



GOVT. OF ASSAM

OFFICE OF THE DIVISIONAL FOREST OFFICE :: GOALPARA DIVISION
GOALPARA

Email: dfo.t.goalpara@gmail.com

No. B/GLP/DFO (T)/Diversion Proposal/Railway/ 6215

dtd. 10/11/2022

To,

The Chief Project Director,
Central Organisation for Railway Electrification,
Maligaon, Guwahati - 781011

Sub:- Proposal for diversion of 18.028 ha. Forest land for construction and Commissioning of 132 KV Transmission line from Agia GSS to Goalpara TSS in Rakshyani PRF under Goalpara Forest Division, Goalpara in favour of Central Organization for Railway Electrification: Demand note for payment of NPV, CA, Dwarf species plantation, departmental operation of trees & pillar fixation charges.

Ref:- 1. Proposal No. FP/AS/TRANS/142618/2021.
2. MoEF, Gol letter no. 3 ASC 093/2022-GHY/2964 - 2965 dated 1st Sept 2022.
3. FG.27/FCA/Proposal/Transmission Line/Railway/Goalpara Divn dated 09.09.2022.

Sir,

With reference to the subject cited above, please find enclosed herewith the estimated cost of NPV, CA and Dwarf species plantation against the proposal for diversion of **18.028 ha.** Forest land within **Rakshyani Proposed Reserve Forest** for construction and Commissioning of **132 KV Transmission line from Agia GSS to Goalpara TSS by Central Organization for Railway Electrification** in Goalpara Forest Division.

The detail breakup of the cost is as follows:

1. Compensatory Afforestation over 36.06 ha.	: Rs. 2,29,35,037/-
2. Over head cost	: Rs. 1,14,67,519/-
3. Cost of NPV over 18.028 ha.	: Rs. 2,01,35,473/-
4. Cost of Dwarf Species Plantation	: Rs. 0,39,46,464/-

Total Amount : Rs. 5,84,84,493/-

You are requested to deposit an amount of **Rs. 5,84,84,493/- (Rupees Five Crore Eighty Four Lakhs Eighty Four Thousand Four Hundred Ninety three)** only to the account of CAMPA through e-portal by generating e-challan on the web portal (<https://parivesh.nic.in>) as mentioned in condition no (2), (3) of the In Principle approval letter.

Also furnished herewith the estimated cost of departmental tree extraction including felling, logging and transportation etc. along with the estimated cost of pillar posting for demarcation of forest area (attached as annexure-1) w.r.t. 18.028 ha. Forest land proposed for diversion in **Rakshyani Proposed Reserve Forest** of Goalpara Forest Division and one Bolero vehicle along with POL for supervision of implementation of Forest Diversion Proposal and for anti-Elephant Depredation duty.

The detail breakup of cost is as follows:

1. Estimated cost for departmental operation of trees : Rs. Nil
2. Estimated cost for pillar fixation (corridor demarcation) : Rs. 3,27,750/-

Total Amount : Rs. 3,27,750/-

Therefore, you are requested to deposit an amount of Rs. **3,27,750/-** (Rupees **Three Lakhs Twenty Seven Thousand Seven Hundred Fifty**) only as per condition no. (11), (12) mentioned in the In Principal approval letter to State Bank of India, Goalpara Branch (Account No. 33433578565, IFSC: SBIN0000082) in favour of the Divisional Forest Officer, Goalpara Division (T), Goalpara at the earliest and also furnish one Bolero vehicle along with POL for supervision of implementation of Forest Diversion Proposal and for anti-Elephant Depradation duty in that area.

This is for your information and necessary action.

Enclo :- As stated above.

Yours faithfully,


(Jitendra Kumar, IFS)
Divisional Forest Officer
Goalpara :: Division ✓

Memo No. A/GLP/DFO (T)/Diversion Proposal/Railway/ 2318 - 19

dtd. 10/11/2022

Copy to:-

1. The chief Conservator of Forests & Nodal Officer (FCA), O/o the Principal Chief Conservator of Forests & HoFF, Aranya Bhawan, Panjabari, Guwahati – 37 for favour of his kind information.
2. The Addl chief Conservator of Forests I/C CCF, Central Assam Circle, Basishtha Guwahati – 29 for favour of his kind information.


Divisional Forest Officer
Goalpara :: Division ✓



GOVERNMENT OF ASSAM

OFFICE OF THE CHIEF CONSERVATOR OF FORESTS (T):: CENTRAL ASSAM CIRCLE
GUWAHATI-29

No. FG.24/CAC/Rail Trans/Rakhyasini PRF/2022

Date: 11.10.2022

✓ To

The Divisional Forest Officer,
Goalpara Division,
Goalpara

Sub: Technical approval

Ref: Your letter No. A/GLP/DFO(T)/Railway/Technical Approval/2095, dtd,29-09-2022.

With reference to your letter under reference, the estimate for proposed Compensatory Afforestation Plantation (as per New Norms) for 25.06 ha and 11 ha Afforestation (Artificial Regeneration) at Guriajhar RF under Cetral Range, Krishnal for construction and commissioning of 132 KV Transmission line from Agia GSS to Goalpara TSS in Rakhayashing PRF is returned herewith after according technical approval by the undersigned.

Enclo: As stated above.

(Sandeep Kumar, IFS)
Addl. Principal Chief Conservator of Forests
I/C Central Assam Circle
Guwahati-29

Copy(E-mail)to:

1. Principal Chief Conservator of Forests & HoFF, Assam, Aranya Bhawan, Guwahati-37 for favour of kind information.
2. Principal Chief Conservator of Forests (T), Lower Assam Circle, Basistha, Guwahati-29 for favour of kind information.
3. Additional Principal Chief Conservator of Forests & Chief Executive Officer (CAMP), Assam, Lankeswar, Jalukbari, Guwahati-14 for favour of kind information.
4. Chief Conservator of Forests & Nodal Officer (FC Act), Assam, O/o the Principal Chief Conservator of Forests & HoFF, Assam, Panjabari, Guwahati-37

(Sandeep Kumar, IFS)
Addl. Principal Chief Conservator of Forests
I/C Central Assam Circle
Guwahati-29

Estimate for 11 Ha Afforestation (Artificial Regeneration) at Guria/ha RZ under Centart Range, Vrindhal

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Area (ha)		11						
Spacing (m X m)		2 X 2						
Number of Saplings/ ha		2500						
Length of Fence (RM)		2277.19						
Wage rate for the 1st year (Rs.)		820						
Increase in wage rate for subsequent years by a factor		1.1						
Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit	Amount (Rs.)	Applicable rate of GST/Cess etc. (Rs.)		Total Amount (In Rs.)
						GST	Labour Cess	
A ERECTION OF FENCING								
(a) Cost of full chain link fencing (4' ht with 10 gauge 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be filled on pre-cast RCC pillars of specific specification and size (2.1m x 0.125mx 0.125m) as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 2277.19 RM @ Rs.1706/RM as per estimate.	RMs		2277.19	1706	3884886.14			
Sub total					3884886.14			3884886.14
B INFRASTRUCTURE IN PLANTATION AREA								
Cost of tools and implements.	Set		1	10000	10000			
Cost of RCC signboard & Gate including fitting and fixing of the same.	Nos.		1	40000	40000			
Sub total					50000	6000	500	56500
C ADVANCE WORK (including site nursery)								
Raising of Nursery for creation including vacancy filling for 3 (three) years (25% + 15% + 10%) and site nursery mortality 15% by using polypots.	Nos.	4125	45375	10	453750			
Site selection, Surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	440	320	140800			
Sub total					594550			594550
D CREATION								
Soil working, carriage of stumps, polypot seedling and planting at the plantation site including dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 50 DLs/ ha	DLs	50	550	320	176000			
Sub total					176000			176000
E 1st YEAR MAINTENANCE								
4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	1100	320	352000			
Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	2	730	320	233600			
Contingency	LS				10000			
Sub total					595600			595600

Kum
Divisional Forest Officer (T)
Goalpara Division.

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2nd YEAR MAINTENANCE						
4 weeding, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	100	1100	352	387200	
Vacancy filling by 1 year old seedlings from nursery @ 28 DLs/ha	DLs	28	308	352	108416	
Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	362	128480	
Contingency	LS				8000	
Sub total					632096	632096
G 3rd YEAR MAINTENANCE						
4 weeding, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	80	880	387	340560	
15% Vacancy filling by 2 year old saplings from nursery @ 23 DLs/ha	DLs	23	253	387	97911	
Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	387	141255	
Contingency	LS				8000	
Sub total					587726	587726
H 4th YEAR MAINTENANCE						
3 weeding, fire protection works @ 15 DLs/ha/weeding.	DLs	45	495	426	210870	
10% Vacancy filling by 3 year old seedlings from nursery @ 20 DLs/ha	DLs	20	220	426	93720	
Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	426	155490	
Contingency	LS				8000	
Sub total					468080	468080
I 5th YEAR MAINTENANCE						
Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	495	469	232155	
Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	469	171185	
Contingency	LS				8000	
Sub total					411340	411340
J 6th YEAR MAINTENANCE						
Repairing of chainlink fencing.	LS				25000	
1st mechanical thinning of alternate single strips in the plantation: 1250 nos. of stems/ha.	DLs	62	682	516	351912	
Climber cutting, other Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	110	516	56760	
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000	
Contingency	LS				9000	
Sub total					447672	447672

[Signature]
Divisional Forest Officer (T)
Goalpara Division.

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2 nd YEAR MAINTENANCE									
Timber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	110	568	62480				
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub total					72480			72480	
3 rd YEAR MAINTENANCE									
Timber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	110	625	68750				
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub total					78750			78750	
4 th YEAR MAINTENANCE									
Timber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	110	688	75680				
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub total					85680			85680	
5 th YEAR MAINTENANCE									
Timber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	110	757	83270				
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub total					93270			93270	
Total					8184630.14				
Over Head Cost (50% of Compensatory Afforestation)					4092315.07				
Grand Total					12276945.21				

Say Rs. 12276945.00

- NO :
- * Subject to actual measurement in the field.
 - * Subject to revision of scheduled of rates.
 - The rates of fencing have been considered from CPWD norms as per Delhi Scheduled rates 2021.

Kum
Divisional Forest Officer
Goalpara Division.

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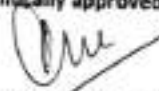
Abstract

Details	(Amount in Rs.)
erection of fencing	3884886.14
Infrastructure in Plantation Area	56500.00
Advance works	594550.00
Creation	176000.00
1st year maintenance	595600.00
2nd year maintenance	632096.00
3rd year maintenance	587726.00
4th year maintenance	468080.00
5th year maintenance	411340.00
6th year maintenance	447672.00
7th year maintenance	72480.00
8th year maintenance	78750.00
9th year maintenance	85680.00
10th year maintenance	93270.00
Total	8184630.14
50% Over Head Cost of Compensatory	4092315.07
Grand Total	12276945.21

Say Rs. 12276945.00

(In Words Rupees One Core Twenty Two Lakhs Seventy Six Thousand Nine Hundred Forty Five Only)

Technically approved.

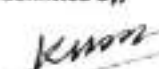


Addl. Principal Chief Conservator of Forests

I/C. Central Assam Circle

Basistha, Guwahati-29

Submitted by,



Divisional Forest Officer
Goalpara Division (T)
Goalpara Division

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S

Details	(Amount in Rs.)
erection of fencing	3884886.14
nfrastructure in Plantation Area	56500.00
Advance works	594550.00
Creation	176000.00
1st year maintenance	595600.00
2nd year maintenance	632096.00
3rd year maintenance	587726.00
4th year maintenance	468080.00
5th year maintenance	411340.00
6th year maintenance	447672.00
7th year maintenance	72480.00
8th year maintenance	78750.00
9th year maintenance	85680.00
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Total	8184630.14
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Grand Total	12276945.21

Say Rs. 12276945.00

(In Words Rupees One Core Twenty Two Lakhs Seventy Six Thousand Nine Hundred Forty Five Only)

Technically approved.

Addl. Principal Chief Conservator of Forests

I/C. Central Assam Circle

Basistha, Guwahati-29

Submitted by,

Divisional Forest Officer
Goalpara Division (T)
Goalpara Division

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Estimate for 25.06 Ha Afforestation (Artificial Regeneration) at Guriahar RF under Central Range, Krishnai

Estimate for 25.06 Ha Afforestation (Artificial Regeneration) at Guriahar RF under Central Range									
		Area (ha)		25.06					
		Spacing (m X m)		2 X 2					
		Number of Saplings/ ha		2500					
		Length of Fence (RM)		3328.1					
		Wage rate for the 1st year(Rs.)		320					
		Increase in wage rate for subsequent years by a factor		1.1					
S.N o.	Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit	Amount (Rs.)	Applicable rate of GST/Cess etc. (Rs.)		Total Amount (in Rs.)
							GST	Labour Cess	
A	ERECTION OF FENCING								
	(a) Cost of full chain link fencing (4' ht with 10 gauge 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be filled on pre-cast RCC pillars of specific specification and size (2.1m x 0.125m x 0.125m) as per detail specification attached at 2.5 m apart, including transportation, fitting and fixing for 3328.1 RM @ Rs. 1706/RM as per estimate.	RMs		3328.1	1706	5677738.6			
	Sub total					5677738.6			5677738.6
B	INFRASTRUCTURE IN PLANTATION AREA								
	Construction of camp hut with installation of ring well/tube well.	Nos.		1	225000	225000			
	Cost of tools and implements.	Set		1	10000	10000			
	Cost of RCC signboard & Gate including fitting and fixing of the same.	Nos.		1	40000	40000			
	Camp accessories @ Rs. 10,000/- per camp	Nos.		1	10000	10000			
	Sub total					285000	34200	2850	322050
C	ADVANCE WORK (including site nursery)								
	Raising of Nursery for creation including vacancy filling for 3 (three) years (25% + 15% + 10%) and site nursery mortality 15% by using polypots.	Nos.	4125	103125	10	1031250			
	Site selection, Surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	1002.4	320	320768			
	Sub total					1352018			1352018
D	CREATION								
	Soil working, carriage of stumps, polypot seedling and planting at the plantation site including dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 50 DLs/ha	DLs	50	1250	320	400000			
	Sub total					400000			400000
E	1st YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	2506	320	801920			

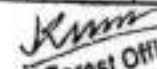
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Divisional Forest Officer (T)
Goalpara Division.

	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	2	730	320	233600			
	Contingency	LS				10000			
	Sub total					1045520			1045520
F	2 nd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	2506	352	882112			
	25% Vacancy filling by 1 year old seedlings from nursery @ 28 DLs/ha	DLs	28	702	352	246991.36			
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	2	730	352	256960			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records and other misc. work.	LS				10000			
	Contingency	LS				10000			
	Sub total					1406063.4			1406063.4
G	3 rd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	80	2005	387	775857.6			
	15% Vacancy filling by 2 year old saplings from nursery @ 23 DLs/ha	DLs	23	576	387	213059.06			
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	2	730	387	282510			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				10000			
	Sub total					1296426.7			1296426.7
H	4 th YEAR MAINTENANCE								
	3 weedings, fire protection works @ 15 DLs /ha/weeding.	DLs	45	1128	426	480400.2			
	10% Vacancy filling by 3 year old saplings from nursery @ 20 DLs/ha	DLs	20	501	426	213511.2			
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	426	155490			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				10000			
	Sub total					864401.4			864401.4
I	5 th YEAR MAINTENANCE								
	Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	1128	469	528891.3			

Kumari
 Divisional Forest Officer (T)
 Goalpara Division.

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	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (1 DLs for 365 days).	DLs	1	365	469	171185			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				10000			
	Sub total					715076.3			715076.3
J	6th YEAR MAINTENANCE								
	Repairing of chainlink fencing.	LS				25000			
	1st mechanical thinning of alternate single strips in the plantation: 1250 nos. of stems/ha.	DLs	62	1554	516	811719.52			
	Climber cutting, other Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	251	516	129309.6			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					970029.12			970029.12
K	7th YEAR MAINTENANCE								
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	251	568	142340.8			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					152340.8			152340.8
L	8th YEAR MAINTENANCE								
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	251	625	156625			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					166625			166625
M	9th YEAR MAINTENANCE								
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	251	688	172412.8			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					182412.8			182412.8
N	10th YEAR MAINTENANCE								


 Divisional Forest Officer (T)
 Goalpara Division.

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Timber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	251	757	189704.2			
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
Contingency	LS				5000			
Sub total					199704.2			199704.2
Total						14750406.32		
Over Head Cost (50% of Compensatory Afforestation)						7375203.16		
Grand Total						22125609.48		

Say Rs. 22125610.00

NOTE:

- *Subject to actual measurement in the field.
- **Subject to revision of scheduled of rates.
- ***The rates of fencing have been considered from CPWD norms as per Delhi Scheduled rates 2021.

Abstract

Details	(Amount in Rs.)
Erection of fencing	5677738.60
Infrastructure in Plantation Area	322050.00
Advance works	1352018.00
Creation	400000.00
1st year maintenance	1045520.00
2nd year maintenance	1406063.40
3rd year maintenance	1296426.70
4th year maintenance	864401.40
5th year maintenance	715076.30
6th year maintenance	970029.12
7th year maintenance	152340.80
8th year maintenance	166625.00
9th year maintenance	182412.80
10th year maintenance	199704.20
	14750406.32
50% Over Head Cost of Compensatory Afforestation	7375203.16
Grand Total	22125609.48

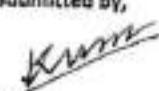
Say Rs. 22125610.00

(In Words Rupees Two Crore Twenty One Lakhs Twentty Five Thousand Six Hundred Ten Only)

Technically approved.


Addl. Principal Chief Conservator of Forests
I/C. Central Assam Circle
Basiltha, Guwahati-29

Submitted by,


Divisional Forest Officer (T)
Goalpara Division, Goalpara



GOVERNMENT OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER :: GOALPARA DIVISION
GOALPARA

NET PRESENT VALUE

N.P.V. – Value on the basis of density as per Hon'ble Supreme Court latest order category ECO class I open forest (18.028 ha. $\times$ 11,16,900/-) = Rs. 2,01,35,473/-

(Rupees Two Core One Lakhs Thirty Five Thousand Four Hundred Seventy Three) only


Divisional Forest Officer (T)
Goalpara Division ✓



GOVERNMENT OF ASSAM
OFFICE OF THE CHIEF CONSERVATOR OF FORESTS (T) - CENTRAL ASSAM CIRCLE
BASTIHA, GUWAHATI-29

No. AC/25/CAC/Rail Trans/Rakhyasini PRF/2022.

Date: 15-06-2022

To:
The Divisional Forest Officers,
Goalpara Division,
Goalpara

Subject: Technical Approval of Dwarf Species/Medicinal Plantation.

Ref: Your letter No.A/GLP/DFO(T)/Technical Approval/1300-04, dtd. 01/06/2022.

With reference to your letter cited above, the estimate for dwarf Species/Medicinal Plantation of 5000 sq. area of Block Plantation under Trierumam line corridor under Goalpara Forest Division is returned to you by trainamam line to Guwahati. The estimate is returned herewith a technical approval by the undersigned.

For the As stated above,

(Sandeep Kumar, IPS)
Addl. Principal Chief Conservator of Forests
I/C Central Assam Circle
Guwahati-29

Copy to the Addl. Principal Chief Conservator of Forests (T), Lower Assam Zone, Guwahati-29 for favour of kind information.

Addl. Principal Chief Conservator of Forests
I/C Central Assam Circle
Guwahati-29

15-06-2022

SCHEME FOR DWARE SPECIES/MEDICINAL PLANTATION IN 2.003 HA. AREA UNDER TRANSMISSION LINE CORRIDOR UNDER GOALPARA FOREST DIVISION

(DIVERSION OF 18.028 HA. FOREST LAND FOR 132 KV TRANSMISSION LINE FROM AGIA GSS TO GOALPARA TSS AT RAKHYASHINI PRF UNDER GOALPARA FOREST DIVISION)

Total effective area of transmission line in Rakhyashini PRF : $(6677.04 \text{ M} \times 27 \text{ M}) = 18.028 \text{ HA}$

Total effective area of transmission line in Goalpara Forest Division : 18.028 ha.

Tree cutting shall be allowed in two strips of 3 meters width each below both the conductors. Hence total area available for plantation : $(3 \text{ M} + 3 \text{ M}) \times 6677.04 = 4.0 \text{ HA}$

Among two strips, one 3 meters outer strips shall be left clear to permit medicinal activities of transmission line. Hence, free space for medicinal planation shall be : $4.0/2 = 2.0 \text{ ha.}$

Total area to be covered by medicinal plantation

Estimate for 2 Ha. Block Plannation

Spacing of plantation

: $3 \text{ M} \times 3 \text{ M}$

Total No. of seedling per block

: $1100/\text{ha.} \times 2 = 2200 \text{ Nos.}$

ESTIMATE FOR 1 (ONE) BLOCK PLANTATION (2 HA)					
S	Particular	Qty	Unit	Rate	Amount (Rs.)
A	Advance work				
1	Site selection survey, demarcation, jungle cutting, burning etc. @ 12 DLs/ha. Total 12 DLs @ Rs. 320/-	32	DLs	320	₹ 10,240.00
2	Procurement of stacking materials & making in to sticks & fixing at site @ 10 DLs/ha. Total 20 DLs @ Rs. 320/-	20	DLs	320	₹ 6,400.00
3	Cost of full G.P.F. fencing with 2 line barbed wire to be fitted on RCC pillars at 2M apart including labour for 600 RM @ 720 per RM.	600	DLs	720	₹ 432,000.00
4	Wages of DLs for carrying, fitting, fixing etc of the fencing material complete as directed @ 25 DLs/ha for 2 ha = 50 DLs	50	DLs	320	₹ 16,000.00
5	Cost of tools, implements, sign boards etc including filling, fixing etc @	2	L.S.	500	₹ 1,000.00
	TOTAL FOR ADVANCE WORK				₹ 465,640.00
B	1st year creation of Plantation and Maintenance (@ Rs. 320/DLs)				
1	Procurement of polypot seedling @ Rs. 7/- from departmental nursery to	2200	L.S.	7	₹ 15,400.00
2	Transportation of polypot seedling from existing departmental nursery to		L.S.		₹ 4,000.00
3	Wages for planting with miscellaneous spp. Like Amlakhi, G. Neem, Kus	40	DLs	320	₹ 12,800.00
4	Excavating, vacancy filling etc 30DLs/ha = 60 DLs	60	DLs	320	₹ 19,200.00
5	Exc. line protection @ 2 DLs/ha	4	DLs	320	₹ 1,280.00
6	Watering of seedlings @ 26 DLs/ha	52	DLs	320	₹ 16,640.00
	TOTAL FOR 1st YEAR				₹ 69,320.00
C	2nd year maintenance (@ Rs. 352/DLs)				
1	Excavating, vacancy filling etc 30DLs/ha = 60 DLs	60	DLs	352	₹ 21,120.00
2	Procurement of 500 Nos. of polypot seedlings @ Rs. 7/- per seedling for	500	DLs	7	₹ 3,500.00

1	Watering of seedlings at 26 DLs/ha	52	DLs	352	₹ 18,304.00
1	Fire line protection at 2 DLs/ha	4	DLs	352	₹ 1,408.00
1	Manuring of the seedlings at Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00
TOTAL FOR 2nd YEAR					₹ 46,332.00
10	3rd year maintenance (@ Rs. 387/DLs)				
1	Weeding, vacancy filling etc 30DLs/ha = 60 DLs	60	DLs	387	₹ 23,220.00
1	Procurement of 500 Nos. of polyplot seedlings @ Rs. 7/- per seedling for	500	DLs	7	₹ 3,500.00
1	Watering of seedlings at 26 DLs/ha	52	DLs	387	₹ 20,124.00
1	Repairing of fencing where necessary 3DLs/ha	6	DLs	387	₹ 2,322.00
1	Fire line protection at 2 DLs/ha	4	DLs	387	₹ 1,548.00
1	Manuring of the seedlings at Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00
TOTAL FOR 3rd YEAR					₹ 52,714.00
1	4th year maintenance (@ Rs. 426/DLs)				
1	Weeding, vacancy filling etc 30DLs/ha = 60 DLs	60	DLs	426	₹ 25,560.00
1	Fire line protection at 2 DLs/ha	4	DLs	426	₹ 1,704.00
1	Manuring of the seedlings at Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00
TOTAL FOR 4th YEAR					₹ 29,264.00
1	5th year maintenance (@ Rs. 468/DLs)				
1	Weeding, vacancy filling etc 27DLs/ha = 54 DLs	54	DLs	468	₹ 25,272.00
1	Fire line protection at 2 DLs/ha	4	DLs	468	₹ 1,872.00
1	Manuring of the seedlings at Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00
TOTAL FOR 5th YEAR					₹ 29,144.00
1	6th year maintenance (@ Rs. 515/DLs)				
1	Timber cutting & upkeep at 6 DLs/ha = 12 DLs	12	DLs	515	₹ 6,180.00
1	Fire line protection at 2 DLs/ha	4	DLs	515	₹ 2,060.00
1	Repairing of fencing where necessary 3DLs/ha	6	DLs	515	₹ 3,090.00
1	Control burning 4 DLs/ha	8	L.S.	515	₹ 4,120.00
TOTAL FOR 6th YEAR					₹ 15,450.00
1	7th year maintenance (@ Rs. 566/DLs)				
1	Pruning 6 DLs/ha	12	DLs	566	₹ 6,792.00
1	Fire line protection at 2 DLs/ha	4	DLs	566	₹ 2,264.00
1	Control burning 4 DLs/ha	8	L.S.	566	₹ 4,528.00
TOTAL FOR 7th YEAR					₹ 13,584.00
1	8th year maintenance (@ Rs. 623/DLs)				
1	Pruning 6 DLs/ha	12	DLs	623	₹ 7,476.00
1	Fire line protection at 2 DLs/ha	4	DLs	623	₹ 2,492.00
1	Control burning 4 DLs/ha	8	L.S.	623	₹ 4,984.00
TOTAL FOR 8th YEAR					₹ 14,952.00
1	9th year maintenance (@ Rs. 685/DLs)				
1	Pruning 6 DLs/ha	12	DLs	685	₹ 8,220.00
1	Fire line protection at 2 DLs/ha	4	DLs	685	₹ 2,740.00
1	Control burning 4 DLs/ha	8	L.S.	685	₹ 5,480.00
TOTAL FOR 9th YEAR					₹ 16,440.00
1	10th year maintenance (@ Rs. 754/DLs)				
1	Pruning 6 DLs/ha	12	DLs	754	₹ 9,048.00
1	Fire line protection at 2 DLs/ha	4	DLs	754	₹ 3,016.00
1	Control burning 4 DLs/ha	8	L.S.	754	₹ 6,032.00
TOTAL FOR 10th YEAR					₹ 18,096.00
TOTAL PROJECT COST FOR TEN (10) YEARS (For 1 Block of 2 ha area)					₹ 7,70,936.00
For 1 Block of 2 ha area		Rs.	7,70,936.00		
Total for 2.0 ha (Effective area of plantation)		Rs.	7,70,936.00		

B	Watch and Ward Expenditure				
1	Wages of watch and ward I No. for 365 days (1st year)	365	DLs	320	₹ 116,800.00
1	Wages of watch and ward I No. for 365 days (2nd year)	365	DLs	352	₹ 128,480.00
1	Wages of watch and ward I No. for 365 days (3rd year)	365	DLs	387	₹ 141,255.00
1	Wages of watch and ward I No. for 365 days (4th year)	365	DLs	426	₹ 155,490.00
1	Wages of watch and ward I No. for 365 days (5th year)	365	DLs	468	₹ 170,820.00
1	Wages of watch and ward I No. for 365 days (6th year)	365	DLs	515	₹ 187,975.00
1	Wages of watch and ward I No. for 365 days (7th year)	365	DLs	566	₹ 206,590.00

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Wages of watch and ward 1 No. for 365 days (8th year)	365	DLs	623	₹ 227,395.00
Wages of watch and ward 1 No. for 365 days (9th year)	365	DLs	685	₹ 250,025.00
Wages of watch and ward 1 No. for 365 days (10th year)	365	DLs	754	₹ 275,210.00
TOTAL FOR WATCH AND WARD FOR TEN (10) YEARS				₹ 1,860,040.00
Total : (Rs. 7,70,936.00 + 18,60,040.00) = Rs. 26,30,976.00				
Overhead Expenditure 50% of total cost				₹ 13,15,488.00
Grand Total				₹ 39,46,464.00
(Rupees Thirty Nine Lakhs Forty Six Thousand Four Hundred Sixty Four Only)				
S. 11 The above estimation has been done on the presumption of Annual wages enhancement of 10% from the prevailing wages rate				

Approved & Technically Sanctioned

(Sandeep Kumar, IFS)
 Asst. Principal Chief Conservator of Forests
 CG Central Assam Circle
 Guwahati - 29

Submitted

Divisional Forest Officer (M)
 Goalpara Division
 Goalpara

Project: Construction and commissioning of 132KV Transmission line from Agia GSS to Goalpara TSS in Rakhayashini PRF under Goalpara Division in favour of Central Organization for Railway Electrification, Guwahati.

A. Estimate for Departmental Tree Operation (felling, dragging, carrying etc.)

Extraction cost of trees = Nil (Since no felling required)

B. Estimate for R.C.C. pillar purchasing, carrying, fitting, fixing etc. in 27-meter wide corridor for 6677.04 meter long distance under the proposed transmission line at Rakhayashini PRF.

1. No. of R.C.C. pillars required to be posted at every 50 meters for demarcation of 6677.04 mtr length of the corridor (Size 5" X4" X 6') (including 5 % loss during transportation of Pillars from construction place to fixing place) = 285 Nos
2. Cost of purchasing 285 nos. Pillars @ Rs. 600/- per pillar = ₹ 1,71,000/-
3. Loading, unloading and carrying of pillars @ Rs. 300/- per pillar = ₹ 85,500/-
4. Soil digging, fitting, fixing pillars @ Rs. 250/- per pillar = ₹ 71,250/-

Total = Rs. 3,27,750/-

(Rupees Three Lakh Twenty Seven Thousand Seven Hundred Fifty Only)

C. One Bolero vehicle along with 25 lt. POL per day for supervision of implementation of Forest Diversion Proposal and for anti-Elephant Depradation duty.


Divisional Forest Officer (T),
Goalpara Division, Goalpara ✓