



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

No. GLP/DFO (T)/NH/Technical Approval/ 4121-24  
To

Dated- 17/06/2021

The Chief Conservator of Forests (T)  
Central Assam Circle  
Basistha, Guwahati-29.

Sub:- Technical Approval.

Sir,

With the subject cited above, I have the honour to inform you that the authority of the National Highways & Infrastructure Development Cooperation Ltd had already submitted the diversion proposal for an area 27.054 Ha. for construction of the National Highways & Infrastructure Development Cooperation Ltd at from Pancharatna to Dhupdhara and all necessary formalities have been successfully completed by uploading Part-I etc. by the user agency. The user agency submitted hard copies of all the document uploaded in the portal. Accordingly, undersigned inclusive of uploading all necessary documents/ information etc.

As per existing rules /norms/procedures the Compensatory Afforestation is to be carried out / worked out for an area with same dimension in respect of revenue area and twice in dimension in respect of Forest area if available and selected. It is a fact that there is no revenue area suitably available for plantations in Goalpara District as per non-availability certificate issued by the Deputy Commissioner, Goalpara ( Photocopy enclosed ). Hence, three plot of land measuring as follows.

1. Bogulamari PRF = 5.014 ha. i.e. rounded of to 5.0 ha.
2. Bogulamari PRF = 39.678 ha. i.e. rounded of to 40.0 ha.
3. Rakhyasini PRF = 10.602 ha. i.e. rounded of to 11.0 ha.

i.e. measuring 56.0 ha. in total available in Goalpara Sadar Range under Goalpara Forest Division, Goalpara.

Although, the proposed plantation area is to be double the area of 27.054 ha. while creating Compensatory Plantation in Forest area, but it has been calculated as above while the feasible areas in 3 (three) locations were rounded of to the next decimal.

However, in this connection KML file of the area along with Map has been prepared and the same area has been physically verified by the undersigned accompanied by the Forest Range Officer, Goalpara Sadar Range, Goalpara on 16/06/2021. The KML file, Map etc. retained with this office which are being submitted after uploading the Part-II from this end.

On the basis of the perimeter of the area, a plan and estimate for Erection of Fencing, Infrastructure in Plantation area, Creation of Plantation with 10 years maintenance has been prepared as CAMPA Norms and guidelines which has been enclosed herewith the necessary technical approval is to be accorded from your end after being scrutinised the same in toto.

The technical approved plan and estimate are to be uploaded in the portal for acceptance by the appropriate authority.

Therefore, I would like to request you to do the needful for according technical approval to the plan and estimate and request you to return back the same as required, This is for favour of your kind information and necessary action.

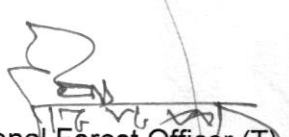
Enclo:- As stated above.

Yours faithfully,

  
Divisional Forest Officer (T),  
Goalpara Division, Goalpara

**Copy to:-**

1. The Principal Chief Conservator of Forests & Head of Forest Force, Assam, Panjabari, Guwahati-37 for favour of his kind information and necessary action.
2. The Chief Conservator of Forests & Chief Executive Officer (CAMPA), O/o. the Principal Chief Conservator of Forests & Head of Forest Force, Assam, Panjabari, Guwahati-37 for favour of his kind information.
3. The Additional Principal Chief Conservator of Forests (T), Lower Assam Zone, Guwahati- 1 for favour of his kind information and necessary action.

  
Divisional Forest Officer (T),  
Goalpara Division, Goalpara

URGENT

GOVT. OF ASSAM  
OFFICE OF THE DEPUTY COMMISSIONER, GOALPARA  
(REVENUE BRANCH)

Ph-03663-240030/240028

Fax- 240314

e-mail: dc-goalpara@nic.in

NO.GRS.51/Forest Materials/2018/45

Dated Goalpara the 3<sup>rd</sup> Oct/2018

From : Addl. Deputy Commissioner,  
Goalpara.

✓ To : The Divisional Forest Officer, (T),  
Goalpara.

Sub : Requirement of non forest land for compensatory afforestation-reg.

Ref : Letter No. DFO(T)/Mahal Proposal/18-19/5097-5101, dtd. 26.09.2018.

Sir,

With reference to the subject cited above, I am to inform you that as per report submitted by the Circle Officers, Balijana, Matia, Dudhnoi, Rongjuli and Lakhipur Revenue Circle, there is no suitable 10 Hac. of non forest land for compensatory afforestation for diversion of the proposed mining area (Stone quarry) namely (1) Hatishila Mining Zone under Hatishila PRF(5 Hac) and (2) Nalonga Mining Zone under Nalonga RF ( 5 Hac). The required quantity of non forest land accordingly may please be obtained from other district.

Process on the other requirement like issue of environment clearance and Forest Right Act certificate as per prescribed format Annexure-II for diversion of the proposed mining areas are going on and these will be furnished as soon as possible.

Yours faithfully,

Addl. Deputy Commissioner.

Goalpara

Dated Goalpara the 3<sup>rd</sup> Oct/2018

Memo No.GRS. 51/Forest Materials/2018/45-A,  
Copy to :

1. The Chief Conservator of Forest & Nodal Officer, FC Act. Office of the Principal Chief Conservator of forest and Head of Forest Force, Assam, Panjabari, Guwahat-37 for favour of information with reference to his letter No. FG.27/Nodal/Mahal Proposal (New) Genl./Pt-II, dtd. 07.08.2018.
2. C.A to DC for kind appraisal of the Deputy Commissioner, Goalpara.

Sd/-  
Addl. Deputy Commissioner,  
Goalpara

**Norms for 5 ha. Afforestation (Artificial Regeneration) at Bogulamari PRF under Goalpara Range**

Area (ha.)	5 ha.
Spacing (m x m)	2x2
Number of Saplings /ha	2500
Length of fence (RM)	1080
Wage rate (Rs.)	273

SL. No	Particulars of works	Units	Qty./ha.	Total Qty.	Rate/Unit	Amount (Rs.)	Applicable Rate of GST/Cess etc.			Total Amount (in Rs.)
							GST	Labour Cess	Contractor's Profit	
<b>A</b>	<b>ERECTION OF FENCING</b>									
	(a) Cost of full chain –linked Goat Proof 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 fitted on Pre-cast RCC pillars of specific specification and size as per details specification attached at 2.5 m apart including transportation, fitting and fixing for 1080 RM @ Rs. 1016 per RM as per estimate.	RMs		1080	1016	1097280				
	<b>Sub Total</b>					1097280	76810	10973	0	1185063
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>									
	Construction of camp hut as per estimate with installation of ring/tube well	Nos.		1	165000	165000				
	Cost of tools & implements	Nos.		1	5500	5500				
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	33000	33000				
	Camp accessories @ Rs. 5000/- per camp	Nos.		1	5500	5500				
	Construction of Inspection path 1080 RM @ Rs. 80/- RM	RMs		1080	80	86400				
	<b>Sub Total</b>					295400	20678	2954	0	319032
<b>C</b>	Site selection , surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	100	273	27300				
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 nos. Seedlings/ha @ Rs. 8 per ploypot.	DLs	2500	12500	8	100000				
	Preparation of polypot saplings in the field nursery for vacancy filling									
	(a) 25% mortality expected during 1 <sup>st</sup> year (to be planted in the field during 2 <sup>nd</sup> year) i.e. 625 seedlings per ha @ 8/polypot stump.	Nos.	625	3125	8	25000				
	(b) 20% mortality expected during 2 <sup>nd</sup> year (to be planted in the field during 3 <sup>rd</sup> year) i.e. 500 seedlings per ha @ 8/polypot stump.		500	2500	8	20000				
	Cost of Bamboo, making of stacking & transportation etc.	Nos.	625	3125	1	3125				
	Line alignment carriage of stacking materials and fixing the stacking @ 5 DLs/ha	DLs	5	25	273	6825				
	<b>Sub Total</b>					182250	21870	1823	18225	224168
<b>D</b>	<b>CREATION &amp; 1st YEAR MAINTENANCE</b>									
	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 @ 40 DLs/ha.	DLs	40	200	273	54600				
	1 <sup>st</sup> Weeding @ 18 DLs/ha	DLs	18	90	273	24570				

	2 <sup>nd</sup> Weeding@ 15 DLs/ha	DLs	15	75	273	20475				
	3 <sup>rd</sup> Weeding@ 12 DLs/ha	DLs	12	60	273	16380				
	4 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	45	273	12285				
	5 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	45	273	12285				
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1 DL/ 5 ha/year	DLs	1	365	273	99645				
	<b>Sub Total</b>					<b>240240</b>	<b>28829</b>	<b>2402</b>	<b>24024</b>	<b>295495</b>
<b>E</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>									
	Vacancy filling including soil working carriage of stamps/polypot weeding	DLs	10	50	300	15000				
	1 <sup>st</sup> Weeding@ 18 DLs/ha	DLs	18	90	300	27000				
	2 <sup>nd</sup> Weeding@ 15 DLs/ha	DLs	15	75	300	22500				
	3 <sup>rd</sup> Weeding@ 12 DLs/ha	DLs	12	60	300	18000				
	4 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	45	300	13500				
	5 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	40	300	12000				
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1 DL/ 5 ha/year	DLs	1	365	300	109500				
	<b>Sub Total</b>					<b>217500</b>	<b>26100</b>	<b>2175</b>	<b>21750</b>	<b>267525</b>
<b>F</b>	<b>3<sup>rd</sup> YEAR MAINTENANCE</b>									
	Vacancy filling including soil working carriage of stamps/polypot weeding	DLs	10	50	330	16500				
	1 <sup>st</sup> Weeding@ 15 DLs/ha	DLs	15	75	330	24750				
	2 <sup>nd</sup> Weeding@ 12 DLs/ha	DLs	12	60	330	19800				
	3 <sup>rd</sup> Weeding@ 10 DLs/ha	DLs	10	50	330	16500				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	40	330	13200				
	5 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	40	330	13200				
	Cattle watching, upkeepment of plantation, repaining of camp hut and fire protection works @ 1 DL/5 ha/year	DLs	1	365	330	120450				
	<b>Sub Total</b>					<b>224400</b>	<b>26928</b>	<b>2244</b>	<b>22440</b>	<b>276012</b>
<b>G</b>	<b>4<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 15 DLs/ha	DLs	15	75	363	27225				
	2 <sup>nd</sup> Weeding@ 12 DLs/ha	DLs	12	60	363	21780				
	3 <sup>rd</sup> Weeding@ 10 DLs/ha	DLs	10	50	363	18150				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	40	363	14520				
	Cattle watching, upkeepment of plantation, and fire protection works @ 1 DL/5 ha/year	DLs	1	365	363	132495				
	<b>Sub Total</b>					<b>214170</b>	<b>25700</b>	<b>2142</b>	<b>21417</b>	<b>263429</b>
<b>H</b>	<b>5<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	60	399	23940				
	2 <sup>nd</sup> Weeding@ 10 DLs/ha	DLs	10	50	399	19950				
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	40	399	15960				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	40	399	15960				
	Cattle watching, upkeepment of plantation, repairing of camp hut and fire protection works @ 1 DL/5 ha/year	DLs	1	365	399	145635				
	<b>Sub Total</b>					<b>221445</b>	<b>26573</b>	<b>2214</b>	<b>22145</b>	<b>272377</b>
<b>I</b>	<b>6<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	60	439	26340				
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	40	439	17560				
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	40	439	17560				
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ ha	DLs	6	30	439	13170				
	Cattle watching, climber cutting & other Silvicultural works etc. 1DLs/per/365 days		1	365	439	160235				
	<b>Sub Total</b>					<b>234865</b>	<b>28184</b>	<b>2349</b>	<b>23487</b>	<b>288885</b>

J	<b>7<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	60	483	28980			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	40	483	19320			
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	40	483	19320			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	6	30	483	14490			
	Cattle watching, climber cutting & other Silvicultural works etc. 1 DLs/per/365 days		1	365	483	176295			
	<b>Sub Total</b>					<b>258405</b>	<b>31009</b>	<b>2584</b>	<b>25841</b>
K	<b>8<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 10 DLs/ha	DLs	12	60	531	31860			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	40	531	21240			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	8	40	531	21240			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	4	20	531	10620			
	Cattle watching, climber cutting & other Silvicultural works etc. 1 DLs/per/365 days		1	365	531	193815			
	<b>Sub Total</b>					<b>278775</b>	<b>33453</b>	<b>2788</b>	<b>27878</b>
L	<b>9<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 10 DLs/ha	DLs	10	50	584	29200			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	40	584	23360			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	6	30	584	17520			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 6 DLs/ha	DLs	4	20	584	11680			
	Cattle watching, climber cutting & other Silvicultural works etc. 1DLs/per/365 days		1	365	584	213160			
	<b>Sub Total</b>					<b>294920</b>	<b>35390</b>	<b>2949</b>	<b>29492</b>
M	<b>10<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 8 DLs/ha	DLs	10	50	642	32100			
	2 <sup>nd</sup> Weeding@ 6 DLs/ha	DLs	6	30	642	19260			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	6	30	642	19260			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 6 DLs/ha	DLs	4	20	642	12840			
	Cattle watching, climber cutting & other Silvicultural works etc. 1 DLs/per/365 days		1	365	642	234330			
	<b>Sub Total</b>					<b>317790</b>	<b>38135</b>	<b>3178</b>	<b>31779</b>
	<b>Total</b>								<b>4806352</b>
	<b>Over Head cost 50% of CA</b>								<b>2403176</b>
	<b>Grand Total</b>								<b>7209528</b>

(Rupees Seventy Two Lakhs Nine Thousand Five Hundred Twenty Eight Only)

Remarks:- The estimate prepared as per CAMPA Norms during the financial year 2020-21. The estimated norm has been enhanced by 10% on the item of works inserted in "Erection of fencing and infrastructure in Plantation area" for the CAMPA works in addition to the other maintenance works keeping in view the execution of works likely to be effected during the year 2021-22 onwards and thus anticipation of escalation of price of fencing materials etc.



### ABSTRACT

ERECTION OF FENCING	1185063
INFRASTRUCTURE IN PLANTATION AREA	319032
ADVANCE WORK	224168
CREATION & 1st YEAR MAINTENANCE	295495
2 <sup>nd</sup> YEAR MAINTENANCE	267525
3 <sup>rd</sup> YEAR MAINTENANCE	276012
4 <sup>th</sup> YEAR MAINTENANCE	263429
5 <sup>th</sup> YEAR MAINTENANCE	272377
6 <sup>th</sup> YEAR MAINTENANCE	288885
7 <sup>th</sup> YEAR MAINTENANCE	317839
8 <sup>th</sup> YEAR MAINTENANCE	342894
9 <sup>th</sup> YEAR MAINTENANCE	362751
10 <sup>th</sup> YEAR MAINTENANCE	390882
<b>Total</b>	<b>4806352</b>
<b>Overhead cost 50% of CA</b>	<b>2403176</b>
<b>Grand Total</b>	<b>7209528</b>

  
Divisional Forest Officer (T)  
Goalpara Division, Goalpara

**Norms for 11 ha. Afforestation (Artificial Regeneration) at Rakhyasini PRF under Goalpara Range**

Area (ha.)	11 ha.
Spacing ( m x m )	2x2
Number of Saplings /ha	2500
Length of fence (RM)	1485
Wage rate (Rs.)	273

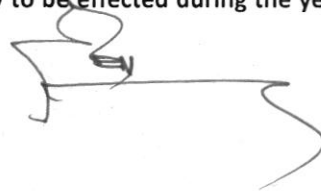
SL. N O	Particulars of works	Unit s	Qty./ ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable Rate of GST/Cess etc.			Total Amount (in Rs.)
							GST	Labour Cess	Contractor's Profit	
A	<b>ERECTION OF FENCING</b>									
	(a)Cost of full chain –linked Goat Proof fencing (4' ht with 10 Gauge, 3" dia link )with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be fitted on Pre-cast RCC pillars of specific specification and size as per details specification attached at 2.5 m apart including transportation, fitting and fixing for 1485 RM @ Rs. 1016 per RM as per estimate.	RMs		1485	1016	1508760				
	<b>Sub Total</b>					<b>1508760</b>	<b>105613</b>	<b>15088</b>	<b>0</b>	<b>1629461</b>
B	<b>INFRASTRUCTURE IN PLANTATION AREA</b>									
	Construction of camp hut as per estimate with installation of ring/tube well	Nos.		1	165000	165000				
	Cost of tools & implements	Nos.		1	5500	5500				
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	33000	33000				
	Camp accessories @ Rs. 5000/- per camp	Nos.		1	5500	5500				
	Construction of Inspection path 1485 RM @ Rs. 80/- RM	RMs		1485	80	118800				
	<b>Sub Total</b>					<b>327800</b>	<b>22946</b>	<b>3278</b>	<b>0</b>	<b>354024</b>
C	Site selection , surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	220	273	60060				
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 nos. Seedlings/ha @ Rs. 8 per ploypot.	DLs	2500	27500	8	220000				
	Preparation of polypot saplings in the field nursery for vacancy filling									
	(a) 25% mortality expected during 1 <sup>st</sup> year (to be planted in the field during 2 <sup>nd</sup> year) i.e. 625 seedlings per ha @ 8/polypot stump.	Nos.	625	6875	8	55000				
	(b) 20% mortality expected during 2 <sup>nd</sup> year (to be planted in the field during 3 <sup>rd</sup> year) i.e.500 seedlings per ha @ 8/polypot stump.		500	5500	8	44000				
	Cost of Bamboo, making of stacking & transportation etc.	Nos.	625	6875	1	6875				
	Line alignment carriage of stacking materials and fixing the stacking @ 5 DLs/ha	DLs	5	55	273	15015				
	<b>Sub Total</b>					<b>400950</b>	<b>48114</b>	<b>4010</b>	<b>40095</b>	<b>493169</b>
D	<b>CREATION &amp; 1st YEAR MAINTENANCE</b>									
	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 @ 40 DLs/ha.	DLs	40	440	273	120120				
	1 <sup>st</sup> Weeding@ 18 DLs/ha	DLs	18	198	273	54054				

	2 <sup>nd</sup> Weeding@ 15 DLs/ha	DLs	15	165	273	45045				
	3 <sup>rd</sup> Weeding@ 12 DLs/ha	DLs	12	132	273	36036				
	4 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	99	273	27027				
	5 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	99	273	27027				
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1 DL/11 ha/year	DLs	1	365	273	99645				
	<b>Sub Total</b>					<b>408954</b>	<b>49074</b>	<b>4090</b>	<b>40895</b>	<b>503013</b>
<b>E</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>									
	Vacancy filling including soil working carriage of stamps/polypot weeding	DLs	10	110	300	33000				
	1 <sup>st</sup> Weeding@ 18 DLs/ha	DLs	18	198	300	59400				
	2 <sup>nd</sup> Weeding@ 15 DLs/ha	DLs	15	165	300	49500				
	3 <sup>rd</sup> Weeding@ 12 DLs/ha	DLs	12	132	300	39600				
	4 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	99	300	29700				
	5 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	88	300	26400				
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 1DL/11 ha/year	DLs	1	365	300	109500				
	<b>Sub Total</b>					<b>347100</b>	<b>41652</b>	<b>3471</b>	<b>34710</b>	<b>423462</b>
<b>F</b>	<b>3<sup>rd</sup> YEAR MAINTENANCE</b>									
	Vacancy filling including soil working carriage of stamps/polypot weeding	DLs	10	110	330	36300				
	1 <sup>st</sup> Weeding@ 15 DLs/ha	DLs	15	165	330	54450				
	2 <sup>nd</sup> Weeding@ 12 DLs/ha	DLs	12	132	330	43560				
	3 <sup>rd</sup> Weeding@ 10 DLs/ha	DLs	10	110	330	36300				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	88	330	29040				
	5 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	88	330	29040				
	Cattle watching, upkeepment of plantation, repaining of camp hut and fire protection works @ 1 DL/11 ha/year	DLs	1	365	330	120450				
	<b>Sub Total</b>					<b>349140</b>	<b>41897</b>	<b>3491</b>	<b>34914</b>	<b>429442</b>
<b>G</b>	<b>4<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 15 DLs/ha	DLs	15	165	363	59895				
	2 <sup>nd</sup> Weeding@ 12 DLs/ha	DLs	12	132	363	47916				
	3rd Weeding@ 10 DLs/ha	DLs	10	110	363	39930				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	88	363	31944				
	Cattle watching, upkeepment of plantation, and fire protection works @ 1 DL/11 ha/year	DLs	1	365	363	132495				
	<b>Sub Total</b>					<b>312180</b>	<b>37462</b>	<b>3122</b>	<b>31218</b>	<b>383982</b>
<b>H</b>	<b>5<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	132	399	52668				
	2 <sup>nd</sup> Weeding@ 10 DLs/ha	DLs	10	110	399	43890				
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	88	399	35112				
	4th Weeding@ 8 DLs/ha	DLs	8	88	399	35112				
	Cattle watching, upkeepment of plantation, repairing of camp hut and fire protection works @ 1 DL/11 ha/year	DLs	1	365	399	145635				
	<b>Sub Total</b>					<b>312417</b>	<b>37490</b>	<b>3124</b>	<b>31242</b>	<b>384273</b>
<b>I</b>	<b>6<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	132	439	57948				
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	88	439	38632				
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	88	439	38632				
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	6	66	439	28974				
	Cattle watching, climber cutting & other Silvicultural works etc. 1DLs/per/365 days		1	365	439	160235				
	<b>Sub Total</b>					<b>324421</b>	<b>38931</b>	<b>3244</b>	<b>32442</b>	<b>399038</b>

J	<b>7<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	132	483	63756			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	88	483	42504			
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	88	483	42504			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	6	66	483	31878			
	Cattle watching, climber cutting & other Silvicultural works etc. 1 DLs/per/365 days		1	365	483	176295			
	<b>Sub Total</b>					<b>356937</b>	<b>42832</b>	<b>3569</b>	<b>35694</b>
K	<b>8<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 10 DLs/ha	DLs	12	132	531	70092			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	88	531	46728			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	8	88	531	46728			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	4	44	531	23364			
	Cattle watching, climber cutting & other Silvicultural works etc. 1 DLs/per/365 days		1	365	531	193815			
	<b>Sub Total</b>					<b>380727</b>	<b>45687</b>	<b>3807</b>	<b>38073</b>
L	<b>9<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 10 DLs/ha	DLs	10	110	584	64240			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	88	584	51392			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	6	66	584	38544			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 6 DLs/ha	DLs	4	44	584	25696			
	Cattle watching, climber cutting & other Silvicultural works etc. 1 DLs/per/365 days		1	365	584	213160			
	<b>Sub Total</b>					<b>393332</b>	<b>47200</b>	<b>3933</b>	<b>39333</b>
M	<b>10<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 8 DLs/ha	DLs	10	110	642	70620			
	2 <sup>nd</sup> Weeding@ 6 DLs/ha	DLs	6	66	642	42372			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	6	66	642	42372			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 6 DLs/ha	DLs	4	44	642	28248			
	Cattle watching, climber cutting & other Silvicultural works etc. 1 DLs/per/365 days		1	365	642	234330			
	<b>Sub Total</b>					<b>417942</b>	<b>50153</b>	<b>4179</b>	<b>41794</b>
	<b>Total</b>								<b>6905056</b>
	<b>Over Head cost 50% of CA</b>								<b>3452528</b>
	<b>Grand Total</b>								<b>10357584</b>


(Rupees One Core Three Lakhs Fifty Seven Thousand Five Hundred Eighty Four Only)

Remarks:- The estimate prepared as per CAMPA Norms during the financial year 2020-21. The estimated norm has been enhanced by 10% on the item of works inserted in "Erection of fencing and infrastructure in Plantation area" for the CAMPA works in addition to the other maintenance works keeping in view the execution of works likely to be effected during the year 2021-22 onwards and thus anticipation of escalation of price of fencing materials etc.



### ABSTRACT

ERECTION OF FENCING	1629461
INFRASTRUCTURE IN PLANTATION AREA	354024
ADVANCE WORK	493169
CREATION & 1st YEAR MAINTENANCE	503013
2 <sup>nd</sup> YEAR MAINTENANCE	423462
3 <sup>rd</sup> YEAR MAINTENANCE	429442
4 <sup>th</sup> YEAR MAINTENANCE	383982
5 <sup>th</sup> YEAR MAINTENANCE	384273
6 <sup>th</sup> YEAR MAINTENANCE	399038
7 <sup>th</sup> YEAR MAINTENANCE	439032
8 <sup>th</sup> YEAR MAINTENANCE	468294
9 <sup>th</sup> YEAR MAINTENANCE	483798
10 <sup>th</sup> YEAR MAINTENANCE	514068
<b>Total</b>	<b>6905056</b>
<b>Overhead cost 50% of CA</b>	<b>3452528</b>
<b>Grand Total</b>	<b>10357584</b>

  
Divisional Forest Officer (T)  
Goalpara Division, Goalpara

**Norms for 40 ha. Afforestation (Artificial Regeneration) at Bogulamari PRF under Goalpara Range**

Area (ha.)	40 ha.
Spacing ( m x m )	2x2
Number of Saplings /ha	2500
Length of fence (RM)	2707
Wage rate (Rs.)	273

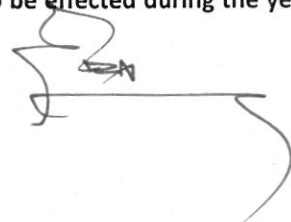
SL. N O	Particulars of works	Unit s	Qty./ ha.	Total Qty.	Rate/ Unit	Amount (Rs.)	Applicable Rate of GST/Cess etc.			Total Amount (in Rs.)
							GST	Labour Cess	Contractor's Profit	
<b>A</b>	<b>ERECTION OF FENCING</b>									
	(a)Cost of full chain –linked Goat Proof fencing (4' ht with 10 Gauge, 3" dia link )with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be fitted on Pre-cast RCC pillars of specific specification and size as per details specification attached at 2.5 m apart including transportation, fitting and fixing for 2707 RM @ Rs. 1016 per RM as per estimate.	RMs		2707	1016	2750312				
	<b>Sub Total</b>					<b>2750312</b>	<b>192522</b>	<b>27503</b>	<b>0</b>	<b>2970337</b>
<b>B</b>	<b>INFRASTRUCTURE IN PLANTATION AREA</b>									
	Construction of camp hut as per estimate with installation of ring/tube well	Nos.		1	165000	165000				
	Cost of tools & implements	Nos.		1	5500	5500				
	Cost of RCC signboard & Gate including fitting and fixing of the same	Nos.		1	33000	33000				
	Camp accessories @ Rs. 5000/- per camp	Nos.		1	5500	5500				
	Construction of Inspection path 2707 RM @ Rs. 80/- RM	RMs		2707	80	216560				
	<b>Sub Total</b>					<b>425560</b>	<b>29789</b>	<b>4256</b>	<b>0</b>	<b>459605</b>
<b>C</b>	<b>Site selection , surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.</b>	DLs	20	800	273	218400				
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 nos. Seedlings/ha @ Rs. 8 per ploypot.	DLs	2500	100000	8	800000				
	Preparation of polypot saplings in the field nursery for vacancy filling									
	(a) 25% mortality expected during 1 <sup>st</sup> year (to be planted in the field during 2 <sup>nd</sup> year) i.e. 625 seedlings per ha @ 8/polypot stump.	Nos.	625	25000	8	200000				
	(b) 20% mortality expected during 2 <sup>nd</sup> year (to be planted in the field during 3 <sup>rd</sup> year) i.e.500 seedlings per ha @ 8/polypot stump.		500	20000	8	160000				
	Cost of Bamboo, making of stacking & transportation etc.	Nos.	625	25000	1	25000				
	Line alignment carriage of stacking materials and fixing the stacking @ 5 DLs/ha	DLs	5	200	273	54600				
	<b>Sub Total</b>					<b>1458000</b>	<b>174960</b>	<b>14580</b>	<b>145800</b>	<b>1793340</b>
<b>D</b>	<b>CREATION &amp; 1st YEAR MAINTENANCE</b>									
	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 @ 40 DLs/ha.	DLs	40	1600	273	436800				
	1 <sup>st</sup> Weeding@ 18 DLs/ha	DLs	18	720	273	196560				

	2 <sup>nd</sup> Weeding@ 15 DLs/ha	DLs	15	600	273	163800				
	3 <sup>rd</sup> Weeding@ 12 DLs/ha	DLs	12	480	273	131040				
	4 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	360	273	98280				
	5 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	360	273	98280				
	Cattle watching, upkeepment of plantation, mulching and fire protection works @ 2DL/40 ha/year	DLs	2	730	273	199290				
	<b>Sub Total</b>					<b>1324050</b>	<b>158886</b>	<b>13241</b>	<b>132405</b>	<b>1628582</b>
<b>E</b>	<b>2<sup>nd</sup> YEAR MAINTENANCE</b>									
	Vacancy filling including soil working carriage of stamps/polypot weeding	DLs	10	400	300	120000				
	1 <sup>st</sup> Weeding@ 18 DLs/ha	DLs	18	720	300	216000				
	2 <sup>nd</sup> Weeding@ 15 DLs/ha	DLs	15	600	300	180000				
	3 <sup>rd</sup> Weeding@ 12 DLs/ha	DLs	12	480	300	144000				
	4 <sup>th</sup> Weeding@ 9 DLs/ha	DLs	9	360	300	108000				
	5 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	320	300	96000				
	Cattle watching, upkeepment of plantation, mulching and fire protection works @2DL/40 ha/year	DLs	2	730	300	219000				
	<b>Sub Total</b>					<b>1083000</b>	<b>129960</b>	<b>10830</b>	<b>108300</b>	<b>1332090</b>
<b>F</b>	<b>3<sup>rd</sup> YEAR MAINTENANCE</b>									
	Vacancy filling including soil working carriage of stamps/polypot weeding	DLs	10	400	330	132000				
	1 <sup>st</sup> Weeding@ 15 DLs/ha	DLs	15	600	330	198000				
	2 <sup>nd</sup> Weeding@ 12 DLs/ha	DLs	12	480	330	158400				
	3 <sup>rd</sup> Weeding@ 10 DLs/ha	DLs	10	400	330	132000				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	320	330	105600				
	5 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	320	330	105600				
	Cattle watching, upkeepment of plantation, repaining of camp hut and fire protection works @ 2 DL/40 ha/year	DLs	2	730	330	240900				
	<b>Sub Total</b>					<b>1072500</b>	<b>128700</b>	<b>10725</b>	<b>107250</b>	<b>1319175</b>
<b>G</b>	<b>4<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 15 DLs/ha	DLs	15	600	363	217800				
	2 <sup>nd</sup> Weeding@ 12 DLs/ha	DLs	12	480	363	174240				
	3 <sup>rd</sup> Weeding@ 10 DLs/ha	DLs	10	400	363	145200				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	320	363	116160				
	Cattle watching, upkeepment of plantation, and fire protection works @ 2 DL/40 ha/year	DLs	2	730	363	264990				
	<b>Sub Total</b>					<b>918390</b>	<b>110207</b>	<b>9184</b>	<b>91839</b>	<b>1129620</b>
<b>H</b>	<b>5<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	480	399	191520				
	2 <sup>nd</sup> Weeding@ 10 DLs/ha	DLs	10	400	399	159600				
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	320	399	127680				
	4 <sup>th</sup> Weeding@ 8 DLs/ha	DLs	8	320	399	127680				
	Cattle watching, upkeepment of plantation, repairing of camp hut and fire protection works @ 2 DL/40 ha/year	DLs	2	730	399	219270				
	<b>Sub Total</b>					<b>825750</b>	<b>99090</b>	<b>8258</b>	<b>82575</b>	<b>1015673</b>
<b>I</b>	<b>6<sup>th</sup> YEAR MAINTENANCE</b>									
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	480	439	210720				
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	320	439	140480				
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	320	439	140480				
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	6	240	439	105360				
	Cattle watching, climber cutting & other Silvicultural works etc. 2DLs/per/365 days		2	730	439	320470				
	<b>Sub Total</b>					<b>917510</b>	<b>110101</b>	<b>9175</b>	<b>91751</b>	<b>1128537</b>

J	<b>7<sup>th</sup> YEAR MAINTENANCE</b>								
	1 <sup>st</sup> Weeding@ 12 DLs/ha	DLs	12	480	483	231840			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	320	483	154560			
	3 <sup>rd</sup> Weeding@ 8 DLs/ha	DLs	8	320	483	154560			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	6	240	483	115920			
	Cattle watching, climber cutting & other Silvicultural works etc. 2DLs/per/365 days		2	730	483	352590			
	<b>Sub Total</b>					<b>1009470</b>	<b>121136</b>	<b>10095</b>	<b>100947</b>
K	<b>8<sup>th</sup> YEAR MAINTENANCE</b>								<b>1241648</b>
	1 <sup>st</sup> Weeding@ 10 DLs/ha	DLs	12	480	531	254880			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	320	531	169920			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	8	320	531	169920			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 8 DLs/ha	DLs	4	160	531	84960			
	Cattle watching, climber cutting & other Silvicultural works etc. 2DLs/per/365 days		2	730	531	387630			
	<b>Sub Total</b>					<b>1067310</b>	<b>128077</b>	<b>10673</b>	<b>106731</b>
L	<b>9<sup>th</sup> YEAR MAINTENANCE</b>								<b>1312791</b>
	1 <sup>st</sup> Weeding@ 10 DLs/ha	DLs	10	400	584	233600			
	2 <sup>nd</sup> Weeding@ 8 DLs/ha	DLs	8	320	584	186880			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	6	240	584	140160			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 6 DLs/ha	DLs	4	160	584	93440			
	Cattle watching, climber cutting & other Silvicultural works etc. 2DLs/per/365 days		2	730	584	426320			
	<b>Sub Total</b>					<b>1080400</b>	<b>129648</b>	<b>10804</b>	<b>108040</b>
M	<b>10<sup>th</sup> YEAR MAINTENANCE</b>								<b>1328892</b>
	1 <sup>st</sup> Weeding@ 8 DLs/ha	DLs	10	400	642	256800			
	2 <sup>nd</sup> Weeding@ 6 DLs/ha	DLs	6	240	642	154080			
	3 <sup>rd</sup> Weeding@ 6 DLs/ha	DLs	6	240	642	154080			
	Upkeepment of plantation and maintenance of inspection path, repairing of fencing, fire protection etc. on day to day basis @ 6 DLs/ha	DLs	4	160	642	102720			
	Cattle watching, climber cutting & other Silvicultural works etc. 2DLs/per/365 days		2	730	642	468660			
	<b>Sub Total</b>					<b>1136340</b>	<b>136361</b>	<b>11363</b>	<b>113634</b>
	<b>Total</b>								<b>18057988</b>
	<b>Over Head cost 50% of CA</b>								<b>9028994</b>
	<b>Grand Total</b>								<b>27086982</b>

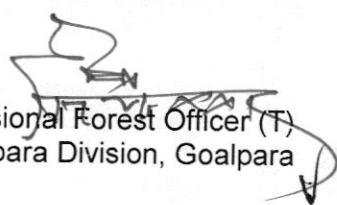
(Rupees Two Core Seventy Lakhs Eighty Six Thousand Nine Hundred Eighty Two Only)

Remarks:- The estimate prepared as per CAMPA Norms during the financial year 2020-21. The estimated norm has been enhanced by 10% on the item of works inserted in "Erection of fencing and infrastructure in Plantation area" for the CAMPA works in addition to the other maintenance works keeping in view the execution of works likely to be effected during the year 2021-22 onwards and thus anticipation of escalation of price of fencing materials etc.



### ABSTRACT

ERECTION OF FENCING	2970337
INFRASTRUCTURE IN PLANTATION AREA	459605
ADVANCE WORK	1793340
CREATION & 1st YEAR MAINTENANCE	1628582
2 <sup>nd</sup> YEAR MAINTENANCE	1332090
3 <sup>rd</sup> YEAR MAINTENANCE	1319175
4 <sup>th</sup> YEAR MAINTENANCE	1129620
5 <sup>th</sup> YEAR MAINTENANCE	1015673
6 <sup>th</sup> YEAR MAINTENANCE	1128537
7 <sup>th</sup> YEAR MAINTENANCE	1241648
8 <sup>th</sup> YEAR MAINTENANCE	1312791
9 <sup>th</sup> YEAR MAINTENANCE	1328892
10 <sup>th</sup> YEAR MAINTENANCE	1397698
<b>Total</b>	<b>18057988</b>
<b>Overhead cost 50% of CA</b>	<b>9028994</b>
<b>Grand Total</b>	<b>27086982</b>

  
Divisional Forest Officer (T)  
Goalpara Division, Goalpara