

**GOVERNMENT OF MIZORAM**  
**OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS**  
**DEPARTMENT OF ENVIRONMENT, FORESTS & CLIMATE CHANGE**  
**MIZORAM::AIZAWL**

No. B.22019/20/2019-FC/PCCF/225  
To

Dated Aizawl the 18<sup>th</sup> August, 2022

Under Secretary to the Govt. of Mizoram  
Environment, Forests & Climate Change Department  
Mizoram, Aizawl

**Subj :** **Proposal for diversion of 2.43278 ha of forest land for construction of Bypass at Chhiahtlang & Serchhip (Package 1) on Aizawl - Tuipang section of NH - 54 in the state of Mizoram-reg.**

Ref: NO. 3-MZ B 024/2021-SHI/1167-68 Dt. 12.07.2022

Sir,

With reference to the above letter, I am forwarding herewith the required additional information received from Divisional Forest Officer, Thenzawl for information and necessary action.

S. N	Additional Information required	Action to be taken
1	The compensatory afforestation scheme submitted at the cost of Rs. 11,02,100/- is for maintenance of period of 8 years, whereas as per guidelines maintenance period is for 10 years. The same may be re-submitted after revision for 10 years maintenance	Revised estimated prepared and submitted at Annexure I
2	As per letter dated 08.06.2022 of DCF (FC), Mizoram it has been mentioned that there is violation of FC Act in this proposal. The State Govt. may assess the extent of violation and calculate the penalty as per Forest Conservation Act, 1980 Guidelines Para 1.21 (ii), if any of the FC Act along with full details of violation.	Enclosed at Annexure II
3	The calculation of Net present value is @ 7.30/ha. Hence NPV may be calculated as per Ministry's latest guidelines dated 06.01.2022	Enclosed at Annexure III

Yours faithfully,

Encl: As above.

(RS SINHA)

Additional Principal Chief Conservator of Forests (FC)

Memo No. B.22019/20/2019-FC/PCCF/

Dated Aizawl the June, 2022

Copy to :

1. Dy. Inspector General of Forests (c), Ministry of Environment, Forests & Climate Change, North Eastern Regional Office, Law-U-Sib, Lumbatngen, near MTC Workshop, Shillong-793021, E mail: [ro.nez.shil@gmail.com](mailto:ro.nez.shil@gmail.com)
2. Divisional Forest Officer, Thenzawl Forest Division.
3. General Manager, RO - Aizawl, NHIDCL, Tuikhuahtlang for information.

Deputy Conservator of Forest (FC)



**GOVERNMENT OF MIZORAM  
OFFICE OF THE DIVISIONAL FOREST OFFICER  
THENZAWL FOREST DIVISION  
THENZAWL : MIZORAM**

*Email id: thenzawlforest@gmail.com*

No.B.13026/1/2022-TFD/ 581

Dated Thenzawl, the 12<sup>th</sup> August, 2022

To,

✓  
The Addl. Principal Chief Conservator of Forests (FC)  
Aizawl, Mizoram

**Subject :** *Proposal for diversion of 2.43278 ha. forest land for construction of Bypass at Chhiahtlang and Serchhip (Package-a) on Aizawl-Tuipang section of NH-54 in the state of Mizoram, Engineering, Procurement and Construction (EPC) mode with JICA loan assistance.*


**Ref. :** *No.B.22019/20/2020-FC/PCCF/200 Dt.11.08.2022.*

Sir,

With reference to the above, I have the honour to re-submit herewith CA Scheme, rectified calculation of penalty as per FCA 1980 guidelines para-1.21(ii) of Ministry letter F.No.11-42/2017-FC dt. 29.01.2018 and NPV as per Ministry guidelines dt. 06.01.2022 for kind information and necessary action.

Enclo : As above.

Yours faithfully,

  
(LALBIAKCHAMA CHAWNGTHU)  
Divisional Forest Officer  
Thenzawl Forest Division  
Thenzawl : Mizoram

**DETAILED COMPENSATORY AFFORESTATION SCHEME FOR DIVERSION OF  
2.43278 HA. FOR CONSTRUCTION OF BY PASS AT CHHIAHTLANG & SERCHHIP  
(PACKAGE-I) ON AIZAWL-TUIPANG SECTION OF NH-54**

- 1 Model of afforestation : Artificial Regeneration
- 2 Species proposed to be planted : *Mangifera indica*  
*Bischofia javanica*  
*Michelia champaca*  
*Terminalia myriocarpa*  
*Cedrella toona*  
*Toona Ciliata*
- 3 Implementing Agency : Environment, Forests & Climate Change Department, Mizoram
- 4 Time scheduled : Advanced work and creation of plantation and maintenance upto 10th year.

**ANALYSIS OF PER HA RATE FOR VARIOUS WORK ITEMS UNDER COMPENSATORY AFFORESTATION  
TO BE TAKEN UP UNDER FOREST (CONSERVATION) ACT, 1980**

(Rs. 380/- per manday)

(1100 plants per ha)

S.N		Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	7
1		<b>Advance works including nursery</b>				
	(a)	Survey and demarcation including mapping	3	1140		1140
	(b)	Area preparation by cutting grasses & shrubs	20	7600		7600
	(c)	Fire line cutting burning and maintenance	6	2280		2280
	(d)	Clearance of site for nursery, preparation of nursery bed, filling of poly-bags, manuring shed erection	20	7600		7600
	(e)	Cost of seeds, poly-bags, implements etc	0	0	1890	1890
	(f)	Treatment and sowing of seeds	5	1900		1900
	(g)	Weeding & watering	11	4180		4180
		<b>Sub Total :</b>	<b>65</b>	<b>24700</b>	<b>1890</b>	<b>26590</b>
2		<b>Creation of Plantation</b>				
	(a)	Site preparation, alignment, preparation of stakes, digging of pits, preparation of planting material, carriage of planting material, Planting / sowing, construction of camp shed, inspection path/ signboard and other misc. works	25	9500		9500
	(b)	Weeding 3 times including vacancy filling and watch & ward	67	25460		25460
	(c)	Fire protection measures like fire line cutting, engagement of fire watchers	3	1140		1140
		<b>Sub Total :</b>	<b>95</b>	<b>36100</b>		<b>36100</b>
3		<b>Maintenance of Plantation</b>				
	(i)	<b>Maintenance after 1st Year</b>				
	(a)	Weeding 3 times + vacancy filling (10+9+5)	24	9120		9120
	(b)	Fire protection measures	3	1140		1140
		<b>Sub Total :</b>	<b>27</b>	<b>10260</b>	<b>0</b>	<b>10260</b>


S.N		Item of work	Manday required (in No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	7
		<b>(ii) Maintenance after 2 years</b>				
	(a)	Weeding 2 times (10+5)	15	5700		5700
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 25% of 3(ii) column 5 total labour component for anticipated revision of wage rate				1710
		<b>Sub Total :</b>	<b>18</b>	<b>6840</b>	<b>0</b>	<b>8550</b>
		<b>(iii) Maintenance after 3 years</b>				
	(a)	Weeding 2 times (8+5)	13	4940		4940
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 25% of 3(iii) column 5 total labour component for anticipated revision of wage rate				1520
		<b>Sub Total :</b>	<b>16</b>	<b>6080</b>	<b>0</b>	<b>7600</b>
		<b>(iv) Maintenance after 4 years</b>				
	(a)	Weeding 2 times (8+5)	13	4940		4940
	(b)	Fire protection measures	3	1140		1140
	(c)	Add 50% of 3(iv) column 5 total labour component for anticipated revision of wage rate				3040
		<b>Sub Total :</b>	<b>16</b>	<b>6080</b>	<b>0</b>	<b>9120</b>
		<b>(v) Maintenance after 5 years</b>				
	(a)	(a) Weeding / tending	12	4560		4560
	(b)	(b) Fire protection measures	2	760		760
	(c)	Add 50% of 3(v) column 5 total labour component for anticipated revision of wage rate				2660
		<b>Sub Total :</b>	<b>14</b>	<b>5320</b>	<b>0</b>	<b>7980</b>
		<b>(vi) Maintenance after 6 years</b>				
	(a)	Weeding / tending	12	4560		4560
	(b)	Fire protection measures	2	760		760
	(c)	Add 75% of 3(vi) column 5 total labour component for anticipated revision of wage rate				3990
		<b>Sub Total :</b>	<b>14</b>	<b>5320</b>	<b>0</b>	<b>9310</b>
		<b>(vii) Maintenance after 7 years</b>				
	(a)	Weeding / tending	10	3800		3800
	(b)	Fire protection measures	2	760		760
	(c)	Add 75% of 3(vii) column 5 total labour component for anticipated revision of wage rate				3420
		<b>Sub Total :</b>	<b>12</b>	<b>4560</b>	<b>0</b>	<b>7980</b>
		<b>(viii) Maintenance after 8 years</b>				
	(a)	(a) Weeding / tending	10	3800		3800
	(b)	(b) Fire protection measures	2	760		760

S.N		Item of work	Manday required (In No.)	Labour Component (in Rs.)	Material Component (in Rs.)	Cost/Ha (in Rs.)
1	2	3	4	5	6	7
	(c)	Add 100% of 3(viii) column 5 total labour component for anticipated revision of wage rate				4560
		<b>Sub Total :</b>	<b>12</b>	<b>4560</b>	<b>0</b>	<b>9120</b>
		<b>(ix) Maintenance after 9 years</b>				
	(a)	Weeding / tending	8	3040		3040
	(b)	Fire protection measures	2	760		760
	(c)	Add 100% of 3(ix) column 5 total labour component for anticipated revision of wage rate				3800
		<b>Sub Total :</b>	<b>10</b>	<b>3800</b>	<b>0</b>	<b>7600</b>
		<b>(x) Maintenance after 10 years</b>				
	(a)	(a) Weeding / tending	8	3040		3040
	(b)	(b) Fire protection measures	2	760		760
	(c)	Add 100% of 3(x) column 5 total labour component for anticipated revision of wage rate				3800
		<b>Sub Total :</b>	<b>10</b>	<b>3800</b>	<b>0</b>	<b>7600</b>
		<b>Total of Plantation Cost</b>	<b>309</b>	<b>117420</b>	<b>1890</b>	<b>147810</b>
4		Soil & Moisture Conservation measures including construction of check dams, gully plugging, contour trenching water harvesting structures etc. whatever necessary within the project area (15% of plantation cost)				22171
5		Fencing (5% of plantation cost)				7390
6		Monitoring & Evaluation (2% of plantation cost)				2956
7		Overheads (10% of plantation cost)				14781
		<b>GRAND TOTAL</b>				<b>195108</b>

**Cost of CA for Construction of By Pass at Chhiahtlang & Serchhip ( Package-I) on Aizawl to Tuipang Section of NH-54**

**(2.43278 x Rs 195108) = Rs 4,74,654.84 /- or say Rs. 4,74,655/-**

**(Rupees four lakhs seventy four thousand six hundred and fifty five) only**

  
**(LALBIAKCHAMA CHAWNGTHU)**  
 Divisional Forest Officer  
 Thenzawl Forest Division

EXTENT OF VIOLATION AT BY PASS AT CHHIAHTLANG & SECHHIP (PACKAGE -I) ON  
AIZAWL-TUIPANG SECTION OF NH-54 AND CALCULATION OF PENALTY

EXTENT OF VIOLATION

As per office record of DFO Office, Thenzawl Forest Division, there has been violation of Forest Conservation Act 1980 while constructing By Pass at Chhiahtlang and Serchhip (Package -I) on Aizawl - Tuipang section of NH-54. Till date, the User Agency (NHIDCL) has not obtained Stage -I approval (IPA) for this package. However it was found that the excavation- earth cutting and dumping of spoil had started in 2020.

Further, it was also found that the User Agency has not complied with the Muck Disposal Plan for this Package submitted to Govt of India. The irregular muck disposal along By Pass had caused huge environmental damages such as loss of perennial streams, destruction of vegetation and siltation of rivers in the downhill areas etc.

The Inspection Report of Range Officer concerned shows that the total damage area of land (land covered by disposed muck) due to irregular muck disposal along By Pass Road is 9.50 Ha (4.00 Ha along Chhiahtlang By Pass and 5.50 Ha along Serchhip By Pass)

CALCULATION OF PENALTY

The forest area diverted for construction of By Pass at Chhiahtlang & Serchhip (Package-I) on Aizawl-Tuipang section of NH-54 is 2.43278Ha

Eco Class: I; Canopy Density: 0.5% and therefore NPV Rate / Ha = Rs 14, 36,670.00

Now, Total NPV to be paid by User Agency  
 $\text{Rs } 14, 36,670.00 \times 2.43278 = \text{Rs } 34, 95,102.00$

And Road Project being public utility project, Monetary Penalty to be paid by User Agency as per FC Act 1980 guidelines Para 1.21(ii)

$\text{Rs } 34, 95,102.00 \times 5 \times 20\% = \text{Rs } 34, 95,102.00$

***Therefore, the monetary penalty to be paid by UA is Rs 34, 95,102.00 (Rupees thirty four lakh ninety five thousand one hundred and two plus 12% simple interest till the deposit is made.***



(LALBIAKCHAMA CHAWNGTHU)  
 Divisional Forest Officer  
 Thenzawl Forest Division

**NPV FOR DIVERSION OF 2.43278 HA OF FOREST LAND FOR CONSTRUCTION OF  
BYPASS AT CHHIAHTLANG & SERCHHIP (PACKAGE-I) ON AIZAWL-TUIPANG SECTION  
OF NH-54 IN THE STATE OF MIZORAM**

Name of project: CONSTRUCTION OF BYPASS AT CHHIAHTLANG & SERCHHIP (PACKAGE-I) ON  
AIZAWL-TUIPANG SECTION OF NH-54 IN THE STATE OF MIZORAM

Name of User Agency : NHIDCL  
State : Mizoram  
District : Serchhip  
Division : Thenzawl Forest Division

Area of Forest land  
proposed to be diverted : 2.43278 Ha

Eco-Class : Class I

Forest Cover : Dense Forest

NPV Rate : Rs.14, 36,670/-per Ha

Total NPV : **Rs. 34, 95,102.0426**

**Say Rs. 34, 95,102.00**

***(Rupees thirty four lakhs ninety five thousand one hundred and two) only.***



**(LALBIAKCHAMA CHAWNGTHU)**

Divisional Forest Officer  
Thenzawl Forest Division  
Thenzawl : Mizoram