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Meghalaya Livelihood Improvement
through Forest Enhancement



Meghalaya Basin
Development Authority



Japan International
Cooperation Agency

No. MBDA/JICA/2023/72/1014

Dated: Shillong, the^{9th} May, 2023

Office Order


Sub: Cost Norm for different models of ANR & AR Plantation for implementation at MegLIFE Project Villages

Plantation cost norms for different models of AR & ANR with maintenance for 4 years are enclosed herewith for your information and necessary action. These norms are based on Minimum Wage rate for unskilled labour as notified by Labour Commissionerate, Govt. of Meghalaya vide Notice No. LBG 75/2012/722 dt.21st October, 2022 (i.e., Rs. 381/- per person day).

Village wise plantation model wise sanctions will be issued from SPMU. Booking of expenditure in books of accounts of VPICs should be done after final/re-survey of plantation plots.

All BPMs are asked to discuss the cost norms with the VPICs and finalize labour list for plantation works for the plantation year 2023. Finalization of activity wise labour list and withdrawal of fund for plantations should be discussed in VPIC Executive Committee Meeting and resolution should be recorded properly in VPIC Minutes Register.

Enco- Model wise Cost Norms for Plantations


(Gunanka DB, IFS)
Additional Project Director
MegLIFE, MBDA Shillong

Copy to:

1. The Project Director, MegLIFE, MBDA, Main Secretariate Building, Shillong
2. All DPMs/BPMs - for necessary action


Additional Project Director
MegLIFE, MBDA Shillong

**Cost Norms for the Plantation Model 'Afforestation on Barren Lands'
(Artificial Regeneration) with planting of 1111 seedlings/ ha. In 3Mx3M
spacing.**

Labour Wages: Rs. 381/ for unskilled workers.

S. No	Item of Work	Time of work	Unit/Man-days/ Per Ha	Amount in Rs.
0th Year-Advance Work:				
1	<u>The selected site is surveyed using GPS:</u> Pre-survey by clearing jungle 1.5 M wide strip by using GPS instrument. Track polygon (raw data) is to be submitted within 5 days after completion of survey	Feb-March	2	762
2	<u>Marking of boundaries at strategic points:</u>	Feb-March	LS	1000
3	<u>Cutting of unnecessary jungle/weeds and disposal:</u> Site preparation including cutting of jungle/weeds, flushing to the ground, drying and control burning and reburning of debris and disposal of debris.	Feb-March	5	1905
4	<u>Fencing:</u> Fencing along the periphery of the plot live hedges with local fencing materials with bamboo and timber poles etc.	March-Apr	30	11,430
Total				15,097
1st Year-Planting				
6	<u>Staking out and digging of pits:</u> Digging of pits of 30 cm x 30cm x 30 cm size up to 1111 nos pits in 3m x 3m spacing.	Apr-May	10	3810
7	<u>Transportation of seedlings and planting:</u> Transporting cost including loading/unloading of seedlings, manual carrying if any and planting and re-filling of pits after removal of foreign materials, breaking of clods and planting of stumps/ rhizome /seedling after removal of seedling pots/polybags. This also includes pitting with crowbar for teak stump planting. Ensuring proper ramming after planting.	May-June	31	11,811
8	<u>Resurvey using GPS:</u>	June-July	2	762
9	<u>First Weeding</u> including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds inbetween the lines and flushing to the ground level.	July	15	5715
10	<u>Second Weeding</u> including base	August-Sep	15	5715

S. No	Item of Work	Time of work	Unit/Man-days/ Per Ha	Amount in Rs.
	cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds inbetween the lines and flushing to the ground level			
11	Third Weeding / Winter Cleaning including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds inbetween the lines and flushing to the ground level	Oct-Nov	12	4572
12	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
13	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
Total				38,100
2nd year Plantation-Maintenance:				
14	Transporting cost including loading/unloading and carrying of seedlings for vacancy filling of 10% including Planting and proper ramming after planting.		19	7239
15	First Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
16	Second Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	August-Sep	15	5715
17	Third Weeding / Winter Cleaning including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	Oct-Nov	12	4572
18	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
19	Engagement of a watch and ward responsible for maintenance of	Nov-Apr	10	3810

S. No	Item of Work	Time of work	Unit/Man-days/ Per Ha	Amount in Rs.
	fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.			
Total				28,956
3rd Year-Maintenance				
20	First Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
21	Second Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	August-Sep	15	5715
22	Third Weeding / Winter Cleaning including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	Oct-Nov	12	4572
23	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
24	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
Total				21717
4th Year-maintenance				
25	One Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
26	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
27	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
Total				11,430
5th Year-Maintenance				

S. No	Item of Work	Time of work	Unit/Man-days/ Per Ha	Amount in Rs.
28	One Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
29	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
30	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
	Total			11,430
Grand Total of 0th, 1st, 2nd, 3rd, 4th, & 5th Year				126730

Cost Norms for the Plantation Model 'Restoration of timber resources (ANR with enrichment planting) and Restoration of natural vegetation (ANR)with planting of at least 400 seedlings per ha.

Labour Wages: Rs. 381/ for unskilled workers.

Sl no.	Item of works	Time of Work	Unit/man-days per 1 ha.	Amount (In Rs)
0th Year-Advance Work:				
1	<u>The selected site is surveyed using GPS:</u> Pre-survey by clearing jungle 1.5 M wide strip by using GPS instrument. Track polygon (raw data) is to be submitted within 5 days after completion of survey	Feb-March	2	762
2	<u>Marking of boundaries at strategic points:</u>	Feb-March	LS	1000
3	<u>Cutting of unnecessary trees and shrubs & disposal:</u> Site preparation including cutting of jungle/weeds, flushing to the ground drying and disposal of debris outside the plot and without burning. Etc.	Feb-March	3	1143
4	<u>Removal of unwanted coppice:</u> including singling out of 2 best leading shoots of coppice and cutting down of the other less promising shoots and cutting of old malformed trunk if any, to support coppicing from rootstock.	Feb-March	2	762
5	<u>Fencing:</u> Fencing along the periphery of the plot live hedges with local fencing materials with bamboo and timber poles etc.	March-Apr	30	11430
Total				15,097
1st Year-Planting				
6	<u>Staking out and digging of pits:</u> Digging of pits of 30 cm x 30cm x 30 cm size up to 400 nos pits in 3m x 3m spacing.	Apr-May	6	2226
7	<u>Transportation of seedlings and planting:</u>	May-June	15	5715

Sl no.	Item of works	Time of Work	Unit/man-days per 1 ha.	Amount (In Rs)
	Transporting cost including loading/unloading of seedlings, manual carrying if any and planting and re-filling of pits after removal of foreign materials, breaking of clods and planting of stumps/ rhizome /seedling after removal of seedling pots/polybags. This also includes pitting with crowbar for teak stump planting. Ensuring proper ramming after planting.			
8	<u>Resurvey using GPS:</u>	June-July	2	762
9	<u>First Weeding</u> including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
10	<u>Second Weeding</u> including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	August-Sep	15	5715
11	<u>Third Weeding / Winter Cleaning</u> including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	Oct-Nov	12	4572
12	<u>Making of fire line and inspection path:</u> Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
13	<u>Engagement of a watch and ward</u> responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
<u>Total</u>				30420
<u>2nd year Plantation-Maintenance:</u>				
14	<u>Transporting cost including loading/unloading and carrying of seedlings for vacancy filling of</u>		5	1905

Sl no.	Item of works	Time of Work	Unit/man-days per 1 ha.	Amount (In Rs)
	10% including Planting and proper ramming after planting.			
15	First Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
16	Second Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	August-Sep	15	5715
17	Third Weeding / Winter Cleaning including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	Oct-Nov	12	4572
18	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
19	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
Total				23622
<u>3rd Year-Maintenance</u>				
20	First Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
21	Second Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	August-Sep	15	5715

Sl no.	Item of works	Time of Work	Unit/man-days per 1 ha.	Amount (In Rs)
22	Third Weeding / Winter Cleaning including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level	Oct-Nov	12	4572
23	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
24	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
Total				21717
<u>4th Year-maintenance</u>				
25	One Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
26	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
27	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
Total				11430
<u>5th Year-Maintenance</u>				

Sl no.	Item of works	Time of Work	Unit/man-days per 1 ha.	Amount (In Rs)
28	One Weeding including base cleaning (Ring Cleaning) at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines and flushing to the ground level.	July	15	5715
29	Making of fire line and inspection path: Making fire line of 4m wide outside the boundary of plantation site & diagonal inspection path of 1 m wide across inside the plot by scraping with spade and maintenance of the same throughout the dry season.	Nov-April	5	1905
30	Engagement of a watch and ward responsible for maintenance of fencing, cattle watching etc. His/her continuation will be based on survival percentage of plants.		10	3810
Total				11430
Grand Total 0th 1st 2nd 3rd 4th & 5th Year				1,13,716