

Estimate for the creation and maintenance of 5.0 ha. Plantation under Compensatory Afforestation at Dakshin Mandakata under Barbongshar Mouza, North Guwahati Revenue Circle, Kamrup against the diversion proposal of Construction of Trumpet Interchange at Gauripur Junction North Guwahati

Location -	Dakshin Mandakata under Barbongshar Mouza
Area(Ha.) -	5.0 Ha.
Species (m X m) -	2x2
Number of saplings/Ha. -	2500
Length of Fence (R.M) -	990.508
Wage Rate for the 1st year (Rs.) -	320
Increase in wage rate for subsequent years by a factor	1.1
Appreciation of material costs by a factor	1.1

Sl. No.	Particulars of works	Units	Qty/ Ha.	Total Qty	Rate / Unit	Amount (Rs.)	Applicable rate of GST & Labour Cess	
A.	<u>ERECTION OF FENCING</u>	@Rs. 320/DL					GST (14.05%)	Labour Cess (1%)
	a) Cost of full chain -linked Goat Proofing Fencing (4' ht with 10 Gauge 3" dia link) to be fitted on Pre-cast RCC pillars at 1.8 mt. apart including transportation of fencing materials to site 860 RM @ 1260 per RM as per estimate.	RMs		990.508	1260	1,248,040.08		
	Sub-Total =					1,248,040.08	14%	1%
B.	<u>INFRASTRUCTURE IN PLANTATION AREA</u>							
	Cost of tools & Implements	Nos.		1	10,000	10,000.00		
	Cost of RCC Signboard & Gate including fitting & fixing of the same	Nos.		1	40,000	40,000.00		
	Sub-Total =					50,000.00	12%	1%
C.	<u>ADVANCE WORK</u>							
	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	17530.42	10	175,304.20		
	Site Selection, Surveying, Demarcation, Jungle Cutting, Slash disposal etc. 40 DLs/Ha.	DLS	40	169.99	320	54,396.80		
	Sub-Total =					229,701.00		
D.	<u>CREATION</u>							
	Soil working, carriage of stumps, pollypot seedlings & Planting at the plantation site including dibbling of seeds wherever neccessaary to complete raising of plantation with all necessary operation @ 50 DLs/Ha.	DLS	50	212.49	320	67,996.80		
	Sub-Total =					67,996.80		
E.	<u>1st YEAR MAINTENANCE</u>							
	4 weeding, mulching and fire protection works @ 25 DLs ha/weeding.	DLs	100	424.98	320	135993.60		
	Contingency	Ls	0	0	0	5000.00		
	Sub-Total =					140993.60		
F.	<u>2nd YEAR MAINTENANCE</u>							
	4 weeding, mulching and fire protection works @ 25 DLs ha/weeding.	DLS	100	424.98	352	149592.96		
	25% vacancy filling by 1 year old seedlings from nursery @ 28 DLs/ha.	DLs	28	118.99	352	41886.03		
	Maintenance and protection by way of deploying of watch and ward for the site sursery and plantation area (1 DL for Contingency	DLS	1	365	352	128480.00		
		Ls				5000.00		
	Sub-Total =					324958.99		

G. 3rd YEAR MAINTENANCE							
4 weeding, mulching and fire protection works @ 20 DLs ha/weeding.	DLs	80	339.98	387	131,572.26		
15% vacancy filling by 2 year old seedlings from nursery @ 23 DLs/ha.	DLs	23	97.74	387	37,825.38		
Maintenance and protection by way of deploying of watch and ward for the site nursery and plantation area (1 DL for 365 days)	DLs	1	365	387	141,255.00		
Contingency					5,000.00		
Sub-Total =					315,652.64		
H. 4TH YEAR MAINTENANCE							
3 weeding, mulching and fire protection works @ 15 DLs ha/weeding.	DLs	45	191.24	426	81,468.24		
10% vacancy filling by 3 year old seedlings from nursery @ 20 DLs/ha.	DLs	20	84.99	426	36,205.74		
Maintenance and protection by way of deploying of watch and ward for the site nursery and plantation area (1 DL for 365 days)	DLs	1	365	426	155,490.00		
Contingency					5,000.00		
Sub-Total =					278,163.98		
I. 5TH YEAR MAINTENANCE							
Climber cutting, 3 weedlings & other silvicultural works and fire protection works @ 15 DLs / ha.	DLs	45	191.24	468	89,500.32		
Maintenance and protection by way of deploying of watch and ward for the site nursery and plantation area (1 DL for 365 days)	DLs	1	365	468	170,820.00		
Contingency	Ls				5,000.00		
Sub-Total =					265,320.32		
J. 6TH YEAR MAINTENANCE							
Repairing of Chainlink fencing	LS				25000.00		
1st mechanical thinning of alternate single strips in the plantation ; 1250 nos of stems/ha	DLs	62	263.48	515	135692.20		
Climber cutting, other silvicultural works and fire protection works @ 10 DLs / ha.	DLs	10	42.49	515	21882.35		
Maintenance of camp huts, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc	Ls				5000.00		
Contingency	Ls				5000.00		
Sub-Total =					192574.55		
K. 7TH YEAR MAINTENANCE							
Climber cutting, other silvicultural works and fire protection works @ 10 DLs / ha.	DLs	10	42.49	566	24,049.34		
Maintenance of camp huts, implements, upkeepment of plantation signboard, documentation & upkeepment of	Ls				5,000.00		
Contingency	Ls				5,000.00		
Sub-Total =					34,049.34		

L.	<u>8TH YEAR MAINTENANCE</u>							
	Climber cutting, other silvicultural works and fire protection works @ 10 DLs / ha.	DLs	10	42.49	623	26,471.27		
	Maintenance of camp huts, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	Ls				5,000.00		
	Contingency	LS				5,000.00		
	Sub-Total =					36,471.27		
M.	<u>9TH YEAR MAINTENANCE</u>							
	Climber cutting, other silvicultural works and fire protection works @ 10 DLs / ha.	DLs	10	42.49	685	29,105.65		
	Maintenance of camp huts, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	Ls				5,000.00		
	Contingency	LS				5,000.00		
	Sub-Total =					39,105.65		
N	<u>10TH YEAR MAINTENANCE</u>							
	Climber cutting, other silvicultural works and fire protection works @ 10 DLs / ha.	DLs	10	42.49	754	32037.46		
	Maintenance of camp huts, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc.	Ls				5000.00		
	Contingency	LS				5000.00		
	Sub-Total =					42037.46		
	Total =					3265065.68		
	50% Over Head Cost of Compensatory Afforestation					1632533.00		
	GST @ 14.05 % and Cess @1% of SL No. A					187206.00		
	GST @ 12 % and Cess @1% of SL No. B					6500.00		
	Grand Total					5091304.68		

Technically approved.

1/2 90 *APCER*
 Conservator of Forests
 Central Assam Circle
 Basistha, Guwahati

Submitted

[Signature]
 Divisional Forest Officer
 North Kamrup Division
 Kamrup

Abstract

Erection of fencing	-	1248040.08
Infrastructure in Plantation Area	-	50000.00
Advance works	-	229701.00
Creation	-	67996.80
1st year maintenance	-	140993.60
2nd year maintenance	-	324958.99
3rd year maintenance	-	315652.64
4th year maintenance	-	278163.98
5th year maintenance	-	265320.32
6th year maintenance	-	192574.55
7th year maintenance	-	34049.34
8th year maintenance	-	36471.27
9th year maintenance	-	39105.65
10th year maintenance	-	42037.46
	Total	3265065.68
50% Over Head Cost of Compensatory Afforestation	-	1632533.00
GST @ 14.05 % and Cess @1% of SL No. A		187206.00
GST @ 12 % and Cess @1% of SL No. B		6500.00
	Grand Total	5091304.68

Technically approved.

1/2 90
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