

12/10/22

San
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 (CAMPA), 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

Scheme for Dwarf Species/Medicinal Plantation in 3 ha under Transmission Line corridor under Goalpara Forest Division

Diversion of 41.75 ha forest land for construction of 400 KV D/C Transmission Line from Bongaigaon to Nangalbibra under Goalpara division)

Total effective area of transmission line in all RF areas under Goalpara Division : (9076 M X 46 M) = 41.747 Hac

Total effective area of forest diversion under Aie-Valley Forest Division : 41.75 Hac

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 9076 = 5.445 Hac

Among two strips, one 3 meters outer strip shall be left clear to permit maintenance activities of transmission line. Hence, free space for medicinal plantation shall be : 5.445 Hac / 2 = 2.72 Hac
Say 3 Hac

Total area to be covered by medicinal plantation: 3 Hac

Estimation for 2 Ha Block Plantation

Spacing of plantation : 3 M X 3 M

Total No. of seedlings per block : 1100/hac X 2 = 2200 Nos.

ESTIMATE FOR 1 (ONE) BLOCK PLANTATION (2 HA)								
S. No.	Particular	Qty	Unit	Rate	Amount (Rs.)	Applicable rate of GST/Cess etc.		Total Amount
A	Advance work					GST (14.05%)	Labour Cess (1%)	
A.1				Wage rate per day (Rs.)	320			
1	Site selection survey, demarcation, jungle cutting, burning etc. 16 DLs/ ha = Total 32 DLs	32	DLs	320	₹ 10,240.00			
2	Procurement of stacking materials & making in to sticks & fixing at site @ 10 DLs/ ha = Total 20 DLs	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 2Mt. apart including labour for 9076 RM @ 720 per RM.	9076	RM	720	₹ 65,34,720.00	₹ 9,18,128.16	₹ 65,347.20	₹ 75,18,195.36
4	Wages of DLs for carrying, fitting, fixing etc of the fencing material complete as directed @ 25 DLs/ ha	50	DLs	320	₹ 16,000.00	₹ 2,248.00	₹ 160.00	₹ 18,408.00
5	Cost of tools. Implements, sign boards etc including filling, fixing etc @ 500/- per ha.	2	L.S.	500	₹ 1,000.00			
TOTAL FOR ADVANCE WORK					₹ 65,68,360.00	₹ 9,20,376.16	₹ 65,507.20	₹ 75,54,243.36
A.2	1st year creation of Plantation and Maintenance							
1	Procurement of polypot seedling @ Rs. 7/- from departmental nursery to the plantation site.	2200	L.S.	7	₹ 15,400.00			₹ 15,400.00
2	Transportation of polypot seedling from existing departmental nursery to the plantation site.		L.S.		₹ 4,000.00			₹ 4,000.00
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	40	DLs	320	₹ 12,800.00			₹ 12,800.00
4	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	320	₹ 19,200.00			₹ 19,200.00
5	Fire line protection @ 2 DLs/ ha	4	DLs	320	₹ 1,280.00			₹ 1,280.00
6	Watering of seedlings @ 26 DLs/ha	52	DLs	320	₹ 16,640.00			₹ 16,640.00
TOTAL FOR 1st YEAR					₹ 69,320.00			₹ 69,320.00
A.3	2nd year maintenance							
1	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	352	₹ 21,120.00			₹ 21,120.00
2	Procurement of 500 Nos. of polypot seedlings @ Rs. 7/- per seedling for vacancy	500	DLs	7	₹ 3,500.00			₹ 3,500.00
3	Watering of seedlings @ 26 DLs/ha	52	DLs	352	₹ 18,304.00			₹ 18,304.00
4	Fire line protection @ 2 DLs/ ha	4	DLs	352	₹ 1,408.00			₹ 1,408.00
5	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00			₹ 2,000.00
TOTAL FOR 2nd YEAR					₹ 46,332.00			₹ 46,332.00

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Divisional Forest Officer (T)
Goalpara Division.

A.4	3rd year maintenance							
1	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	387	₹ 23,232.00			₹ 23,232.00
2	Procurement of 500 Nos. of polypot seedlings @ Rs. 7/- per seedling for vacancy	500	DLs	7	₹ 3,500.00			₹ 3,500.00
3	Watering of seedlings @ 26 DLs/ha	52	DLs	387	₹ 20,134.40			₹ 20,134.40
4	Repairing of fencing where necessary 3DLs/ha	6	DLs	387	₹ 2,323.20			₹ 2,323.20
5	Fire line protection @ 2 DLs/ ha	4	DLs	387	₹ 1,548.80			₹ 1,548.80
6	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00			₹ 2,000.00
	TOTAL FOR 3rd YEAR				₹ 52,738.40			₹ 52,738.40
A.5	4th year maintenance							
1	4 weeding, vacancy filling etc 30DLs/ha	60	DLs	426	₹ 25,555.20			₹ 25,555.20
2	Fire line protection @ 2 DLs/ ha	4	DLs	426	₹ 1,703.68			₹ 1,703.68
3	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00			₹ 2,000.00
	TOTAL FOR 4th YEAR				₹ 29,258.88			₹ 29,258.88
A.6	5th year maintenance							
1	3 weeding, vacancy filling etc 27DLs/ha	54	DLs	469	₹ 25,299.65			₹ 25,299.65
2	Fire line protection @ 2 DLs/ ha	4	DLs	469	₹ 1,874.05			₹ 1,874.05
3	Manuring of the seedlings @ Rs. 1000/ha	2	L.S.	1000	₹ 2,000.00			₹ 2,000.00
	TOTAL FOR 5th YEAR				₹ 29,173.70			₹ 29,173.70
A.7	6th year maintenance							
1	Climber cutting & upkeep @ 6 DLs/ha	12	DLs	516	₹ 6,192.00			₹ 6,192.00
2	Fire line protection @ 2 DLs/ ha	4	DLs	516	₹ 2,064.00			₹ 2,064.00
3	Repairing of fencing where necessary 3DLs/ha	6	DLs	516	₹ 3,096.00			₹ 3,096.00
4	Control burning 4 DLs/ha	8	L.S.	516	₹ 4,128.00			₹ 4,128.00
	TOTAL FOR 6th YEAR				₹ 15,480.00			₹ 15,480.00
A.8	7th year maintenance							
1	Pruning 6 DLs/ha	12	DLs	568	₹ 6,811.20			₹ 6,811.20
2	Fire line protection @ 2 DLs/ ha	4	DLs	568	₹ 2,270.40			₹ 2,270.40
3	Control burning 4 DLs/ha	8	L.S.	568	₹ 4,540.80			₹ 4,540.80
	TOTAL FOR 7th YEAR				₹ 13,622.40			₹ 13,622.40
A.9	8th year maintenance							
1	Pruning 6 DLs/ha	12	DLs	625	₹ 7,500.00			₹ 7,500.00
2	Fire line protection @ 2 DLs/ ha	4	DLs	625	₹ 2,500.00			₹ 2,500.00
3	Control burning 4 DLs/ha	8	L.S.	625	₹ 5,000.00			₹ 5,000.00
	TOTAL FOR 8th YEAR				₹ 15,000.00			₹ 15,000.00
A.10	9th year maintenance							
1	Pruning 6 DLs/ha	12	DLs	688	₹ 8,250.00			₹ 8,250.00
2	Fire line protection @ 2 DLs/ ha	4	DLs	688	₹ 2,750.00			₹ 2,750.00
3	Control burning 4 DLs/ha	8	L.S.	688	₹ 5,500.00			₹ 5,500.00
	TOTAL FOR 9th YEAR				₹ 16,500.00			₹ 16,500.00
A.11	10th year maintenance							
1	Pruning 6 DLs/ha	12	DLs	757	₹ 9,084.00			₹ 9,084.00
2	Fire line protection @ 2 DLs/ ha	4	DLs	757	₹ 3,028.00			₹ 3,028.00
3	Control burning 4 DLs/ha	8	L.S.	757	₹ 6,056.00			₹ 6,056.00
	TOTAL FOR 10th YEAR				₹ 18,168.00			₹ 18,168.00
	TOTAL PROJECT COST FOR TEN (10) YEARS (For 1 Block of 2 ha)							₹ 78,59,836.74

Total for 1 Block of 2 ha area : Rs. 7859837
 Total for 1 Block of 1 ha area : Rs. 3929918
 Total for 3 ha (Effective area of plantation) : Rs. 11789755
 (A) : Rs. 11789755


 Divisional Forest Officer (T)
 Goalpara Division.

B	Watch and Ward Expenditure						
1	Wages of watch and ward 1 No. for 365 days (1st year)	365	DLs	320.00	₹ 1,16,800		
2	Wages of watch and ward 1 No. for 365 days	365	DLs	352	₹ 1,28,480		
3	Wages of watch and ward 1 No. for 365 days (3rd year)	365	DLs	387	₹ 1,41,255		
4	Wages of watch and ward 1 No. for 365 days (4th year)	365	DLs	426	₹ 1,55,490		
5	Wages of watch and ward 1 No. for 365 days (5th year)	365	DLs	469	₹ 1,71,185		
6	Wages of watch and ward 1 No. for 365 days (6th year)	365	DLs	516	₹ 1,88,340		
7	Wages of watch and ward 1 No. for 365 days (7th year)	365	DLs	568	₹ 2,07,320		
8	Wages of watch and ward 1 No. for 365 days (8th year)	365	DLs	625	₹ 2,28,125		
9	Wages of watch and ward 1 No. for 365 days (9th year)	365	DLs	688	₹ 2,51,120		
10	Wages of watch and ward 1 No. for 365 days	365	DLs	757	₹ 2,76,305		
TOTAL FOR WATCH AND WARD FOR TEN (10) YEARS					₹ 18,64,420		
C	Overhead Expenditure						
1	Cost of construction of semi permanent camp hut 6 M X 4 M with C. I. sheet roofing with tabular structure with facilities of cooking and improvised sanitary latrines, tubewells	1	Nos	250000	₹ 2,50,000.00		
2	Purchase of 1 No. of motorcycle for movement of staff @ 60,000/-	1	Nos	60000	₹ 60,000.00		
3	Installation of 1 No. of tubewell for watering	1	L.S.	50000	₹ 50,000.00		
4	Installation of a solar lighting system for the	1	L.S.	25000	₹ 25,000.00		
5	Awareness and Monitoring	1	L.S.		₹ 20,000.00		
6	Office Expenses		L.S.		₹ 20,000.00		
7	Contingency		L.S.		₹ 10,000.00		
TOTAL OVERHEAD EXPENDITURE					₹ 4,35,000.00		
Grand Total (A+B+C) =		11789755	1864420	435000	₹ 1,40,89,175		
(Rupees One Crore Forty Lakhs Eighty Nine Thousand One Hundred Seventy Five Only)							

N.B.: The above estimation has been done on the presumption of Annual wages enhancement of 10% from the prevailing wages rate of Rs. 320/- per unskilled labour.

Technically approved.

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

Submitted

Divisional Forest Officer
Goalpara Division (3), Goalpara