



GOVERNMENT OF ASSAM
OFFICE OF THE CHIEF CONSERVATOR OF FORESTS (T) :: CENTRAL ASSAM CIRCLE
BASISTHA :: GUWAHATI-781029

Email: conservator.cac@gmail.com

No. FG.4/CAC/NK/Gopeswar Stone Quarry/Mining Zone/2018

Date 29.11.2022

To,



✓ The Divisional Forest Officer
North Kamrup Division, Rangia

Sub : Request for technically approved of the 5.4 Ha. Compensatory Afforestation Scheme against 5.4 Ha. Gopeswar Stone Quarry & Mining Zone Area at Gopeswar Reserve Forest under Sila Range, North Kamrup Division, Rangia

Ref: Your letter No. A/CA/1249 dtd. 18.11.2022

With reference to your letter cited above, the estimate for 5.4 Ha. Compensatory Afforestation Scheme against 5.4 Ha. Gopeswar Stone Quarry & Mining Zone Area at Gopeswar Reserve Forest received from your end is returned herewith after accorded technical approval by the undersigned.

Encl: As stated above


(Dr. C. Muthukumaravel, IFS)
Chief Conservator of Forests (T),
Central Assam Circle,
Guwahati-29 

**Estimate for the creation and maintenance of 5.4 hectare plantation under Compensatory Afforestation at Dakshin Mandakata under Sila Range of North Kamrup Division,
Rangia against 5.4 ectare Gopeswar Stone Quarry & Mining Zone Area at Gopeswar RF under North Kamrup Division, Rangia**

Location	Dakshin Mandakata
Area (Ha)	5.4
Soaking (m x m)	2 X 2
Number of Saplings ha	2500
Length of Fence (RM)	1128.02
Wage Rate (Rs.)	320
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.	
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 strands 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 1128.02 RM @ Rs. 1706/RM as per estimate (Inclusive of 14.05% GST and 1% Labour Cess)	RMS		1128.02	1706	1924402		
Sub Total					1924402		
INFRASTRUCTURE IN PLANTATION AREA							
Cost of tools & implements	Set		1	10000	10000		
Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	40000	40000		
Sub Total					50000		
GST					6000	12%	
Labour Cess					500		1%
Total					56500		
ADVANCE WORK							
Raising of Nursery for creation including vacancy filling for 3 (three) years (25% + 15% + 10%) and site nursery mortality 15% by using polytops	Nos.	4125	22275	10	222750		
Site selection, surveying, demarcation, jungle cutting, slash disposal etc. 40 Dls/ha.	Dls	40	216	320	69120		
Sub Total					291870		

of King, carriage of stumps, polypot seedling and planting at the plantation site including, dibbling of seeds
 whenever necessary to complete raising of plantation with all necessary operation @ 50 Dls/ha

1 ST YEAR MAINTENANCE		Dls	50	270	320	86400		
Sub Total						86400		
4 weeding, mulching and fire protection works @ 25 Dls/ ha/ weeding		Dls	100	540	320	172800		
Contingency		LS				8000		
Sub total						180800		
2 ND YEAR MAINTENANCE		Dls	100	540	352	190080		
4 weedings, mulching & fire protection works @ 25 Dls/ha/weeding		Dls	28	151.2	352	5322.4		
25% vacancy filling by 1 year old seedlings from nursery @ 28 Dls/ha		Dls	1	365	352	128480		
Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 days)		Dls						
Contingency		LS				8000		
Sub Total						379782.4		
3 RD YEAR MAINTENANCE		Dls	80	432	387.2	167270.4		
4 weedings, mulching & fire protection works @ 20 Dls/ ha/ weeding		Dls	23	124.2	387.2	48090.24		
15% Vacancy filling by 2 year old seedlings from nursery @ 23 Dls/ ha		Dls	1	365	387.2	141328		
Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 days)		Dls						
Contingency		LS				8000		
Sub Total						364688.64		
4 TH YEAR MAINTENANCE		Dls	45	243	425.92	103498.56		
4 weedings, fire protection works @ 15 Dls/ ha/ weeding		Dls	20	108	425.92	45999.36		
0% vacancy filling 3 years old seedlings from nursery @20 DLS/ha		Dls	1	365	425.92	155460.8		
Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 yrs)		Dls						
Contingency		LS				8000		
Sub Total						312958.72		
5 TH YEAR MAINTENANCE		Dls	45	243	468.512	113848.416		
Number cutting, 3 weedings & other silvicultural works and fire protection works @ 15 Dls/ ha		Dls	1	365	468.512	171006.88		
Maintenance and protection by way of deploying of watch & ward for site nursery & plantation area (1 DL for 365 yrs)		Dls						
Contingency		LS				8000		
Sub Total						292855.296		
YEAR MAINTENANCE		LS				25000		
ring of Chainlink fencing								

<i>Mechanical thinning of alternate single strips in the plantation; 1250 nos of stems/ha</i>									
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	62	335	515.3632	172543.5994				
Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	DLS	10	54	515.3632	27829.6128				
Contingency	LS				5000				
Sub Total					235373.2122				
7TH YEAR MAINTENANCE									
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	54	566.89952	30612.57408				
Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub Total					40612.57408				
8th YEAR MAINTENANCE									
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	54	623.58947	33673.83149				
Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub Total					43673.83149				
9th YEAR MAINTENANCE									
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	54	685.94842	37041.21464				
Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub Total					47041.21464				
10th YEAR MAINTENANCE									
Climber cutting, Silvicultural works and fire protection works @ 10 DLS/ha	DLS	10	54	754.54326	40745.3361				
Implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	LS				5000				
Contingency	LS				5000				
Sub Total					50745.34				
Total					4307703.34				
Over Head Cost (50% of Compensatory Afforestation)					2153851.67				
Grand Total					6461555.02				

Rupees Sixty Four Lakhs Sixty One Thousand Five Hundred Fifty Five only

Technically Approved By:

Submitted by:

Chief Conservator of Forests
Central Assam Circle, Guwahati-29
Chief Conservator of Forests (I)
Central Assam Circle, Basistha
Guwahati-29

Divisional Forest Officer
North Kamrup Division, Rangia

Abstract

Details	(Amount in Rs.)
Erection of fencing	1924402.12
Infrastructure in Plantation Area	56500.00
Advance works	291870.00
Creation	86400.00
1st year maintenance	180800.00
2nd year maintenance	379782.40
3rd year maintenance	364688.64
4th year maintenance	312958.72
5th year maintenance	292855.30
6th year maintenance	235373.21
7th year maintenance	40612.57
8th year maintenance	43673.83
9th year maintenance	47041.21
10th year maintenance	50745.34
	4307703.34
	2153851.67
50% Over Head Cost of Compensatory Afforestation	
Grand Total	6461555.01

Rupees Sixty Four lakhs Sixty One Thousand Five Hundred Fifty Five only

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Basistha, Guwahati-29
Chief Conservator of Forests (T)
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