

Norms for undertaking compensatory Afforestation scheme for Diversion of 0.08 ha of Forest land for providing water supply from Ka Riat Tynrah spring source to Lawsohtun village at Riat Laban Reserve Forest, Shillong

Wage rate= Current wage rate (where "z" is notified wage rate by labour department on the date of paymnet by User agency

Rate of wages fixed by labour Department = Rs. 373/-

Sl.no	Item of Work	Mandays	Wages Rate	Rate (in terms of z)
Creation and 1st Year Maintenance of Plantation, Wage Rate is 1.12 x z				
	Wage rate is Rs	1.12	373	417.76
Sl.no	Item of Work	Mandays	Wages Rate	rate (in terms of z)
1	Plantation of nursery seedling including carriage from nursery centres to plantation sites and proper ramming after planting etc.	20	417.76	8355.20
2	Cost of manure and bio-fertilizer	40	417.76	16710.40
3	Mulching and 3 times weeding	50	417.76	20888.00
4	Fire protection during dry and windy season i) wages of fire watchers from November of the creation year to April of the following year.	10	417.76	4177.60
	ii)Fireline clearance including controlled burning form November in the cration year to April of the following year	10	417.76	4177.60
5	2nd year maintenance of poly pot nursery	3.2	417.76	1336.83
6	Maintenace of cramp hut,signboard, documentation, protection from grazing, upkeep of records and other miscellaneous works	30	417.76	12532.80
7	Supervision cost	12	417.76	5013.12
	Sub Total	175.2		73191.55
8	Soil & Moisture conservation measures in the plantation area @15% of the total cost of 1st year creation.	26.28	417.76	10978.73
9	Monitoring & Evaluation @2%	3.5	417.76	1462.16
10	Adding 8.5% being contingency due to escalation cost of materials etc.after ascertaining the rate of interest dure to accrue from CA money to be deposited by Useer Agency.	17.42	417.76	7277.38
	Total for 1st Year creation and maintenance	222.40		92909.82

Second Year Maintenance of Plantation					
Wage rate is Rs.		1.26	373	469.98	
Sl.no	Item of Work	Mandays	Wages Rate	Rate (in terms of z)	
1	Vacancy filling by one year old seedlings in mortality areas	5	469.98	2349.90	
2	Climber cutting and weedings 3 times	45	469.98	21149.10	
3	Fire Protection				
	i) Wages of fire watchers	10	469.98	4699.80	
	ii) Fire line clearance including controled	10	469.98	4699.80	
4	Maintenance of cramp hut, signboard, inspection paths fencing protection from grazing documentation upkeep of records and other miscellaneous works.	30	469.98	14099.40	
5	Supervision cost	12	469.98	5639.76	
	Sub total	112		52637.76	
6	Provision for soil & moisture conservation measures in the plantation area @15%	16.8	469.98	7895.66	
7	Monitoring & Evaluation @2 %	2.24	469.98	1052.76	
	Adding 8.5% being contingency due to escalation cost ets.after ascertaining the rate of interest due to accrue from CA money to be deposit by user agency	11.14	469.98	5235.58	
	Total in the 2nd year	142.18		66821.76	

Third Year Maintenance of Plantation					
Wage rate is Rs.		1.41	373	525.93	
Sl.no	Item of Work	Mandays	Wages Rate	Rate (in terms of z)	
1	Vacancy filling wherever necessary	4	525.93	2103.72	
2	Climber cutting and weedings 3 times	45	525.93	23666.85	
3	Fire protection				
	i) Wages of Fire watchers	10	525.93	5259.30	
	ii) Fire line clearance including controlled	10	525.93	5259.30	
4	Maintenance of cramp hut, signboard, fencing inspection paths, protection from grazing, documents upkeep of records and other miscellaneous works	30	525.93	15777.90	
5	Supervision cost	12	525.93	6311.16	
	Sub Total	111		58378.23	
6	Provision for soil & moisture conservation measures in the plantation area @ 15%	16.65	525.93	8756.73	
7	Monitoring & evaluation @2%	2.22	525.93	1167.56	
8	Adding 8.5% being contingency due to escalation cost etc.after ascertaining the rate of interest due to accrue from CA money to be deposited by user agency	11.04	525.93	5806.27	
	Total in the 3rd year	140.91		74108.80	

Fourth Year Maintenance of Plantation				
Wage rate is Rs.		1.58	373	589.34
Sl.no	Item of Work	Mandays	Wage rate	Rate (in terms of z)
1	Vacancy filling wherever necessary	2	589.34	1178.68
2	Climber cutting and three times weeding	45	589.34	26520.30
3	i) Wages of Fire watchers	10	589.34	5893.40
	ii) Fireline clearance including controlled burning, etc	10	589.34	5893.40
4	Maintenance of cramp hut, signboard, fencing, inspection paths protection from grazing, documentation, upkeep of records and other miscellaneous works.	30	589.34	17680.20
5	Supervision cost	12	589.34	7072.08
	Sub total	109		64238.06
6	Provision for soil & moisture conservation measures in the plantation area @ 15%	16.35	589.34	9635.71
7	Monitoring & evaluation @2%	2.18	589.34	1284.76
8	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accrue from CA money to be deposited by user agency	10.84	589.34	6388.45
	Total in the 4th year	138.37		81546.98

Fifth Year Maintenance of Plantation					
Wage rate is Rs.		1.77	373	660.21	
Sl.no	Item of Work	Mandays	wage rate	Rate (in terms of z)	
1	Climber cutting including silvicultural works and two times weeding	30	660.21	19806.30	
2	i) Wages of fire watchers	10	660.21	6602.10	
	ii) Maintenance of Fireline including controlled burning etc	10	660.21	6602.10	
3	Maintenance of camp hut, signboard, fencing, inspection paths, protection from grazing, documentation, upkeep of records and other miscellaneous works.	30	660.21	19806.30	
4	Supervision cost	12	660.21	7922.52	
	sub total	92		60739.32	
5	Provision for soil & moisture conservation measures in the plantation area @ 15%	13.8	660.21	9110.90	
6	Monitoring & Evaluation @ 2%	1.84	660.21	1214.79	
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accrue from CA money to be deposited by User agency	9.15	660.21	6040.92	
	Total in the 5th year	116.79		77105.93	

Sixth Year Maintenance of Plantation					
Wage rate is Rs		1.98	373	738.54	
Sl.no	Item of Work	Mandays	Wage rate	Rate (in terms of z)	
1	Climber cutting including silvicultural works	20	738.54	14770.80	
2	i) wages of faire watcher	10	738.54	7385.40	
	ii) maintenace of fireline including controlled burning etc.	10	738.54	7385.40	
3	Maintenace of cramp hut, signborad, fencing, inspection paths, protection from grazing, documentation, upkeep of records and other miscellaneaous works.	30	738.54	22156.20	
4	Supervision Cost	12	738.54	8862.48	
	Sub Total	82		60560.28	
	Provision for soil & moisture conservation measures in the plantation area @ 15%	12.3	738.54	9084.04	
	Monitoring & evaluation @ 2%	1.64	738.54	1211.21	
	escalation cost etc.after ascertaining the rate of interest due to accrue from CA money to be deposited by the user agency.	8.15	738.54	6019.10	
	Total in the 6th Year	104.09		76874.63	

Seventh Year Maintenance of Plantation					
Wage rate is Rs		2.22	373	828.06	
Sl.no	Item of Work	Mandays	Wage rate	Rate (in terms of z)	
1	Climber cutting including silviculture works	16	828.06	13248.96	
2	i) Wages of fire watcher	10	828.06	8280.60	
	ii) Maintenance of fireline including controlled burning etc.	10	828.06	8280.60	
3	Maintenace of cramp hut, singborad, fencing, inspection paths, protection from grazing, documentation, upkeep of records and othe miscellanous works.	30	828.06	24841.80	
4	supervision Cost	12	828.06	9936.72	
	Sub total	78		64588.68	
	Provision for soil & moisture conservation measures in the plantation area @ 15%	11.7	828.06	9688.30	
	Monitoring & Evaluation @ 2%	1.56	828.06	1291.77	
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accre from CA money to be deposited by user agency.	7.76	828.06	6425.75	
	Total in the 7th year	99.02		81994.50	

Eight year maintenace of Plantation					
wage rate is Rs.		2.49	373	928.77	
Sl.no	Item of Work	Mandays	Wage Rate	Rate (in terms of z)	
1	climber cutting including silvicultural works	14	841.62	11782.68	
2	i) wage of fire watchers	10	841.62	8416.20	
	ii) maintenace of Fireline including controlled burning etc	10	841.62	8416.20	
3	Maintenace of cramp hut, signboard, fencing, inspection paths, protetion from grazing, documentation, upkeep of records and other miscellaneous	30	841.62	25248.60	
4	Supervision cost	12	841.62	10099.44	
	Sub atotal	76		63963.12	
5	Provision for soil & moisture conservation measures in the plantation area @ 15%	11.4	841.62	9594.47	
6	Monitoring & Evaluation area @ 15%	1.52	841.62	1279.26	
	Adding 8.5% being contingel due to escalation cost after ascertaining the rate of interest due to accrue from CA money to be deposited by the user agency	7.56	841.62	6362.65	
	Total in he 8th year	96.48		81199.50	

Ninth year maintenace of Plantation				
wage rate is Rs.		2.79	373	1040.67
Sl.no	Item of Work	Mandays	Wage rate	Rate (in terms of z)
1	Climber cutting including siliviculture works	12	943.02	11316.24
2	i) Wages of fire watchers	10	943.02	9430.20
	ii) Maintenace of fireline including controlled burning etc	10	943.02	9430.20
3	Maintenace of cramp hut, signboard, fencing, inspection paths, protection from grazing, documentation, upkeep of	30	943.02	28290.60
4	Supervision cost	12	943.02	11316.24
	Sub Total	74		69783.48
5	Provision for soil & Moisture conservation measures in the plantation area @15%	11.1	943.02	10467.52
6	Monitoing & evaluation @ 2%	1.48	943.02	1395.67
7	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accure from CA money to be deposited by the User agency	7.36	943.02	6940.63
	Total in the 9th year	93.94		88587.30

Tenth year maintenace of Plantation				
Wage Rate is Rs		3.12	373	1163.76
Sl.no	Item of Work	Mandays	wage rate	Rate (in terms of z)
1	climber cuting siliviculture works	10	1054.56	10545.60
2	i) wages of fire watchers	10	1054.56	10545.60
	ii) maintenace of fireline including controlled burning etc.	10	1054.56	10545.60
3	Maintenace of cramp hut, signboard, inspection paths, protection from grazing, documentation, upkeep of records and other miscellaneous works	30	1054.56	31636.80
4	Supervision cost	12	1054.56	12654.72
5	Misc.expenditure e.g salvaging of fencing materials from the plantation centre wherever fencing is no longer necessary	6	1054.56	6327.36
	Sub Total	78		82255.68
6	Provision for soil & moisture conservation measures in the plantation area @15%	11.7	1054.56	12338.35
7	Monitoring & evaluation @ 2%	1.56	1054.56	1645.11
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accure from cA money to be deposited by the user Agency	7.76	1054.56	8183.39
	Total in the year 10th Year	99.02		104422.53

Cost Abstract for Compensatory Afforestation Scheme			
Sl.No	Year	Mandays	Amount in terms of z (where "z" is notified wage rate on the date of payment by the User agency)
2	First year creation and maintenace	222.40	92909.82
3	Second year maintenace	142.18	66821.76
4	Third Year maintenace	140.91	74108.80
5	Fourth year maintenace	138.37	81546.98
6	Fifth Year Maintenace	116.79	77105.93
7	Sixth Year maintenace	104.09	76874.63
8	Seventh Year maintenace	99.02	81994.50
9	Eight year maintenace	96.48	81199.50
10	Ninth Year maintenace	93.94	88587.30
11	Tenth year maintenace	99.02	104422.53
	Grand total per hectare	1253.2	825571.74

Cost for raising Compensatory afforestation for 1 Ha for tall seedlings= Rs 8,25,572/-

Area for planting 1000 trees= 1.00 ha

Area for planting 100 trees= 0.10 ha

Hence cost for raising 100 tall seedlings = Rs 82,557/-

Rupees Eighty two thousand five hundred fifty seven only


 Divisional Forest Officer
 East Khasi Hills & Ri-Bhoi District
 Shillong.