

12-10-22

Sun
Kumar
11/10/2022



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

No. FG.4/CAC/Sterlite Power/Technical Approval/Goal/2022-23 Date: 11.10.2022

To: ✓
The Divisional Forest Officer,
Goalpara Division,
Goalpara

Sub: Technical approval

Ref: Your letter No. A/GLP/DFO(T)/ Sterlite Power/Technical Approval/2102-05, dtd,30-09-2022.

With reference to your letter cited above, the estimate for proposed Compensatory Afforestation Plantation in 4 (four) plots of area measuring 10 ha. at Dolongdoba RF under Rangjuli Range, 10 ha. at Nalbari under Lakhipur Range, 25 ha. at Guriajhar RF under Central Range, Krishnai and 39 ha. at Zangarajangsa RF under Central Range, Krishnai (total 84.0 ha) with 10 years maintenance along with estimate for 3.0 Ha. Dwarf Species/Medicinal Plantation against the diversion proposal for an area of 41.747 ha for construction of 400 KV D/C Bongaigaon-Nangalbibra by Sterlite Power Transmission Ltd. 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 10 Ha Afforestation (Artificial Regeneration) at Dolongdoba RF under Rangjuli Range									
	Area (ha)	10							
	Spacing (m X m)	2 X 2							
	Number of Saplings/ ha	2500							
	Length of Fence (RM)	1332							
	Wage rate for the 1st year(Rs.)	320							
	Increase in wage rate for subsequent years by a factor	1.1							
S.No.	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 guage 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 1332 RM @ Rs. 1706/RM as per estimate.	RMs		1332	1706	2272392			
	Sub total					2272392			2272392
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	41250	10	412500			
	Site selection, Surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	400	320	128000			
	Sub total					540500			540500
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	500	320	160000			
	Sub total					160000			160000
E	1st YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	1000	320	320000			
	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					563600			563600
F	2nd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	1000	352	352000			
	25% Vacancy filling by 1 year old seedlings from nursery @ 28 DLs/ha	DLs	28	280	352	98560			
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	1	365	352	128480			
	Contingency	LS				8000			
	Sub total					587040			587040
G	3rd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	80	800	387	309600			
	15% Vacancy filling by 2 year old saplings from nursery @ 23DLs/ha	DLs	23	230	387	89010			
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	1	365	387	141255			
	Contingency	LS				8000			
	Sub total					547865			547865
H	4th YEAR MAINTENANCE								
	3 weedings, fire protection works @ 15 DLs /ha/weeding.	DLs	45	450	426	191700			
	10% Vacancy filling by 3 year old seedlings from nursery @ 20 DLs /ha	DLs	20	200	426	85200			
	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					440390			440390


 Divisional Forest Officer (T)
 Goalpara Division.

5 th YEAR MAINTENANCE									
	Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	450	469	211050			
	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					390235			390235
J 6 th 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	620	516	319920			
	Climber cutting, other Silvicultural works and fire protection works @10 DLs/ha	DLs	10	100	516	51600			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				9000			
	Sub total					410520			410520
K 7 th YEAR MAINTENANCE									
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	568	56800			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					66800			66800
L 8 th YEAR MAINTENANCE									
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	625	62500			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					72500			72500
M 9 th YEAR MAINTENANCE									
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	688	68800			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					78800			78800
M 10 th YEAR MAINTENANCE									
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	757	75700			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					85700			85700
Total						6272842			
Over Head Cost (50% of Compensatory Afforestation)						3136421			
Grand Total						9409263			

Say Rs. 9409263.00

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.

Kmm
Divisional Forest Officer (T)
Goalpara Division.


Abstract

Details	Amount in Rs.
Erection of fencing	2272392.00
Infrastructure in Plantation Area	56500.00
Advance works	540500.00
Creation	160000.00
1st year maintenance	563600.00
2nd year maintenance	587040.00
3rd year maintenance	547865.00
4th year maintenance	440390.00
5th year maintenance	390235.00
6th year maintenance	410520.00
7th year maintenance	66800.00
8th year maintenance	72500.00
9th year maintenance	78800.00
10th year maintenance	85700.00
Total	6272842.00
50% Over Head Cost of Compensatory Afforestation	3136421.00
Grand Total	9409263.00

Say Rs. 9409263.00

(Rupees Ninty Four Lakhs Nine Thousand Two Hundred Sixty Three Only)

Technically approved.


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

Submitted


Divisional Forest Officer
Goalpara Division (T),
Goalpara Division

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Estimate for 39 Ha Afforestation (Artificial Regeneration) at Zangrajangsa RF under Central Range, Krishnai									
	Area (ha)	39							
	Spacing (m X m)	2 X 2							
	Number of Saplings/ ha	2500							
	Length of Fence (RM)	2864							
	Wage rate for the 1st year(Rs.)	320							
	Increase in wage rate for subsequent years by a factor	1.1							
S.No.	Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit	Amount (Rs.)	Applicable rate of GST/Cess etc. (Rs.)		Total Amount (in Rs.)
A	ERECTION OF FENCING						GST	Labour Cess	
	(a) Cost of full chain link fencing (4' ht with 10 guage 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 2864 RM @ Rs. 1706/RM as per estimate.	RM's		2864	1706	4885984			
	<i>Sub total</i>					4885984			4885984
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		2	5000	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.		2	10000	20000			
	<i>Sub total</i>					295000	35400	2950	333350
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	160875	10	1608750			
	Site selection, Surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	1560	320	499200			
	<i>Sub total</i>					2107950			2107950
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	1950	320	624000			
	<i>Sub total</i>					624000			624000
E	1st YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	3900	320	1248000			
	Maintenance and protection of field nursery and watch and ward for the plantation area (2 DL for 365 days)	DLs	2	730	320	233600			
	Contingency	LS				15000			
	<i>Sub total</i>					1496600			1496600
F	2nd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	3900	352	1372800			
	25% Vacancy filling by 1 year old seedlings from nursery@ 28 DLs/ha	DLs	28	1092	352	384384			
	Maintenance and protection of field nursery and watch and ward for the plantation area (2 DL 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				15000			
	<i>Sub total</i>					2039144			2039144

Kumar
Divisional Forest Officer (T)
Goalpara Division.

G	3 rd YEAR MAINTENANCE							
	4 weedings, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	80	3120	387	1207440		
	15% Vacancy filling by 2 year old saplings from nursery @ 23 DLs/ha	DLs	23	897	387	347139		
	Maintenance and protection of field nursery and watch and ward for the plantation area (2 DL 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				15000		
	Sub total					1857089		1857089
H	4 th YEAR MAINTENANCE							
	3 weedings, fire protection works @ 15 DLs /ha/weeding.	DLs	45	1755	426	747630		
	10% Vacancy filling by 2 year old saplings from nursery @ 20 DLs/ha	DLs	20	780	426	332280		
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL 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				15000		
	Sub total					1255400		1255400
I	5 th YEAR MAINTENANCE							
	Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	1755	469	823095		
	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				15000		
	Sub total					1014280		1014280
J	6 th YEAR MAINTENANCE							
	Repairing of chainlink fencing.	LS				25000		
	1st mechanical thinning of alternate single strips in the plantation: 1250 nos. of stems/ha. @ 62 Dls/ha.	DLs	62	2418	516	1247688		
	Climber cutting, other Silvicultural works and fire protection works @10 DLs/ha	DLs	10	390	516	201240		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				9000		
	Sub total					1487928		1487928
K	7 th YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	390	568	221520		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				5000		
	Sub total					231520		231520
	8 th YEAR MAINTENANCE							
L	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	390	625	243750		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				5000		
	Sub total					253750		253750

M	9 th YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	390	688	268320		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				5000		
	Sub total					278320		278320
N	10 th YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	390	757	295230		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				5000		
	Sub total					305230		305230
Total								18170545
Over Head Cost (50% of Compensatory Afforestation)							9085272.5	
Grand Total							27255817.5	

Say Rs. 27255818.00

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	4885984.00
Infrastructure in Plantation Area	333350.00
Advance works	2107950.00
Creation	624000.00
1st year maintenance	1496600.00
2nd year maintenance	2039144.00
3rd year maintenance	1857089.00
4th year maintenance	1255400.00
5th year maintenance	1014280.00
6th year maintenance	1487928.00
7th year maintenance	231520.00
8th year maintenance	253750.00
9th year maintenance	278320.00
10th year maintenance	305230.00
Total	18170545.00
50% Over Head Cost of Compensatory Afforestation	9085272.50
Grand Total	27255817.50

Say Rs. 27255818.00

(Rupees Two Crore Seventy Two Lakhs Fifty Five Thousand Eight Hundred Eighteen Only)

Technically approved.

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

Submitted

Divisional Forest Officer (M)
Goalpara Division.

Estimate for 25 Ha Afforestation (Artificial Regeneration) at Guriajhar RF under Central Range, Krishnai

		Area (ha)		25					
		Spacing (m X m)		2 X 2					
		Number of Saplings/ ha		2500					
		Length of Fence (RM)		2274					
		Wage rate for the 1st year(Rs.)		320					
		Increase in wage rate for subsequent years by a factor		1.1					
S.No.	Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit	Amount (Rs.)	Applicable rate of GST/Cess etc. (Rs.)		Total Amount (in Rs.)
A	ERECTION OF FENCING						GST	Labour Cess	
	(a) Cost of full chain link fencing (4' ht with 10 guage 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 2274 RM @ Rs. 1706/RM as per estimate.	RM		2274	1706	3879444			
	Sub total					3879444			3879444
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	1000	320	320000			
	Sub total					1351250			1351250
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	2500	320	800000			
	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					1043600			1043600
F	2nd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	2500	352	880000			
	25% Vacancy filling by 1 year old seedlings from nursery@ 28 DLs/ha	DLs	28	700	352	246400			
	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					1403360			1403360

K. N. N.
 Divisional Forest Officer (T)
 Goalpara Division.

G	3rd YEAR MAINTENANCE							
	4 weedings, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	80	2000	387	774000		
	15% Vacancy filling by 2 year old saplings from nursery @ 23 DLs/ha	DLs	23	575	387	222525		
	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					1294035		1294035
H	4th YEAR MAINTENANCE							
	3 weedings, fire protection works @ 15 DLs /ha/weeding.	DLs	45	1125	426	479250		
	10% Vacancy filling by 3 year old seedlings from nursery @ 20 DLs /ha	DLs	20	500	426	213000		
	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					862740		862740
I	5th YEAR MAINTENANCE							
	Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	1125	469	527625		
	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					713810		713810
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	1550	516	799800		
	Climber cutting, other Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	250	516	129000		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				9000		
	Sub total					967800		967800
K	7th YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	250	568	142000		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				5000		
	Sub total					152000		152000
L	8th YEAR MAINTENANCE							
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	250	625	156250		
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000		
	Contingency	LS				5000		
	Sub total					166250		166250

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Divisional Forest Officer (T)
Goalpara Division,

M	9 th YEAR MAINTENANCE								
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	250	688	172000			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					182000			182000
M	10 th YEAR MAINTENANCE								
	Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	250	757	189250			
	Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000			
	Contingency	LS				5000			
	Sub total					199250			199250
Total						12937589			
Over Head Cost (50% of Compensatory Afforestation)						6468794.5			
Grand Total						19406383.5			

Say Rs. 19406384.00

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	3879444.00
Infrastructure in Plantation Area	322050.00
Advance works	1351250.00
Creation	400000.00
1st year maintenance	1043600.00
2nd year maintenance	1403360.00
3rd year maintenance	1294035.00
4th year maintenance	862740.00
5th year maintenance	713810.00
6th year maintenance	967800.00
7th year maintenance	152000.00
8th year maintenance	166250.00
9th year maintenance	182000.00
10th year maintenance	199250.00
Total	12937589.00
50% Over Head Cost of Compensatory Afforestation	6468794.50
Grand Total	19406383.50

Say Rs. 19406384.00

(Rupees One Crore Ninty Four Lakhs Six Thousand Three Hundred Eighty Four Only)

Technically approved.

Addl. Principal Chief Conservator of Forests

I/C. Central Assam Circle

Basistha, Guwahati-29

Submitted

Divisional Forest Officer (T)
Goalpara Division, Goalpara

Estimate for 10 Ha Afforestation (Artificial Regeneration) at Nalbari RF under Lakhipur Range									
	Area (ha)								10
	Spacing (m X m)								2 X 2
	Number of Saplings/ha								2500
	Length of Fence (RM)								1363
	Wage rate for the 1st year(Rs.)								320
	Increase in wage rate for subsequent years by a factor								1.1
S.No.	Particulars of works	Units	Qty./ha	Total Qty.	Rate / Unit	Amount (Rs.)	Applicable rate of GST/Cess etc. (Rs.)		Total Amount (in Rs.)
A	ERECTION OF FENCING						GST	Labour Cess	
	(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 1363 RM @ Rs. 1706/RM as per estimate.	RMs		1363	1706	2325278			
	Sub total					2325278			2325278
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	41250	10	412500			
	Site selection, Surveying, demarcation, jungle cutting, slash disposal etc. 40 DLs/ha.	DLs	40	400	320	128000			
	Sub total					540500			540500
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	500	320	160000			
	Sub total					160000			160000
E	1st YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	1000	320	320000			
	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					563600			563600
F	2nd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 25 DLs/ha/weeding.	DLs	100	1000	352	352000			
	25% Vacancy filling by 1 year old seedlings from nursery@ 28 DLs/ha	DLs	28	280	352	98560			
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	1	365	352	128480			
	Contingency	LS				8000			
	Sub total					587040			587040
G	3rd YEAR MAINTENANCE								
	4 weedings, mulching and fire protection works @ 20 DLs/ha/weeding.	DLs	80	800	387	309600			
	15% Vacancy filling by 2 year old saplings from nursery@ 23 DLs/ha	DLs	23	230	387	89010			
	Maintenance and protection by way of deploying of watch and ward for site nursery & plantation area (2 DLs for 365 days).	DLs	1	365	387	141255			
	Contingency	LS				8000			
	Sub total					547865			547865
H	4th YEAR MAINTENANCE								
	3 weedings, fire protection works @ 15 DLs /ha/weeding.	DLs	45	450	426	191700			
	10% Vacancy filling by 3 year old seedlings from nursery @ 20 DLs /ha	DLs	20	200	426	85200			
	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					440390			440390

Divisional Forest Officer (T)
Goalpara Division.

5th YEAR MAINTENANCE						
Climber cutting, 3 weeding & other silvicultural works and fire protection works @ 15 DLs/ha	DLs	45	450	469	211050	
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					390235	390235
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	620	516	319920	
Climber cutting, other Silvicultural works and fire protection works @10 DLs/ha	DLs	10	100	516	51600	
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000	
Contingency	LS				9000	
Sub total					410520	410520
K 7th YEAR MAINTENANCE						
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	568	56800	
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000	
Contingency	LS				5000	
Sub total					66800	66800
L 8th YEAR MAINTENANCE						
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	625	62500	
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000	
Contingency	LS				5000	
Sub total					72500	72500
M 9th YEAR MAINTENANCE						
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	688	68800	
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000	
Contingency	LS				5000	
Sub total					78800	78800
M 10th YEAR MAINTENANCE						
Climber cutting, Silvicultural works and fire protection works @ 10 DLs/ha	DLs	10	100	757	75700	
Maintenance of camp hut, implements, upkeepment of plantation sign board, documentation, upkeepment of records etc.	LS				5000	
Contingency	LS				5000	
Sub total					85700	85700
Total					6325728	
Over Head Cost (50% of Compensatory Afforestation)					3162864	
Grand Total					9488592	

Say Rs. 9488592.00

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.

Kumar
Divisional Forest Officer (M)
Goalpara Division,

Abstract

Details	(Amount in Rs.)
Erection of fencing	2325278.00
Infrastructure in Plantation Area	56500.00
Advance works	540500.00
Creation	160000.00
1st year maintenance	563600.00
2nd year maintenance	587040.00
3rd year maintenance	547865.00
4th year maintenance	440390.00
5th year maintenance	390235.00
6th year maintenance	410520.00
7th year maintenance	66800.00
8th year maintenance	72500.00
9th year maintenance	78800.00
10th year maintenance	85700.00
Total	6325728.00
50% Over Head Cost of Compensatory	3162864.00
Grand Total	9488592.00

Say Rs. 9488592.00

(In Words Rupees Ninty Four Lakhs Eighty Eight Thousand Five Hundred Ninety Two Only)

Technically approved.

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

Submitted

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