



GOVERNMENT OF MEGHALAYA
OFFICE OF THE EXECUTIVE ENGINEER, WATER RESOURCES DEPARTMENT
SOUTH GARO HILLS DIVISION, BAGHMARA

NO.E.E(WR)/SGH/ TB-82 /2021-22/ 746

Dated Baghmara the 1st March 2022

To,

✓
The Chief Engineer (WR)
Meghalaya, Shillong

Subject:- Submission the report for Diversion of 0.1 ha of Angratoli Reserve Forest Land for construction of Telekali Flow Irrigation Projects under Gasuapara C & RD Block, Baghmara

Reference No. SGH/SF&T/WR/FIP/168/1940 Dated Baghmara, the 23rd Feb.2022

Madam,

With Reference to the subject and reference no. cited above, I have the honour to forward herewith the letter received from Divisional Forest Officer, Social Forestry & Territorial Division, South Garo Hills District, Baghmara regarding the point wise compliance report to stage-I for Diversion of 0.1 ha of Angratoli Reserve Forest Land for construction of Telekali Flow Irrigation Projects under Gasuapara C & RD Block, Baghmara . I request you to released fund to do payment for the cost of Compensatory Afforestation including for other cost an amount of Rs. 4,79,502.00 (Rupees Four lakhs seventy nine thousand five hundred and two) only.

This is for favour of your kind information and necessary action.

Enclosed:- As stated above.

Yours Faithfully,

Executive Engineer (WR)
South Garo Hills Division
Baghmara.

Dated Baghmara the 1st March 2022

Memo NO.E.E(WR)/SGH/ TB-82 /2021-22/

Copy to;

1. The Superintending Engineer (WR), Garo Hills Circle, Tura for favour of kind information.
2. Office Copy.

—
Executive Engineer (WR)
South Garo Hills Division,
Baghmara

T.B-82

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28/2/22

Government of Meghalaya
Office of the Divisional Forest Officer::Social Forestry & Territorial Division
South Garo Hills, Baghmara

No.SGH/SF&T/WR/FIP/168/1940

Dated Baghmara, the 23rd February, 2022

To,

The Executive Engineer (WR)
South Garo Hills Division, Baghmara.

Sub: Diversion of 0.1 ha of Angratoli Reserve Forest Land for Construction of Telekali Flow Irrigation Project by Water Resources Department, Baghmara.

Ref. 1) No.MFG.22/542/13479 Dt.24/01/2022.

Sir,

With reference to the subject cited above, please find enclosed letter from Deputy Conservator of Forests, FC Act, Meghalaya, Shillong vide letter No.MFG.22/542/13479 Dt.24/01/2022. In this regard, point wise compliance report to Stage-I Approval should be submitted to the undersigned for further necessary action.

The details are enclosed for favour of your kind information and necessary action.

Yours faithfully

Enclosed: As above.

M.S.

(M.M.Sangma)

Divisional Forest Officer
Social Forestry & Territorial Division
South Garo Hills District, Baghmara

Memo No.SGH/SF&T/WR/ FIP/168/
Copy to the

Dated Baghmara, the 23rd February, 2022.

1. The CCF, FC-Act, Meghalaya, Shillong for kind information and necessary action.
2. The CF (WI&T), Garo Hills Region, Tura for kind information and necessary.
3. The Dy. CF, FC Act, Meghalaya, Shillong for kind information and necessary action.

Divisional Forest Officer
Social Forestry & Territorial Division
South Garo Hills District, Baghmara

RECEIVED NO: 523
JAN 28, 2022
FBI NO: T.B-82

240
2/2/2022
GOVERNMENT OF MEGHALAYA
DEPARTMENT OF FORESTS AND ENVIRONMENT
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (HoFF):
MEGHALAYA

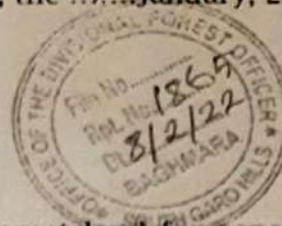


No.MFG.22/542/ 13479

Dated Shillong, the 24th January, 2022.

To,

✓ The Divisional Forest Officer,
South Garo Hills (SF & T) Division,
Baghamra.



Sub: Diversion of 0.1 ha of Angratoli Reserve Forest land for construction of Telekali Flow Irrigation Project by Water Resources Department, Baghamra.

Ref: Letter Memo.No.SGH/SF&T/WR/Telikali/FIP/168/1097-099, dated 09.09.2021.

Sir,

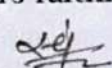
With reference to the letter on the subject cited above, I am directed to enclose herewith a copy of Government letter No.FOR.53/2021/69, dated 21.12.2021 received from the Secretary to the Government of Meghalaya, Forests & Environment Department which is explanatory for your information and necessary action.

In this connection, you are requested to issue the compliance conditions to the user Agency as laid down in the Government letter with a copy marked to this office.

This is for kind favour of your information and necessary action.

Yours faithfully,

Encl: As above.


(Shri S. M. Swami, IFS)
Deputy Conservator of Forests (FC Act)
Meghalaya, Shillong.

Memo. No.MFG.22/542/

Dated Shillong, theJanuary, 2022.

Copy to:

1. The Principal Chief Copnservator of Forests (T) Meghalaya, Shillong for kind information.
2. The Conservator of Forests (WL & T) Garo Hills Region, Tura for kind information with reference to his letter No.CF/GH/T/6/2/Pt-V/638, dated 05.10.2021.

Deputy Conservator of Forests (FC Act)
Meghalaya, Shillong.

AK/-

Sylvan House, Lower Lachumiere
Shillong 793001

Phone: 91 364 2220414
Fax: 91 364 2504068

**GOVERNMENT OF MEGHALAYA
FORESTS & ENVIRONMENT DEPARTMENT**

ORDERS BY THE GOVERNOR
NOTIFICATION

Dated: Shillong, the 21st December, 2021.

No.FOR.53/2021/69 :- On the General Approval accorded by the Central Government, under Section-2 (II) of the Forest (Conservation) Act, 1980 vide letters No.11.09/98-FC dated 07.11.2014 and F.No.11-09/1998-FC dated 07.09.2015 for diversion of forest land not exceeding 1.00 ha., the Governor of Meghalaya is pleased to accord Stage-I approval to the diversion of 0.1 ha. of forest land for construction of Telekali flow Irrigation project on the Angratoli Reserved Forests near Dumnikura sub-beat of South Garo Hills subject to fulfilment of the following conditions:-

1. Legal status of the forest land shall remain unchanged.
2. The compensatory afforestation shall be taken up by the Forest Department in 0.2 ha. in single patch in the blank area of Compartment No.1 of the Angratoli Reserve Forest at Gabrakula village of South Garo Hills District at the cost of the user agency. As far as possible a mixture of local indigenous species will be planted and monoculture of a species has to be avoided.
3. The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the user agency. The CA shall be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.
4. The Forest Department shall charge the Net Present Value (NPV) for the 0.1 ha forest area to be diverted under this proposal from the user agency as per the orders of the Hon'ble Supreme Court of India dated 30.10.2002, 01.08.2003, 28.03.2008, 24.04.2008 and 09.05.2008 in IA No.566 in WP(C) No.202/1995 and as per the guidelines issued by the Ministry vide letter No.5-1/1998-FC (Pt.II) dated 18.09.2003, as well as letter No.5-2/2006-FC dated 03.10.2006 and 5-3/2007-FC dated 05.02.2009 in this regard.
5. Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the user agency. The user Agency shall furnish an undertaking to this effect.
6. Full exemption of NPV in case of laying of underground OFC cable provided no felling of trees is involved and area proposed for diversion is outside of Protected Area as per the MoEF & CC Guideline F.No.5-3/2007-FC dated 05.02.2009.
7. The user agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the user agency with the State Forest Department.
8. All the funds received from the user agency under the project shall be transferred/deposited to CAMPA fund only through e-portal (<https://parivesh.nic.in/>)
9. The User Agency shall bear and deposit the amount of the cost of demarcation of the land proposed form diversion directly to the concerned Divisional Forest Officer. The concerned Divisional Forest Officer shall demarcate the land proposed for diversion on the ground by erecting at least 4' high reinforced cement -concrete pillars duly numbered, forward and backward bearing and distance from pillar to pillar to be written on the pillars and GPS co-ordinates to be inscribed on the pillars. The competent authority shall verify and issue a certificate to this effect. Photographs showing permanent boundary pillars with GPS co-ordinates to be submitted.
- 10 The user agency shall obtain Environmental Clearance as per the project provisions of the Environment (Protection) Act, 1986, if required under the said Act.
11. No labour camp shall be established on the forest land.
12. The user agency will have to obtain the Forest (Conservation) Act, 1980 clearance for stone, river boulders in forest land, if necessary.

18/11

13. Sufficient quantity of firewood, preferably the alternate fuel, shall be provided by the user agency to the labourers after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source for alternate fuel.
14. The forest land shall not be used for any purpose other than that specified in the project proposal.
15. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of the State Government.
16. The lay out plan of the proposal shall not be changed without the prior approval of the State Government.
17. If the compliance of stipulated conditions is awaited for more than 5 (five) years, the In-principle Approval would summarily be revoked considering that the user agency is no longer interested in the project.
18. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.
19. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.
20. Violation of any of these conditions will amount to violation of Forest Conservation Act, 1980 and action would be taken as per the MoEF & CC Guideline F.No.11-42/2017-FC dated 29.01.2018
21. Any other condition that the Ministry of Environment, Forest & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife.
22. The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in/>).

After receipt of the compliance report from the O/o the Principal Chief Conservator of Forests & HoFF on fulfilment of the conditions mentioned above, final approval will be issued in this regard.



Sd/-

(Syed Md. A. Razi, IRTS.)
Commissioner & Secretary to the Govt. Of Meghalaya,
Forests & Environment Department.

Dated Shillong the, 21st December, 2021.

Memo No.FOR.53/2021/69-A,

Copy to:-

1. The Principal Chief Conservator of Forests & HoFF, Meghalaya, Shillong for information.
2. The Deputy Inspector General of Forest (C), Government of India, Integrated Regional Office, Ministry of Environment, Forest & Climate Change, Shillong for information.
3. The Conservator of Forests (WL & T), Garo Hills Region, Tura for information and necessary action.
4. The Divisional Forest Officer, South Garo Hills (SF & T) Division, Baghmara for information.


Secretary to the Govt. of Meghalaya.
Forests & Environment Department.

Compliance Report

Sl. No.	Particulars	Remarks
1	Legal status of the land shall remain unchanged.	The undertaking should be submitted.
2	The compensatory afforestation shall be taken up by the Forest Department in 0.2 ha. In single patch in the blank area of Compartment No.1 of the Angratoli Reserve Forest at Gobrakuna village of South Garo Hills District at the cost of the user agency. As far as possible a mixture of local indigenous species will be planted, and monoculture of a species must be avoided.	The undertaking for Compensatory Afforestation should be submitted.
3	The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the user agency. The CA shall be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.	The cost for Compensatory Afforestation including for other cost should be deposited as per demand note prepared by the DFO, SF&T Division, Baghmara. Please see Annexure-.
4	The Forest department shall charge the Net Present Value (NPV) for the 0.1 ha forest area to be diverted under this proposal from the user agency as per the orders of the Hon'ble Supreme Court of India dated 30.10.2002, 01.08.2003, 28.03.2008, 24.04.2008 and 09.05.2008 in IA No.566 in WP(C) No.202/1995 and as per the guidelines issued by the Ministry vide letter No.5-1/1998-FC (Pt.II) dated 18.09.2003, as well as letter No.5-2/2006-FC dated 03.10.2006 and 5-3/2007-FC dated 05.02.2009 in this regard.	The NPV should be deposited as per the prevailing rate as given in the Annexure.
5	Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the user agency. The user Agency shall furnish an undertaking to this effect.	The undertaking should be submitted for additional amount of NPV.
6	Full exemption of NPV in case of laying of underground OFC cable provided no felling of trees is involved and areas proposed for diversion is outside of Protected Area as per the MoEF & CC Guideline F.No.5-3/2007-FC dated 05.02.2009.	Not applicable
7	The user agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees	The undertaking should be submitted.

	shall be deposited by the user agency with the State Forest Department.	
8	All the funds received from the user agency under the project shall be transferred/deposited to CAMPA fund only through e-portal (https://parivesh.nic.in/)	The undertaking should be submitted.
9	The User Agency shall bear and deposit the amount of the cost of demarcation of the land proposed from diversion directly to the concerned Divisional Forest Officer. The concerned Divisional Forest Officer shall demarcate the land proposed for diversion on the ground by erecting at least 4' high reinforced cement – concrete pillars duly numbered, forward and backward bearing and distance from pillar to pillar to be written on the pillars and GPS co-ordinates to be inscribed on the pillars. The competent authority shall verify and issue a certificate to this effect. Photographs showing permanent boundary pillars with GPS co-ordinates to be submitted.	The cost for demarcation pillar should be deposited as per the Demand Note prepared by the DFO, SF&T Division, Baghmara. Please see Annexure.
10	The user agency shall obtain Environmental Clearance as per the project provisions of the Environment (Protection) Act, 1986, if required under the said Act.	The undertaking should be submitted.
11	No labour camp shall be established on the forest land.	The undertaking should be submitted.
12	The user agency will have to obtain the Forest (Conservation) Act, 1980 clearance for stone, river boulders in forest land, if necessary.	The undertaking should be submitted.
13	Sufficient quantity of firewood, preferably the alternate fuel, shall be provided by the user agency to the labourers after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source for alternate fuel.	The undertaking should be submitted.
14	The forest land shall not be used for any purpose other than that specified in the project proposal.	The undertaking should be submitted.
15	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without the prior approval of the State Government.	The undertaking should be submitted.
16	The lay out plan of the proposal shall not be changed without the prior approval of the State Government.	The undertaking should be submitted.

17	If the compliance of stipulated conditions is awaited for more than 5 (five) years, the In-principle Approval would summarily be revoked considering that the user agency is no longer interested in the project.	The undertaking should be submitted.
18	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.	The undertaking should be submitted.
19	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.	The undertaking should be submitted.
20	Violation of any of these conditions will amount to violation of Forest Conservation Act, 1980 and action would be taken as per the MoEF & CC guideline F.No.11-42/2017-FC dated 29.01.2018	The undertaking should be submitted.
21	Any other condition that the Ministry of Environment, Forest & Climate Change may stipulate from time to time in the interest of conservation, protection, and development of forests & wildlife.	The undertaking should be submitted.
22	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/).	The undertaking should be submitted.

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Divisional Forest Officer,
Soci. Forestry & Territorial Division,
South Garo Hills, Baghmara.

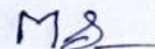
GOVERNMENT OF MEGHALAYA
OFFICE OF THE DIVISIONAL FOREST OFFICER::SOCIAL FORESTRY & TERRITORIAL DIVISION
SOUTH GARO HILLS, BAGHMARA

**Compensatory Afforestation Scheme prepared against the
diversion of forest land of 0.1 ha for construction of Telekali Flow
irrigation project at Telekali area under Angratoli Reserve Forest**

Abstract:

Sl.no.	Particulars	Amount (Rs.)	Annexure
1	Demand Note	-	I
2	Cost norms for Nursery and estimate for two beds	23,754.00	II
3	Cost norms for planation and estimate for 0.2 ha plantation including 10 years maintenance.	1,89,730.00	III
4	Net Present Value (NPV)	1,59,579.00	IV
5	Rcc post/pillar for project area site demarcation	56,439.00	V
6	Cost of sign board (L.S.)	20,000.00	VI
7	Estimate for tools & implements for Nursery & Plantation works.	30,000.00	VII
8	Grand Total	4,79,502.00	

Rupees (Four lakhs seventy-nine thousand five hundred and two) only.



Divisional Forest Officer
Social Forestry & Territorial Division
South Garo Hills, Baghmara

Annexure-I

Demand Note: Amount to be deposited

Sl.no.	Particulars	Amount(Rs.)	Amount to be deposited
1	Net Present Value (NPV)	1,59,579.00	Payment should be made online by generating e-challan through the Union Bank of India (UBI) https://parivesh.nic.in
2	Nursery estimate for two beds	23,754.00	Payment should be made online by generating e-challan through the Union Bank of India (UBI) https://parivesh.nic.in
3	Estimate for 0.2 ha plantation including 10 years maintenance.	1,89,730.00	Payment should be made online by generating e-challan through the Union Bank of India (UBI) https://parivesh.nic.in
4	Rcc post/pillar for project area site demarcation	56,439.00	Payment should be made through RTGS in favour of Divisional Forest Officer, Social Forestry & Territorial Division, Baghmara.
5	Cost of sign board (L.S.)	20,000.00	SBI Current Account No. 31746171728 IFSC code: SBIN 0004885 Address: South Garo Hills, Baghmara- 794102.
6	Estimate for tools & implements for Nursery & Plantation works.	30,000.00	

Abstract amount:

Sl.no.	Amount to be deposited	Amount (Rs.)
1	Payment should be made through RTGS in favour of Divisional Forest Officer, Social Forestry & Territorial Division, Baghmara. SBI Current Account No. 31746171728 IFSC code: SBIN 0004885 Address: South Garo Hills, Baghmara- 794102.	56,439.00 20,000.00 <u>30,000.00</u> Total=1,06,439.00
2	Amount to be deposited: Payment should be made online by generating e-challan through the Union Bank of India (UBI) https://parivesh.nic.in	1,59,579.00 23,754.00 <u>1,89,730.00</u> Total=3,73,063.00
Grand Total (1+2) =		4,79,502.00

Rupees (Four lakhs seventy-nine thousand five hundred and two)


 Divisional Forest Officer
 Social Forestry & Territorial Division
 South Garo Hills, Baghmara

Annexure-II

Approved Cost Norms for Nursery and Plantation

TEMPORARY NURSERY

Wage rate=Rs.370

(a) POLYPOT NURSERY

(i) NORMS IN THE FIRST YEAR

Sl. No.	Items of Work	Unified Norms	
		Mandays	Amount
1	2	3	4
1	Preparation of standard-size beds.	1.5	555.00
2	Cost of H.D polythene bags (22.5m x15mm). In 1 (one) bed 4 kg are required.	7.2	2,664.00
3	Cost of up manure mixed earth in polythene bags including pounding after filling.	9	3,330.00
4	Cost of cow dung including transportation.	0.6	222.00
5	Cost of seeds.	1.4	518.00
6	Cost of goat proof fencing net including cost of wooden fencing posts, erecting, fixing, fitting, etc complete and including cost of staples.	1	370.00
7	Cost of sowing including hoeing, mulching etc.	1	370.00
8	Cost of pricking and transplanting of seedlings from germination beds to poly bags	2	740.00
9	Cost of construction of shades for protection of seedlings from frost during winter and direct sunlight in warm areas:	1	370.00
	(a) Cost of materials	2	740.00
	(b) Labour cost	2	740.00
10	Cost of weeding 4 weeding@ 370.00/pw.	2.6	962.00
11	Cost of watering	1	370.00
12	Miscellaneous cost e.g fungicides, tools and plants, making of inspection path, fertilizers, chemicals, lime pesticides/insecticides, growth hormones etc.	0.2	74.00
	TOTAL IN THE FIRST YEAR	30.5	11,285.00

(ii) Maintenance during the Second year

Sl. No.	Items of Work	Unified Norms	
		Mandays	Amount
1	2	3	4
1	Weeding (3 weeding only) @ 370.00/p.w.	1.3	481.00
2	Watering of Nursery beds.	0.3	111.00
	TOTAL IN THE SECOND YEAR	1.6	592.00

One bed for Temporary polypot nursery	11,285.00
Maintenance (2nd yr) for 1 bed polypot nursery	592.00
Total for one bed nursery	11,877.00

Therefore, cost for one bed nursery (Say)	11,877.00
Rupees (Eleven thousand eight-hundred seventy-seven) only	

sl.no.	Particulars	Amount
1	Cost of one bed nursery	Rs. 11,877.00
2	Cost of two bed nursery $11,877.00 \times 2 = 23,754.00$	Rs. 23,754.00
Rupees (Twenty-three thousand seven-hundred fifty-four) only		

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Divisional Forest Officer
Social Forestry & Territorial Division, Baghmara

APPROVED PLANTATION NORMS FOR COMPENSATORY AFFORESTATION SCHEME

Wage Rate = Current Wage Rate (where "z" is notified wage rate by labour department on the date of payment by user Agency)

PRELIMINARY WORKS

current wage rate=Rs.370/-

Sl. No.	Items of works	Mandays	Rate (In terms of z)
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1	Survey and demarcation including fixing of boundary marks at strategic points	2.00	2.00
2	Jungle clearance, burning, land preparation including staking, pit digging, hoeing, etc	24.00	24.00
3	Fencing With 3 strand barbed wire and wooden fencing posts including cost of staples, fixing, fitting, etc, complete	64.00	64.00
4	Cost of collection seeds	5.00	5.00
5	Construction of camp hut and inspection paths	4.00	4.00
6	Purchase of tools and plants	2.00	2.00
7	Supervisory staff to be engaged on casual basis from amongst the local people	12.00	12.00
8	Raising of Polypot nursery for 2 beds or hectare to cover for mortality rate of plants in the plantation site	61.00	61.00
9	Provision for signboards, documentation, upkeep of records and other miscellaneous works	30.00	30.00
	Sub Total in the Preliminary Year	204.00	204.00
10	Soil & Moisture Conservation measures in the plantation area @ 15%	30.60	30.60
11	Monitoring and evaluation @ 2%	4.08	4.08
12	Adding 15% contingency due to escalation cost and revision of wages rate etc.	35.80	35.80
	Total in the preliminary year	274.48	274.8

CREATION AND 1ST YEAR MAINTENANCE OF PLANTATION

Wage Rate is 1.12z

Sl. No.	Item of Works	Mandays	Rate (In terms of z)
1	2	3	4
1	Planting of necessary seedling including carriage from nursery centers to plantation sites and proper ramming after planting etc.	20.00	22.40
2	Cost of manure and bio-fertilizer	40.00	44.80
3	Mulching and 3 times bio-fertilizer	50.00	56.00
4	Fire protection during dry and windy season (i) Wages if fire watchers from November of the creation year to April of the following year	10.00	11.20
	(ii) Fire line clearance including controlled burning from November in the creation year to April of the following Year.	10.00	11.20
5	2 nd year maintenance of poly pot nursery	3.20	3.58
6	Maintenance of cam hut, signboard, documentation, protection from grazing, upkeep of records and other miscellaneous works	30.00	33.60
7	Supervision cost	12.00	13.44
	Sub Total	175.20	196.22
8	Soil & Moisture conservation measures in the plantation area @ 15% of total Cost of 1 st year creation	26.28	29.43
9	Monitoring & Evaluation @ 2 %	3.50	3.92
10	Adding 8.5% being contingency due to escalation cost of materials etc. after ascertaining the rate of interest due to accrue from CA money to be deposited by User Agency.	17.42	19.51
	Total for 1st year creation and maintenance	222.41	249.10

SECOND YEAR MAINTENANCE OF PLANTATION

Wage Rate is 1.26z

Sl. No.	Items of Works	Mandays	Rate (in terms of z)
1	2	3	4
1	Vacancy filling by one-year old seedlings in mortality areas	5.00	6.30
2	Climber cutting and weddings 3 times	45.00	56.70
3	<u>Fire protection</u>		

	1. Wages of fire watchers	10.00	12.60
	(ii) Fire line clearance including controlled burning	10.00	12.60
4	Maintenance of camp hut, signboard, inspection paths, fencing, protection from grazing, documentation, upkeep of records and other miscellaneous	30.00	37.80
5	Supervision cost	12.00	15.12
	Sub Total	112.00	141.12
6	Provision for soil & moisture conservation measures in the plantation area @ 15%	16.80	21.17
7	Monitoring & Evaluation @ 2 %	2.24	2.82
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accrue from CA money to deposited by User Agency	11.14	14.03
	Total in the 2 nd Year	142.18	179.14

THIRD YEAR MAINTENANCE OF PLANTATION

Wage Rate is 1.41z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Vacancy filling wherever necessary	4.00	5.64
2	Climbing cutting and weeding 3 times	45.00	63.45
3	Fire protection		
	(i) Wages of fire watchers	10.00	14.10
	(ii) Fire line clearance including controlled burning	10.00	14.10
4	Maintenance of camp hut, signboard, fencing, inspection paths, protection, from grazing, documentation, upkeep of records and other miscellaneous works	30.00	42.30
5	Supervision Cost	12.00	16.92
	Sub total	111.00	156.51
6	Provision for soil & moisture conservation measures in the plantation area @ 15%	16.65	23.48
7	Monitoring & Evaluation @ 2%	2.22	3.13
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	11.04	15.56

deposited by User Agency		
Total in the 3 rd year	140.91	198.68

FOURTH YEAR MAINTENANCE OF PLANTATION

Wage Rate is 1.58z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Vacancy filling wherever necessary	2.00	3.16
2	Climber cutting and three times weeding	45.00	71.10
3	(i) Wages of fire watchers	10.00	15.80
	(ii) Fireline clearance including controlled burning, etc.	30.00	15.80
4	Maintenance of camp hut, signboard, fencing, inspection paths, protection from grazing, documentation, upkeep of records and other miscellaneous works	30.00	47.40
5	Supervision cost	12.00	18.96
	Sub Total	109.00	172.22
6	Provision for soil & moisture conservation measures in the plantation area @15%	16.35	25.83
7	Monitoring & Evaluation @ 2%	2.18	3.44
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	17.13
	Total in the 4 th year	138.37	218.62

FIFTH YEAR MAINTENANCE OF PLANTATION

Wage rate is 1.77z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Climber cutting including silvicultural works and two times weeding	30.00	53.10
2	(i) Wages of fire watchers	10.00	17.70
	(ii) Maintenance of fireline including controlled burning etc.	10.00	17.70
3	Maintenance of camp hut, signboard, fencing inspection paths, protection from grazing, documentation, upkeep of records and other miscellaneous works	30.00	53.10

4	Supervision cost		
	Sub Total	12.00	21.24
5	Provision for soil & moisture conservation measures in the plantation area @ 15%	92.00	162.84
6	Monitoring & Evaluation @ 2%	13.80	24.43
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accrue from CA money to deposited by User Agency.	1.84	3.26
		9.15	16.19
	Total in the 5th Year	116.79	206.72

SIXTH YEAR MAINTENANCE OF PLANTATION

Wage Rate id 1.98z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Climber cutting including silvicultural works	20.00	39.60
2	(i) Wages of fire watchers	10.00	19.80
	(ii) Maintenance of fireline including controlled burning etc.	10.00	19.80
3	Maintenance of camp hut, signboard, fencing, inspection paths protection from grazing, documentation, upkeep of records and other miscellaneous works	30.00	59.40
4	Supervision Cost	12.00	23.76
	Sub Total	82.00	162.36
	Provision for soil & moisture conservation measures in the plantation area @ 15%	12.30	24.35
	Monitoring & Evaluation @ 2%	1.64	3.25
	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	8.15	16.14
	Total in the 6th year	104.09	206.10

SEVENTH YEAR MAINTENANCE OF PLANTATION

Wage Rate 2.22z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Climber cutting including silvicultural works	16.00	35.52
2	(i) Wages of fire watchers	10.00	22.20
	(ii) Maintenance of Fireline including controlled burning etc.	10.00	22.20
3	Maintenance of camp hut signboard,	30.00	66.60

	fencing, inspection paths, protection from grazing, miscellaneous, upkeep of records and other miscellaneous works		
4	Supervision cost	12.00	26.64
	Sub Total	78.00	173.16
	Provision for soil & moisture conservation measures in the plantation area @ 15%	11.70	25.97
	Monitoring & Evaluation @2%	1.56	3.46
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining CA money to be deposited by User Agency	7.76	17.13
	Total in the 7th year	99.02	219.82

EIGHT YEAR MAINTENANCE OF PLANTATION

Wage rate is 2.49z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Climber cutting including silvicultural	14.00	34.86
2	(i) Wages of fire watchers	10.00	24.90
	(ii) Maintenance of fire line including controlled burning etc.	10.00	24.90
3	Maintenance of camp hut, signboard, fencing, inspection paths, protection from grazing, documentation, upkeep of records and other miscellaneous works	30.00	74.70
4	Supervision cost	12.00	29.88
	Sub Total	76.00	189.24
5	Provision for soil & moisture conservation measures in the plantation area @ 15%	11.40	28.39
6	Monitoring & Evaluation @ 2%	1.52	3.78
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accrue from CA money to be accrue from CA money to be deposited by User Agency	7.56	18.82
	Total in the 8th Year	96.84	240.23

NINTH YEAR MAINTENANCE OF PLANTATION: Wage rate= 2.79z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Climber cutting including silvicultural	12.00	33.48
2	(i) Wages of fire watchers	10.00	27.90
	(ii) Maintenance of fire line including controlled burning etc.	10.00	27.90
3	Maintenance of camp hut, signboard, fencing, inspection paths,	30.00	83.70

	protection from grazing, documentation, upkeep of records and other miscellaneous works		
4	Supervision cost	12.00	33.48
Sub Total			
5	Provision for soil & moisture conservation measures in the plantation area @ 15%	11.10	30.97
6	Monitoring & Evaluation @ 2%	1.48	4.13
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accrue from CA money to be accrue from CA money to be deposited by User Agency	7.36	20.53
Total in the 9 th year		93.94	262.09

TENTH YEAR MAINTENANCE OF PLANTATION: Wage rate= 2.79z

Sl.No	Item of works	Mandays	Rate (In terms of z)
1	2	3	4
1	Climber cutting including silvicultural	10.00	31.20
2	(ii) Wages of fire watchers	10.00	31.20
	(ii) Maintenance of fire line including controlled burning etc.	10.00	31.20
3	Maintenance of camp hut, signboard, fencing, inspection paths, protection from grazing, documentation, upkeep of records and other miscellaneous works	30.00	93.60
4	Supervision cost	12.00	37.44
5	Misc. Expenditure e.g. Salvaging of fencing materials from the plantation center wherever fencing is no longer necessary	6.00	18.72
Sub Total		78.00	243.36
5	Provision for soil & moisture conservation measures in the plantation area @ 15%	11.70	36.50
6	Monitoring & Evaluation @ 2 %	1.56	4.87
	Adding 8.5% being contingency due to escalation cost etc. after ascertaining the rate of interest due to accrue from CA money to be accrue from CA money to be deposited by User Agency	7.76	24.21
Total in the 10 th Year		99.02	308.94

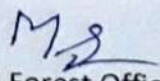
COST ABSTRACT FOR COMPENSATORY AFFORESTATION SCHEME

Sl.NO	YEAR	Mandays	Amount in terms of z (where "z" is notified wage rate on the date of payment by User Agency)	Amount year-wise/ha (wage rate= Rs.370/-)
1	Preliminary Year	274.48	274.48	101,557.60
2	First Year creation & Maintenance	222.41	249.10	92,167.00
3	Second Year maintenance	142.18	179.14	66,281.80
4	Third Year Maintenance	140.91	198.68	73,511.60
5	Fourth Year Maintenance	138.37	218.62	80,889.40
6	Fifth Year Maintenance	116.79	206.72	76,486.40
7	Sixth Year maintenance	104.09	206.10	76,257.00
8	Seventh Year Maintenance	99.02	219.82	81,333.40
9	Eight Year maintenance	96.48	240.23	88,885.10
10	Ninth Year maintenance	93.94	262.09	96,973.30
11	Tenth Year maintenance	99.02	308.94	1,14,307.80
	Grand total	1527.69	2563.92	9,48,650.40

Calculation for 0.2 ha plantation with 10 years maintenance:

Sl.no.	Particulars	
1	Spacing	3 x 3
2	area	0.2 ha
3	mandays	2563.92/ha
4	Cost for one ha	9,48,650.40
5	Cost for 0.2 ha	1,89,730.08
	Say	1,89,730.00

Rupees (One lakh eighty-nine thousand seven hundred thirty) only.


 Divisional Forest Officer
 Social Forestry & Territorial Division
 South Garo Hills, Baghmara

GOVERNMENT OF MEGHALAYA
OFFICE OF THE DIVISIONAL FOREST OFFICER::SOCIAL FORESTRY & TERRITORIAL DIVISION
SOUTH GARO HILLS, BAGHMARA

Revised Net Present Value (NPV)

Eco-class	Description	Rate/ha (Rs.)	Area (ha)	Total (Rs.)
Eco-class-I	Consisting of : Tropical Wet Evergreen Forests. Tropical Semi Evergreen Forests Tropical Moist Deciduous Forests	15,95,790.00	1.0	15,95,790.00

As per the rate, the NPV = Rs.15,95,790/- x 0.1 ha

= Rs.1,59,579.00

Rupees (One lakh fifty-nine-thousand five hundred seventy-nine) only.

MS

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 Social Forestry & Territorial Division
 South Garo Hills, Baghmara

GOVERNMENT OF MEGHALAYA
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SOUTH GARO HILLS, BAGHMARA

Detailed estimate for demarcation pillar/Rcc post

Justification: As per provision of Compensatory Afforestation Scheme given under 2.8. Elements of Schemes for Compensatory Afforestation; the project area proposed by Water Resources Department, Baghmara for construction of Telekali Flow Irrigation Project at Telekali under Angratoli Reserve Forest, the demarcation pillar made of RCC post shall be erected in all the sides so that no encroachment will be allowed other than allotted 0.1 ha area.

M8_

Divisional Forest Officer
Social Forestry & Territorial Division
South Garo Hills, Baghmara

Work:- Construction of Demarcation Pillars against Telekhali FIP. On Angratoli Reserve Forest near Anikura sub-beat of South Garo Hills, Meghalaya.

R:- As per PWD schedule of rates for roads bridges and E&D works for the year 2018-19 and MPHE SOR 2014-15 applicable in Garo Hills Circle.

1./134 PWD Earth work in excavation to the proper level and grade etc as directed.

1. In ordinary soil-

(A) Manual means. (i) upto 3 m depth.

$$20 \times 0.40 \times 0.40 \times 0.60 = 1.92 \text{ m}^3$$

$$\text{Total} = 1.92$$

$$@ \text{ ₹ } 166.00 / \text{cum}$$

$$\text{₹ } 318.72$$

PHE.2./1 Providing 100 mm thick soling with approved quality Of stones etc. as directed.

$$3.01. \quad 20 \times 0.40 \times 0.40 = 3.20 \text{ m}^2$$

$$\text{Total} = 3.20 \text{ m}^2$$

$$@ \text{ ₹ } 219.01 / \text{sqm}$$

$$\text{₹ } 700.83$$

3./24.02.PHE Suppling fitting fixing include binding to the design T.S etc. as directed.

8 mm dia. TS-

$$\text{Base plate both} \quad 20 \times 8 \times 0.45 \times 0.39 = 0.28 \text{ qtl.}$$

way-

$$\text{Main bar-} \quad 20 \times 4 \times 2.00 \times 0.39 = 0.62 \text{ qtl.}$$

$$\text{Staire up-} \quad 20 \times 12 \times 0.90 \times 0.39 = 0.84 \text{ qtl.}$$

$$\text{Total} = 1.74 \text{ qtl.}$$

$$@ \text{ ₹ } 9,732.58 / \text{qtis.}$$

$$\text{₹ } 16,934.69$$

4/22.01.PHE Providing Shuttering with dressed planks not less than 25 mm thick etc. as directed.

$$\text{Post -} \quad 20 \times 4 \times 0.20 \times 1.20 = 19.20 \text{ m}^2$$

$$\text{Total} = 19.20 \text{ m}^2$$

$$@ \text{ ₹ } 511.69 / \text{sqm.}$$

$$\text{₹ } 9,824.45$$

5/16.02.PHE Providing and laying cc work in prop. 1:2:4 corresponding to M15 etc as directed.

$$\text{Foundation-----} \quad 20 \times 0.40 \times 0.40 \times 0.50 = 1.60 \text{ m}^3$$

$$\text{Post Pillar-----} \quad 20 \times 0.20 \times 0.20 \times 1.20 = 0.96 \text{ m}^3$$

$$\text{Total} = 2.56 \text{ m}^3$$

$$@ \text{ ₹ } 6,413.01 / \text{cum.}$$

$$\text{₹ } 16,417.31$$

6/20.02.2. Providing 12 mm thick cement plastering including cleaning surface in prop. 1:3 etc PHE as directed.

$$\text{Pillar-} \quad 20 \times 4 \times 0.20 \times 1.20 = 19.20 \text{ m}^2$$

$$\text{Top-} \quad 20 \times 0.20 \times 0.20 = 0.80 \text{ m}^2$$

$$\text{Total} = 20.00 \text{ m}^2$$

$$@ \text{ ₹ } 191.14 / \text{sqm}$$

$$\text{₹ } 3,822.80$$

1(A)PWD Haulage of Materials excluding loading & unloading

Stone Quarry at Shankigre= 75.00 km

Sand Quarry at Masangpani= 28.00 km

Stone aggre..vide no. 2/13.01	0.10	x	3.20 =	0.32 m ³
stone aggre..vide no. 5/16.02	0.86	x	2.56 =	2.20 m ³
			Total =	2.52 m ³

Case-I surfaced road	2.52	x	1.50 =	3.78 tone
Lead = 72 Km	@ ₹ 6.80	x	72 =	₹ 489.60 T/km
	@	₹ 489.60	/ ton	= ₹ 1,850.69

Case-III-Katcha track	2.52	x	1.50 =	3.78 tone
Lead = 3 Km	@ ₹ 16.40	x	3.00 =	₹ 49.20 T/km
	@	₹ 49.20	/t/Km	= ₹ 185.98

(B)Sand-

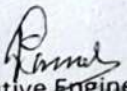
Fine aggre..vide no. 5/16.02	0.50	x	2.56 =	1.28 m ³
Fine aggre..vide no. 6/20.02.2	0.012	x	20.00 =	0.24 m ³
			Total =	1.28 m ³

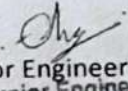
Case-I surfaced road	1.28	x	1.50 =	1.92 tone
Lead = 27 Km	@ ₹ 6.80	x	27 =	₹ 183.60
	@	₹ 183.60	/ ton/km	= ₹ 352.51

Case-III-Katcha track	1.28	x	1.50 =	1.92 tone
Lead = 1 Km	@ ₹ 16.40	x	1.00 =	₹ 16.40
	@	₹ 16.40	/t/Km	= ₹ 31.49

TOTAL:- ₹ 50,439.47
Say- ₹ 50,439.00

(Rupees fifty thousand four hundred and thirty nine) only

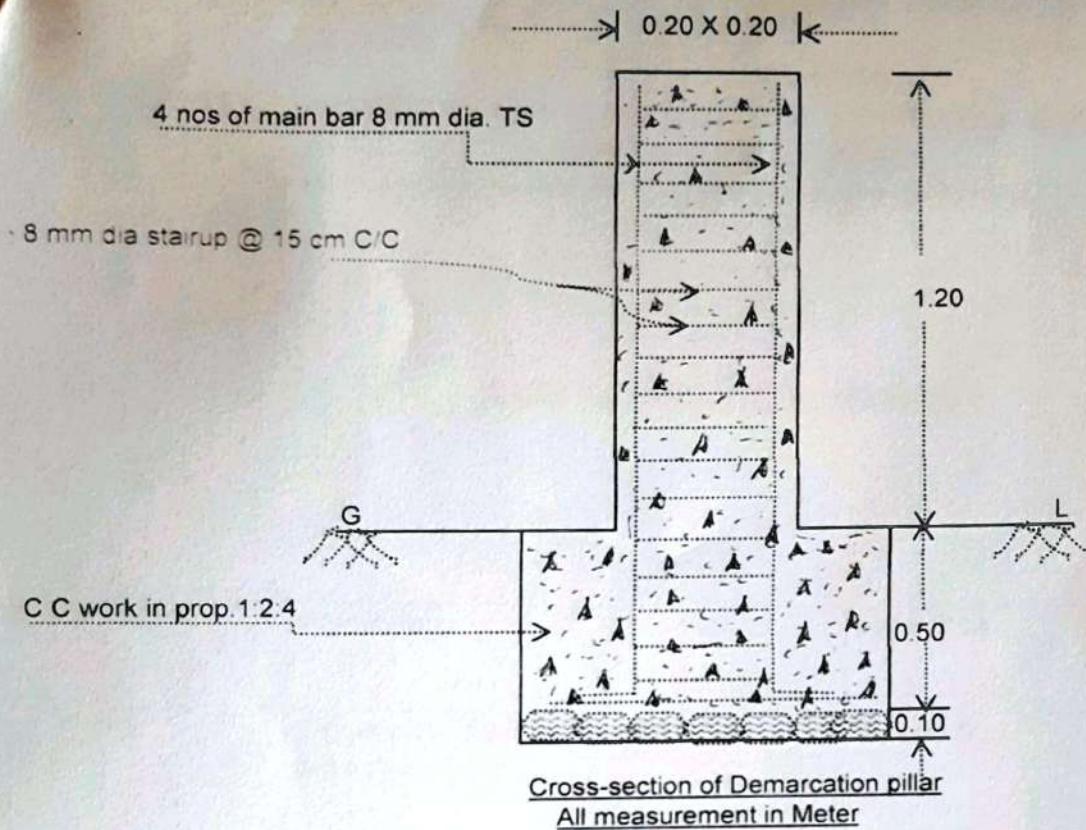

Executive Engineer (WR)
South Garo Hills Division
Baghmara


Junior Engineer (WR)
Baghmara Sub-Division
Baghmara

COUNTERSIGNED

Divisional Forest Officer
Social Forestry & Territorial Division
South Garo Hills Baghmara

DEMARCATON PILLAR AGAINST TELEKALI FIP
Not to Scale



Ram
Executive Engineer (WR)
South Garo Hills Division
Baghmara

Al
Junior Engineer (WR)
Baghmara Sub-Division
Baghmara

COUNTERSIGNED
M8
Divisional Forest Officer
Social Forestry & Territorial Division
South Garo Hills Baghmara

Annexure-VI

GOVERNMENT OF MEGHALAYA
OFFICE OF THE DIVISIONAL FOREST OFFICER::SOCIAL FORESTRY & TERRITORIAL DIVISION
SOUTH GARO HILLS, BAGHMARA

Detailed estimate for signboard

Sl.no.	Particulars	Unit	Rate (Rs.)	Amount
1	Signboard for plantation area (L.S.)	1 no.	20,000.00 (L.S.)	20,000.00

Rupees (Twenty thousand) only.

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Divisional Forest Officer
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GOVERNMENT OF MEGHALAYA
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SOUTH GARO HILLS, BAGHMARA

Detailed estimate for Tools & implements for Nursery & Plantation

Sl.no.	Particulars	Unit/quantity	Rate (Rs.)	Amount
1	Syntax 500 ltr.	1 no.	@10/ltr	5,000.00
2	Rubber pipe	2 rolls	@1500/roll	3,000.00
3	watering can	2 nos.	@500/piece	1,000.00
4	Bush cutter	1 no.	@13,100/piece	13,100.00
5	Steel spade	4 nos.	@800/piece	3,200.00
6	Kraftseeds	4 nos.	@500/piece	2,000.00
7	Khurpi	5 nos.	@400/piece	2,000.00
8	Gardening scissors	2 nos.	@350/piece	700.00
Total =				30,000.00

Rupees (Thirty thousand) only.

M.S.

Divisional Forest Officer
 Social Forestry & Territorial Division
 South Garo Hills, Baghmara