and ward 1 No. for 365 days (8th year)	365	DLs	624	₹ 2,27,610			₹ 2,27,610
9	Wages of watch and ward 1 No. for 365 days (9th year)	365	DLs	686	₹ 2,50,371			₹ 2,50,371
10	Wages of watch and ward 1 No. for 365 days (10th year)	365	DLs	755	₹ 2,75,408			₹ 2,75,408
<b>TOTAL FOR WATCH AND WARD FOR TEN (10) YEARS</b>					<b>₹ 18,61,491</b>			<b>₹ 18,61,491</b>
<b>III</b>	<b>Overhead Expenditure (10% of Total Expenditure)</b>							<b>₹ 10,84,342</b>
								<b>Grand Total (I+II+III) = ₹ 1,19,27,760</b>
(Rupees One Crore Nineteen Lakhs Twenty Seven Thousand Seven Hundred and Sixty Only)								

Technically Approved.

  
Conservator of Forest  
Northern Assam Circle, Tezpur

  
Divisional Forest Officer  
Sonitpur East Division  
Divisional Forest Officer  
Biswanath Chariali  
Sonitpur East Division  
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