SCHEME FOR COMPENSATORY AFFORESTATION

PROJECT:- DIVERSION OF 4.136 HECTARE OF FOREST LAND IN KACHUGAON FOREST DIVISION OR CONSTRUCTION OF 400 KV TRANSMISSION LINE BY POWERGRID CORPORATION.

AND TOP CONTRACT TOPM A PROPERTY MICHAEL	0.5771
AREA FOR COMPENSATORY AFFORESTATION	8.5 HA
SPACING (METER)	2M X 2 M
NUMBER OF SAPLING/Ha	2500
LENGTH OF FENCING (RM)	1300 RM
WAGE RATE (AS PER CAMPA NORMS OF ASSAM FOREST DEPTT)	RS. 240
INCREASE IN WAGE RATE FOR SUBSEQUENT YEARS BY A FACTOR	- 1.1 1.1 m
APPRECIATION OF MATERIAL COST BY A FACTOR	1.1

S.No.	Particulars of Workers	Units	Qty./	Total Qty.	Rate / Unit	Amount (Rs.)		
A	ERECTION OF FENCING	Antennania						
	(a) Cost of full Chain-linked Goat Proof 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 for 1300 RM @ Rs. 800 per RM as per estimate	RMs		1300	800	1040000		
	(b) Wages for DLs for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/ 100 RM	DLs		260	240	62400		
	Sub-total					1102400		
В	INFRASTRUCTURE IN PLANTATION AREA					the de Person and the same		
	Construction of camp hut (at least one upto 25 ha & thereafter one per every 25 ha) as per estimate	nos.		1	150000	150000		
	Instalation of ring/tube well (at least one upto 10 ha & thereafter two per every 25 ha)	nos.		1	50000	50000		
	Irrigation facility with Diesel generator and hose pipes for watering the nursery and plantation (during dry spells)	nos.		1	50000	50000		
	Cost of tools & implements (One unit upto 25 ha & thereafter one unit per every 25 ha)	nos.		1	10000	10000		
	Cost of RCC signboard & Gate including fitting and fixing of the same (at least one upto 25 ha & thereafter one per every 25 ha)	nos.		1	60000	60000		
	Camp accessories @ Rs. 10,000/ per camp	nos.		1	10000	10000		
	Construction of Inspection Path 2380 RM @ Rs. 50/- RM	RMs		2380	50	119000		
	Sub-total					449000		
C	ADVANCE WORK							
	Site selection, surveying, demarcations, jungle cutting, burning etc. 20 DLs/ha	DLs	20	170	240	40800		
	Prepration and acquisition of polypot saplings in the field nursery for planting 2500 Nos. seedlings/ha @ Rs. 8/- per polypot/stump.	Nos.	2500	21250	8	170000		
	Prepration of polypot saplings in the field nursery for vacancy filling							
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 Seedlings/ ha @ Rs. 8/-per polypot/stump	Nos.	625	5313	8	42504		
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e. 500 Seedlings/ ha @ Rs. 8/-per polypot/stump	Nos.	500	4250	8	34000		
	c) 15% mortality expected during 3rd year (to be planted in the field during the 4th year) i.e. 375 Seedlings/ ha @ Rs. 8/-per polypot/stump	Nos.	375	3187.5	8	25500		
	d) 10% mortality expected during 4th year (to be planted in the field during the 5th year) i.e. 250 Seedlings/ ha @ Rs. 8/-per polypot	nos.	375	3187.5	8	25500		



	Supervision and Monitoring	L.S.				1000
D	Sub-total					137504
D	CREATION & 1st YEAR MAINTENANCE (@ 240/DLS)					
	Soil working, carriage of stumps, polypot seedling and					
	planting at the plantation site including, dibbling of seeds	DLs	40	340	240	8160
	wherever necessary to complete raising of plantation with all	DES	40	340	240	8100
	necessary operation @ 40 DLs/ ha					2
	5 weedings, mulching and fire protection works @ 18	DLs	90	765	240	100.40
	DLS/ha/weeding	DLS	90	703	240	18360
	Upkeepment of plantation, and making of inspection path,	DLs	5	42.5	240	1000
	reparing of fence etc. on day to day basis @ 5 DLS/ha	DLS		72.3	240	1020
	Maintenance and protection of field nursery and watch and	DLs	1	365	240	8760
	ward for the plantation area (1 DLS for 365 days). Maintenance of camp huts, implements, ring/tube-well,	-			210	0700
	upkeepment of plantation, signboard, documentation, upkeepment of records and other misc. work	L.S.				1000
	Awareness & Monitoring @ Rs. 800/ha					
		L.S.		8.5	800	680
10	Sub-total					37980
E	2 nd YEAR MAINTENANCE (@ 264/DLS)					
	5 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	75	637.5	264	168300
	25% Vacancy filling by 1 year old seedlings from	DLs				
	nursery@10DLs/ha	DLS	10	85	264	22440
	Upkeepment of plantation, and making of inspection path,	DLs				
	reparing of fence etc. on day to day basis @ 5 DLs/ha	220	5	42.5	264	11220
	Maintenance and protection of field nursery and watch and	DLs				
	ward for the plantation area (1 DL for 365 days). Maintenance of camp huts, implements, ring/tube-well,			365	264	96360
	upkeepment of plantation, signboard, documentation,	1				
	upkeepment of records etc.	L.S.				
	Supervision Cost	TC				11000
	Contingency L.S.	L.S.				2912
	Sub-total	L.S.				2500
F						314732
	3rd YEAR MAINTENANCE (@ 290/DLS)					
	4 weedings, fire protection works @ 15 DLs/ha/weeding	DLs	60	510	290	147900
	20% Vacancy filling by 2 year old seedlings from	DLs				
	nursery@8DLs/ha		8	68	290	19720
	Protection work, cattle watching, upkeepment of plantation,					
	and making of inspection path, reparing of fence etc. on day to day basis @ 5 DLs/ha	DLs	-			
	Maintenance and protection of field nursery and watch and		5	42.5	290	12325
	ward for the plantation area (1 DL for 365 days).	DLs		265	200	
	Maintenance of camp huts, implements, ring/tube-well,			365	290	105850
	upkeepment of plantation, signboard, documentation,	L.S.				
	upkeepment of records etc.	12.5.				12100
	Supervision Cost	L.S.		1		12100 2912
	Contingency @ 15% over previous year	L.S.				2875
	Sub-total	D.O.				303682
G	4 th YEAR MAINTENANCE (@ 319/DLS)					303002
	4 weedings, fire protection works @ 15 DLs/ha/weeding	DI	col	510		
	15% Vacancy filling by 2 year old seedlings from	DLs	60	510	319	162690
	nursery@6DLs/ha	DLs		Pal	240	4124120
	Upkeepment of plantation, and making of inspection path,		6	51	319	16269
	reparing of fence etc. on day to day basis @ 5 DLs/ha	DLs	-	40.5	210	
	Maintenance and protection of field nursery and watch and		5	42.5	319	13557.5
- 1	protection of field flatsery and watch and	DLs		365	210	11/10-
	ward for the plantation area (1 DI, for 365 days)			3031	319	116435
	ward for the plantation area (1 DL for 365 days). Maintenance of camp huts, implements, ring/tube-well					
	ward for the plantation area (1 DL for 365 days). Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation,	L.S.				



	Supervision Cost	L.S.		T	Т	291
	Contingency @ 15% over previous year	L.S.				330
	Sub-total					328479.
H	5 th YEAR MAINTENANCE (@ 351/DLS)					020477.
	Climber cutting, weedings and other silvicultural works and fire protection works @ 15 DLs/ha	DLs	15	127.5	351	44752.
	10% Vacancy filling by 2 year old seedlings from nursery@4DLs/ha	DLs	4	34	351	1193
	Maintenance & fencing post replacement @ 3% initial cost of material		$\neg \uparrow$	0.03	1040000	3120
	Upkeepment of plantation, and making of inspection path,	DLs	4	34	351	1193
	reparing of fence etc. on day to day basis @ 4 DLs/ha Watch and ward for the plantation area (1 DL for 365 days)	DLs		365		
	Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation,	L.S.		303	351	12811
	upkeepment of records etc. Supervision Cost	L.S.				
	Contingency @ 15% over previous year	L.S.				3802
	Sub-total					249290.5
I	6 th YEAR MAINTENANCE (@ 386/DLS)					47747U.
	Climber cutting, other silvicultural works and fire protection works @ 15 DLs/ha	DLs	15	127.5	386	49215
	Upkeepment of plantation, and making of inspection path, reparing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	34	386	13124
	Watch and ward for the plantation area (1 DL for 365 days)	DLs	_	365	206	
	Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation,	L.S.		303	386	140890
	upkeepment of records etc.					
	Supervision Cost	L.S.				2912
	Contingency @ 15% over previous year	L.S.				4373
J	Sub-total					226619
J	7th YEAR MAINTENANCE (@ 425/DLS)					
	Climber cutting, other silvicultural works and fire protection works @ 12 DLs/ha	DLs	12	102	425	43350
	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, reparing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	42.5	425	18062.5
	Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S.				17716
	Supervision Cost	L.S.				2912
	Contingency @ 15% over previous year	L.S.				5028
	Sub-total					87068.5
K	8 th YEAR MAINTENANCE (@ 468/DLS)			-		
	Climber cutting, other silvicultural works and fire protection works @ 8 DLs/ha	DLs	8	68	468	31824
	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, reparing of fence etc. on day to day basis @ 5 DLs/ha	DLs	5	42.5	468	19890
	Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S.				19487
	Supervision Cost	L.S.				2912
	Contingency @ 15% over previous year	L.S.				5783
	Sub-total					79896
L	9 th YEAR MAINTENANCE (@ 515/DLS)					
	Climber cutting, other silvicultural works and fire protection works @ 7 DLs/ha	DLs	7	59.5	515	30642.5



		LAKHS	THIRT	,36,500/-) RUPEES FIFTY SEVEN THIRTY SIX THOUSAND FIVE ED ONLY)			
	Grand Total Cost (CA + Overhead Expenditure) Rs.			5736500.25			
	Overhead Expenditure (50% of the CA Cost) Rs.				191	2166.75	
	Total Cost of Compensatory Afforestation Rs.				38	24333.5	
	Sub-total					82334	
	Contingency @ 15% over previous year	L.S.				7648	
	Supervision Cost	L.S.				2912	
	Maintenance of camp huts, implements, ring/tube-well, upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S.				23579	
	Protection work, cattle watching, upkeepment of plantation, and making of inspection path, reparing of fence etc. on day to day basis @ 4 DLs/ha	DLs	4	34	567	19278	
M	10 th YEAR MAINTENANCE (@ 567/DLS) Climber cutting, other silvicultural works and fire protection works @ 6 DLs/ha	DLs	6	51	567	28917	
7.5	Sub-total					83528	
	Contingency @ 15% over previous year	L.S.				6650	
	Supervision Cost	L.S.				2912	
	upkeepment of plantation, signboard, documentation, upkeepment of records etc.	L.S.				21436	
	day basis @ 5 DLs/ha Maintenance of camp huts, implements, ring/tube-well,						
	and making of inspection path, reparing of fence etc. on day to	DLs	5	42.5	515	21887.5	

SIGNATURE:-

NAME :- S. K. BASUMATARY

DFO, KACHUGAON FOREST DIVISION

Divisional Farest Officer,
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Technically Approved by

Addl. Principal Chief Conservator of Forests
Cum Council Head of Department, Forests
Bodeland Territorial Council
Kokrajhar