

**GOVERNMENT OF ARUNACHAL PRADESH**  
**DEPARTMENT OF ENVIROMENT, FOREST & CLIMATE CHANGE**  
**ITANAGAR**

No.FOR.05/CONS/2021/5172-78  
To

Dated. Itanagar, the 11<sup>th</sup> December'2024

The Deputy Director General of Forests (Central),  
Sub Office, Guwahati (under Regional Office, Shillong)  
4<sup>th</sup> Floor, Housefed Building, Rukminigaon  
Guwahati- 781022

Sub: Diversion of 6.18 ha. of forest land for construction of flood protection work near general ground at Seijosa in Pakke Kessang District of Arunachal Pradesh-Reg.

Ref: IRO, Guwahati's letter No. F. No. 3-AN C/257/2024/GHY/311-12 Dated 23<sup>rd</sup> July'2024

Madam,

With reference to above letter on the subject, it is to submit and enclosed herewith following information/documents sought vide your letter cited under reference in respect of above-mentioned proposal:

1.	The minutes of the meeting of Project Steering Committee (PSC) of the proposal is to be submitted vide Ministry letter FC-11/118/2021-FC Dated 25.01.2024.	This proposal was submitted before 28.06.2022, at that time there was no provision of PSC meeting. As such there is no minutes of meeting of Project Steering Committee (PSC) of the proposal.
2.	The appropriate muck disposal plan as recommended in 72 <sup>nd</sup> Meeting of Standing Committee of NBWL held on 25.04.2023.	An undertaking has been submitted by user agency ( <b>copy enclosed as Annexure-I</b> ) stating that there is no muck disposal plan against the project, the extraction of riverbed materials on water flow and channel dynamics materials will be used at designated site directly and there will be no muck disposal deposition anywhere else.
3.	The existing width of the Pakke river where the area has been proposed for this project and width after the construction of this proposed embarkment.	The existing width of the Pakke river varies at different chainage 0.00m to 4000 m of average width 550.00 to 800.0 m. Hence, the river course and its width will remain same even after the construction of the proposed embarkment.
4.	Whether any cutting of greenfield area is required, if involved area in hectare and details to be provided.	This flood protection project at Seijosa has been initiated by WRD Department, Govt. of Arunachal Pradesh along the left bank of Pakke River for protection of human settlement, agricultural & horticultural land from seasonal flood caused during rainy season. Further, there is no additional area required for

		any green field area and this project will not have any adverse effect on environment.
5.	State Forest Department to clarify whether any preventive and protective measures have been carried out on any impact on the natural river course of Pakke river and to the remaining settlement area near to the river which are not covered within this proposed embarkment.	Mitigation measures has been adopted and has been approved under Wildlife Clearance separately. Copy of same is enclosed as <b>Annexure-II</b>
6.	The CA is to be identified as the Van (Sanrakshan Evam Samvardhan) Adhiniyam,1980 & Van (Samrakshan Evam Samvardhan) Rules,2023, guideline & clarification,2023.	The 12.36 Ha. CA area identified in Sikong Kosing VRF under Along Forest Division and copy of Mutation Certificate is enclosed as <b>Annexure-III</b>
7.	The SOI map indicating the CA site with GPS coordinates and site suitability certificate, KML file etc. as the uploaded data found incorrect.	SOI map of CA area identified in Sikong Kosing VFR is enclosed as <b>Annexure-IV</b> & KML file enclosed as <b>Annexure-V</b>
8.	The revised CA scheme technically approved and signed by the competent authority.	Revised CA estimate approved by NO(FCA) is enclosed as <b>Annexure-VI</b>
9.	To clarify on name of district involved as it is mentioned as Pakke Kessang District and West Kameng in Part-I form whereas mentioned as East Kameng in Part-I form whereas mentioned as East Kameng in Part-II form.	1.The area proposed under diversion falls under the jurisdiction of DFO, Pakke, WLS&TR and DFO, Khellong Forest Division. 2. The area proposed under diversion falls under Pakke Kessang district bifurcated and formed from East Kameng District in 2018.
10.	NPV calculation of the proposed area as found not uploaded on portal.	Copy enclosed as <b>Annexure-VII</b>

In view of above, I would, therefore, request you to kindly convey the early approval of the Ministry of Environment, Forest & Climate Change, Government of India under Section-2(ii) of the Van (Sanrakshan Evam Samvardhan) Adhiniyam,1980 for diversion of the forest land in question in favour of Executive Engineer, Water Resources Division, Pakke Kessang District, Govt. of Arunachal Pradesh for construction of flood protection work near general ground at up-stream of decorai irrigation project at Seijosa in Pakke Kessang District of Arunachal Pradesh.

**Enclosed: As stated above**

Yours faithfully,

  
(Debendra Dalai)

Addl. PCCF (Cons) & Nodal Officer (FCA)

No. FOR.05/Cons/2021/

Dated Itanagar, the 11<sup>th</sup> December'2024

**Copy to: -**

1. The Secretary, Govt. of India, Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi – 110003 for information.
2. The PCCF(WL&BD), Govt. of Arunachal Pradesh for his information.
3. The Chief Conservator of Forests, WAC, Banderdewa for information and necessary action.
4. The Divisional Forest Officer, Khellong Forest Division, West Kameng District for information and necessary action.
5. The Divisional Forest Officer, Pakke WLS& Tiger Reserve, Seijosa, Pakke Kessang District for information and necessary action.
6. The Executive Engineer, Water Resource Department, Lemmi, Govt. of Arunachal Pradesh, Pakke Kessang District for information and necessary action.

/  
(Debendra Dalai)  
Addl. PCCF (Cons) & Nodal Officer (FCA)



<h1>EE</h1>	<b>GOVERNMENT OF ARUNACHAL PRADESH OFFICE OF THE EXECUTIVE ENGINEER, WATER RESOURCES DIVISION::LEMMI::PAKKE-KESSANG DISTRICT</b>	
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No.WRD/LEM/SCH-03/2020-21/

Dated Lemmi, the 29/08/2024

To,

The PCCF( WL&BD)  
Wildlife Itanagar, Arunachal Pradesh

Sub: Forwarding of **No** Muck disposal plan Proposal for use of 6.18ha Forest land pakke Tiger Reserve for Flood Protection work near General ground at upstream side of Decorai Irrigation Project at Seijosa in pakke kessng District.

Sir,

Enclosed, Please find here with the forwarding of **No muck disposal plan** by from user Agency. As per recommendation of the 72<sup>nd</sup> meeting of the Standing committee of National Board for Wildlife held on 25<sup>th</sup> April 2023.

This for favour of your kind necessary action please.

Executive Engineer,  
Water Resources Divisor  
Lemmi.  
*Executive Engineer*  
WR Division, Lemmi.

Memo: No.WRD/LEM/SCH-03/2020-21/


Dated Lemmi, the 29/08/2024

**Copy to:**

1. The Divisional Forest Officer, Pakke Wildlife Sanctuary and Tiger Reserve for information.
2. The Divisional Forest Officer, Khellong Forest Division, Bhalukpong for information.
3. The Chief Engineer Water Resource Department (W/Z) for information please.
4. Office copy.

Executive Engineer,  
Water Resources Divisor  
Lemmi.  
*Executive Engineer*  
WR Division, Lemmi.



EE	GOVERNMENT OF ARUNACHAL PRADESH OFFICE OF THE EXECUTIVE ENGINEER, WATER RESOURCES DIVISION:::LEMMI:::PAKKE-KESSANG DISTRICT	
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No.WRD/LEM/SCH-03/2020-21/


Dated Lemmi, the 29/08/2024


### UNDERTAKING

As per recommendation of the 72<sup>nd</sup> meeting of the Standing committee of National Board for Wildlife held on 25<sup>th</sup> April 2023, The undersigned is undertaking to used locally available material at site to be used for the construction of the project **“Protection work near general ground at Up-stream side of Decorai Irrigation project at Seijosa in Pakke Kessang District”**. The extraction of riverbed materials on water flow and channel dynamics materials will be used at designated site directly to no muck disposal deposition elsewhere.

Place: Lemmi

Dated: Lemmi the 29<sup>th</sup> August 2024

  
Executive Engineer,  
Water Resources Divisor  
Lemmi.  
Executive Engineer  
WR Division, Lemmi.

EE	GOVERNMENT OF ARUNACHAL PRADESH OFFICE OF THE EXECUTIVE ENGINEER, WATER RESOURCES DIVISION::LEMMI::PAKKE-KESSANG DISTRICT	
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No.WRD/LEM/SCH-03/2020-21/


Dated Lemmi, the 29/08/2024

**UNDERTAKING**

As per recommendation of the 72<sup>nd</sup> meeting of the Standing committee of National Board for Wildlife held on 25<sup>th</sup> April 2023, The undersigned is undertaking to used locally available material at site to be used for the construction of the project **“Protection work near general ground at Up-stream side of Decorai Irrigation project at Seijosa in Pakke Kessang District”**. The extraction of riverbed materials on water flow and channel dynamics materials will be used at designated site directly to no muck disposal deposition elsewhere.

Place: Lemmi

Dated: Lemmi the 29<sup>th</sup> August 2024

  
 Executive Engineer,  
 Water Resources Division  
 Lemmi.  
 Executive Engineer  
 WR Division, Lemmi.



**F.No.WL-6/20/2023-WL**  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Wild Life Division)

204

2<sup>nd</sup> Floor, Vayu Wing,  
Indira Paryavaran Bhawan,  
Jor Bag Road, New Delhi-110003.

**Date: 11<sup>th</sup> May, 2023**

To  
All Members  
Standing Committee of NBWL

**Sub:** Minutes of 72<sup>nd</sup> Meeting of the Standing Committee of National Board for Wild Life-reg.

Sir/Madam,

Kindly find enclosed copy of the Minutes of 72<sup>nd</sup> Meeting of the Standing Committee of National Board for Wild Life held on 25<sup>th</sup> April, 2023 under the chairmanship of Hon'ble Minister of Environment, Forest and Climate Change, Government of India.

Yours faithfully,  
SUDHEER  
CHINTALAPATI  
Digitally signed by SUDHEER  
CHINTALAPATI  
Date: 2023.05.11 12:33:35 +I  
**(Dr. Sudheer Chintalapati)**  
Scientist 'E'  
Email: adwl-mefcc@gov.in.

**Encl:** As above

**Distribution:**

1. Secretary, MoEF & CC
2. DGF&SS, MoEF&CC.
3. ADGF(WL), MOEF&CC.
4. ADGF(FC), MoEF&CC.
5. Member Secretary, NTCA.
6. Director/IGF, PE Division, MoEF&CC.
7. Director, WII, Dehradun.
8. Director, GEER Foundation, Gandhinagar.
9. Dr. R. Sukumar, Member, NBWL.
10. Dr. H.S. Singh, Member, NBWL.
11. Secretary, Environment, Forest, Science and Technology Department, Govt. of Andhra Pradesh.

**Copy to:**

1. PS to Hon'ble MoEF&CC.
2. PS to Hon'ble MoS, EF&CC.
3. PPS to Secretary, MoEF & CC
4. PPS to DGF&SS, MoEF&CC.



5. PSO to Addl. DGF(WL)/PPS to IGF(WL).
6. Additional Chief Secretary/Principal Secretary/Secretary, Forest Department, Government of Arunachal Pradesh/Andhra Pradesh/ Bihar/ Chattisgarh/Karnataka/ Maharashtra/Madhya Pradesh /Manipur/Haryana/ Rajasthan/ Ladakh/ Tamil Nadu/ Telangana/ Uttarakhand/ Uttar Pradesh.
7. PCCF and HoFF, Government of Arunachal Pradesh/ Andhra Pradesh/Bihar/Chattisgarh/Karnataka/Maharashtra/Madhya Pradesh/ Manipur/Haryana/Rajasthan/Ladakh /Tamil Nadu/ Telangana/ Uttarakhand/ Uttar Pradesh.
8. CWLW, Government of Arunachal Pradesh/ Andhra Pradesh/Bihar/ Chattisgarh/Karnataka/ Maharashtra/Madhya Pradesh/Manipur/Haryana /Rajasthan/Ladakh/Tamil Nadu/ Telangana/ Uttarakhand/Uttar Pradesh.

**Copy also to:** Sr.Technical Director, NIC with a request to upload the minutes of the meeting on PARIVESH Portal.

## MINUTES OF THE 72<sup>nd</sup> MEETING OF THE STANDING COMMITTEE OF NATIONAL BOARD FOR WILD LIFE HELD ON 25<sup>th</sup> APRIL, 2023

The 72<sup>nd</sup> meeting of the Standing Committee of the National Board for Wild Life was held on 25<sup>th</sup> April, 2023 under the chairmanship of the Hon'ble Minister for Environment, Forest & Climate Change. The list of participants is placed at Annexure-I.

The Member Secretary welcomed the participants to the meeting and informed them about the number of proposals received on the PARIVESH portal and those under process at various levels. He then requested IGF (WL) to initiate the discussion on the Agenda Items.

### AGENDA ITEM No.1

#### 72.1. Confirmation of the minutes of the 71<sup>st</sup> Meeting of the Standing Committee of National Board for Wild Life held on 29<sup>th</sup> December, 2022.

The Standing Committee was informed that the minutes of the 71<sup>st</sup> meeting of the Standing Committee of National Board for Wild Life held on 29<sup>th</sup> December, 2022 were circulated to all the Members and no comments have been received on the minutes.

**Decision Taken:** The Standing Committee decided to confirm the minutes of its 71<sup>st</sup> meeting held on 29<sup>th</sup> December, 2022.

### AGENDA ITEM No.2

#### (Action Taken Report)

- 72.2.1
- a. **Proposal for collection of Minor Minerals from Song 1, 2, 3 and Jakhan 1, 2 of Dehradun Forest division, Uttarakhand-FP/UK/MIN/38285/2020.**
  - b. **Proposal for extraction of RBM over an area of 9.878 ha by Windlass RBM Mining Project FP/UK/MIN/5059/2020**
  - c. **Proposal for extraction of RBM over an area of 13.161 ha by Windlass RBM Mining Project FP/UK/MIN/5052/2020**

These proposals for mining of River Bed Materials in the default Eco-sensitive Zones were considered by the Standing Committee and deferred. The Proposal no. FP/UK/MIN/38285/2020 is from Uttarakhand Forest Development Corporation involves four mining lots within default 10 km ESZ of Rajaji Tiger Reserve. The proposed areas for mining are situated at different distances viz. 0.7 to 8.5 km from the northern boundary of the western part of Rajaji Tiger Reserve (Song 1-8.5 km (202 ha), Song 2-5.1 km (136.85 ha), Song 3-0.2 km (93.5 Ha) & Jakhan-5.4 km (96.5 ha). The proposal no. FP/UK/MIN/5052/2020 is for use of an area of 13.161 ha by Windlass RBM Mining Project a distance of 1.1 km from the boundary of Rajaji Tiger Reserve.

18. No labour camps shall be allowed inside the core area of the Tiger Reserve.

19. Construction works shall be allowed only between sunrise and sunset.

20. The annual compliance certificate on the stipulated conditions should be submitted by the project proponent to the State Chief Wildlife Warden and an annual compliance certificate shall be submitted by the State Chief Wildlife Warden to Gol

72.4.2

#### **FP/AR/ROAD/148555/2021**

The Standing committee was informed that the proposal is for use of 103.95 ha of forest land from Dibang Wildlife Sanctuary for construction of MipiAndrala road in Dibang Valley district, Arunachal Pradesh.

The proposal has been recommended by Chief Wildlife Warden, State Board for Wildlife and State Government.

Dr. Sukumar said that best practices in terms of construction and providing the animal passage plan should be adopted.

ADG(WL) noted that the cost of mitigation measures has been mentioned as Rs. 346 lakh by the User Agency whereas DFO has mentioned it as Rs. 480 lakhs. Chief Wild Life Warden, Arunachal Pradesh clarified that the cost of the proposed mitigation measures is Rs. 480 lakh.

Dr. H.S. Singh said that the proposed animal passage plan is weak since it does not support the movement of elephants.

#### **Decision Taken:**

After discussion, the Standing Committee decided that WII will re-examine the proposed animal passage plan and submit its report by next meeting. Accordingly, the proposal was deferred.

72.4.3

Proposal for use of 6.18 ha of forest land from Pakke Tiger Reserve for Flood Protection Work near General ground at Up-Stream side of Decorai Irrigation Project at Seijosa in PakkeKessang District, Arunachal Pradesh.

#### **FP/AR/Others/122946/2021**

The Standing committee was informed that the proposal is for use of 6.18 ha of forest land from Pakke Tiger Reserve for Flood Protection Work near General ground at Up-Stream side of Decorai Irrigation Project at Seijosa in PakkeKessang District, Arunachal Pradesh.

The proposal has been recommended by Chief Wildlife Warden, State Board for Wildlife and State Government.

#### **Decision Taken:**



After discussion, the Standing Committee recommended the proposal subject to the following conditions:

1. Considering the presence of wildlife in the area, moderate sloped ramps/stairs should be constructed at regular intervals (preferably every 500 meter) along the embankment and the width of the ramps/stairs should be adequate enough (around 20-30 m) for allowing passage of group living animals such as elephants.
  2. The Project Proponent has informed that locally available materials would be used for construction. This should be subject to consideration of extraction of river bed materials on water flow and channel dynamics. Otherwise, construction materials may have to be procured from outside and an appropriate muck disposal plan should be prepared for approval of competent authority of Arunachal Pradesh Forest Department.
  3. All construction work should be during daytime and no labor camp should be established within forested areas.
  4. Once the project is implemented, the forest department should keep vigilance over the dam by constructing manned watch tower(s) at strategic location(s) near the dam at their cost of the user agency.
  5. The CWLW, Arunachal Pradesh to have appropriate mechanism in place for compliance of the conditions laid in this OM during various phases of project implementation
- 72.4.4 Proposal for use of 2.54 ha from Vikramshila Gangetic Dolphin Sanctuary for beautification of BrariGhat (RFD) Bhagalpur under Smart City Mission, Bihar.

#### **FP/BR/Others/6298/2022**

The Standing committee was informed that the proposal is for use of 2.54 ha from Vikramshila Gangetic Dolphin Sanctuary for beautification of BrariGhat (RFD) Bhagalpur under Smart City Mission, Bihar.

The proposal has been recommended by Chief Wildlife Warden, State Board for Wildlife and State Government.

**Decision Taken:** After discussion, the standing committee decided to recommend the proposal subject to the following conditions:

1. During construction in the sanctuary area, the user agency shall not destroy or change or regulate the dolphin habitat, including stopping or changing or regulating the flow of water.
2. The user agency shall not harm, exploit or destroy any wildlife in the sanctuary area and shall strive to ensure the same.

## ARUNACHAL PRADESH

## A. PROPOSAL FALLING INSIDE PROTECTED AREAS

S. No.	File No	Name of the Proposal
1	6-250/2022 WL	FP/AR/ROAD/148555/2021
2	6-251/2022 WL	Proposal for use of 6.18 ha of forest land from Pakke Tiger Reserve for Flood Protection Work near General ground at Up-Stream side of Decorai Irrigation Project at Seijosa in Pakke Kessang District, Arunachal Pradesh. FP/AR/Others/122946/2021

(2)

1	<b>Name of the Proposal</b>	Proposal for use of 6.18 ha of forest land from Pakke Tiger Reserve for Flood Protection Work near General ground at Up-Stream side of Decorai Irrigation Project at Seijosa in Pakke Kessang District, Arunachal Pradesh.  <b>FP/AR/Others/122946/2021</b>
2	<b>Name of the protected Area involved</b>	Pakke Tiger Reserve
3	<b>File No.</b>	6-251/2022 WL
4	<b>Name of the State</b>	Arunachal Pradesh
5	<b>Whether proposal is sub-judice</b>	Not sub-judice
6	<b>Area of the protected area</b>	861.95 Sq. Km
7(a)	<b>Area proposed for diversion/ Denotification</b>	6.18 ha
7(b)	<b>Area so far diverted from the protected area(s)</b>	NA
8	<b>Status of ESZ, if any</b>	Proposal received from the State Government and is under examination.
9.	<b>Specific comments w.r.t section 29 to the Wild Life (Protection) Act, 1972</b>	The proposed structure is at the boundary of protected area i.e., Pakke Wildlife Sanctuary and Tiger Reserve U/A WPA 1972. Hence, destruction inside protected area is of less possibility but the passage of wildlife movement may be disrupted due to construction of the proposed embankment.
10	<b>Whether project linear/non-linear</b>	Linear
11	<b>Whether EC obtained</b>	No
12	<b>Date of submission by user agency</b>	07/02/2022
13	<b>Name of the applicant agency</b>	Water Resources Department, Lemmi
14	<b>Total number of tree to be felled</b>	Nil
15	<b>Maps depicting the Sanctuary and the diversion proposal included or not</b>	Yes
16	<b>Recommendation of State Board for Wild Life</b>  Proposal was recommended by State Board for Wild Life in its 23rd meeting held on 17.09.2022.	



17	<b>Brief justification on the proposal as given by the applicant agency</b>  The "Flood protection Work near General ground at up-stream side of Decorai Irrigation Project at Seijosa in Pakke Kessang District, Arunachal Pradesh." is very important project for the Administrative Head Quarter. The Seijosa administrative HQ is situated at Latitude 26* 57'32.20" N and Longitude 93* 00, 36.20" E. The alignment of embankment is comes under Khellong Forest Division'.  This area is a flood prone area which threatened by Pakke river during every monsoon and people of this area suffered by losing their agril land, houses, cattle's and other valuable properties. Hence this project is identified as urgent needs of the people of this area. The construction of this Flood Protection Project will check the losses occurred due to flood every year and the affected people will raise their income by using the affected land for their agriculture, horticulture, Pisciculture activities.  The construction of this project will be dreams come true for the people of the Seijosa Administrative HQ.												
18	<b>Rare and endangered species found in the area</b>  Pakke Tiger Reserve is home to tiger, leopard, clouded leopard, jungle cat, wild dog, jackal, Himalayan black bear, binturong, elephant, gaur, sambar, hog deer, barking deer, wild boar, yellow-throated marten, Malayan giant squirrel, flying squirrel, squirrel and Assamese macaque etc.												
19	<b>Type of Forest</b>  NA												
20	<b>Opinion of the Chief Wild Life Warden</b>  The Chief Wild Life Warden has recommended the proposal subject to implementation of mitigation plan.												
21	<b>Mitigation Measures:</b>  <div>1. Changing the slope of embankment on the river side from 26.5 degrees to 18.5 degrees for easy access to wildlife especially elephants in areas where animal migration happens.</div> <div>2. Construction of stairs against the flow of river course shown in drawing attached in the mitigation plan to facilitate the crossing of wildlife</div> <div>3. Keeping the slope of village side as natural mud slope with vegetation as it need be concretized.</div> <div>4. Four numbers of watchtowers one each at firing nallah, pate nallah, SBI nallah and near General Ground have been proposed each with the following cost as follows with total cost of four watch towers equal to Rs. 24, 40,000/-.</div>												
<table><tr><th>Sl.No</th><th>Particulars of works</th><th>Qnty</th><th>Rate</th><th>Amount (in Rs. Lakhs)</th><th>Remarks</th></tr><tr><td>1.</td><td>C/o Hill type watch tower as per</td><td>9m3</td><td>60,000/-</td><td>5,40,000/-</td><td>As per</td></tr></table>		Sl.No	Particulars of works	Qnty	Rate	Amount (in Rs. Lakhs)	Remarks	1.	C/o Hill type watch tower as per	9m3	60,000/-	5,40,000/-	As per
Sl.No	Particulars of works	Qnty	Rate	Amount (in Rs. Lakhs)	Remarks								
1.	C/o Hill type watch tower as per	9m3	60,000/-	5,40,000/-	As per								

	plan&specification with pre-fabricated iron structure fitted over RCC post, iron pre-fabricated staircase, railing, truss, purlins etc. with wooden flooring of best available local wood. Tata Shakti, 45 mm CGI sheet roofing with GI ridging & AC board ceiling all complete as per plan and specification.				cost analysed
2	TDS & GST @ 2% each			21,600/-	
3	1% labour cess			2,160/-	
4	Royalty on RBM- Aggregate-15 cum@104/- Sand-15 cum@65/-			1,560/- 975/-	
5	1.5% contingency			8,100/-	
6	Transportation charge			25,000/-	
7	Cost of POL for monitoring of works			10,000/-	
			Total	6,09,395/- each	
	Therefore cost of four towers		Grand Total	24,40,000/-	
<p>5. Changing the specifications of culvert for passage of wildlife. The height of culvert shouldn't be less than 4 m. Additionally mitigation measures suggested at s.no. 2 should be constructed at both ends of the culvert.</p> <p>6. Erection of signages and hoardings at each of the four locations mentioned at s.no. 4 at the cost of Rs. 14,80,000/- at the rate of Rs. 3,70,000/- each.</p> <p>The mitigation plan is placed as <b>ANNEXURE- XXXV</b>.</p>					
22	<b>Violation, if any</b>				
	No				
23	<b>Comments of the National Tiger Conservation Authority</b>				
	<p>National Tiger Conservation Authority (NTCA) vide letter no.F.No.7-39/2022-NTCA dated 1st March, 2023 has suggested following mitigation measures</p> <ol style="list-style-type: none"> <li>1. Considering presence of wildlife in the area, moderate sloped ramps/stairs should be constructed at regular intervals (preferably every 500 meter) along the embankment and the width of the ramps/stairs should be adequate enough (around 20-30 m) for allowing passage of group living animals such as elephants.</li> <li>2. The Project Proponent has informed that locally available materials would be used for construction. This should be subject to consideration of extraction of river bed materials on water flow and channel dynamics. Otherwise, construction materials may have to be procured from outside and an appropriate muck disposal plan should be prepared for approval of</li> </ol>				

	<p>competent authority of Arunachal Pradesh Forest Department.</p> <ol style="list-style-type: none"> <li>3. All construction work should be during daytime and no labor camp should be established within forested areas.</li> <li>4. Once the project is implemented, the forest department should keep vigilance over the dam by constructing manned watch tower(s) at strategic location(s) near the dam at their cost of the user agency.</li> <li>5. The CWLW, Arunachal Pradesh to have appropriate mechanism in place for compliance of the conditions laid in this OM during various phases of project implementation.</li> </ol>
24	<p><b>Comments of Ministry</b></p> <p>Hon'ble Supreme Court of India vide order dated 8.2.2023 in the W.P. (C) no. 202 of 1995 has directed that</p> <p><b><i>Until further orders, we restrain the authorities from making any construction within the areas notified as Tiger Reserves and National Parks and Wildlife Sanctuaries.</i></b></p> <p><b>The Standing Committee may like to take a view on the proposal.</b></p>



Annexure - I

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GOVERNMENT OF ARUNACHAL PRADESH  
OFFICE OF THE EXECUTIVE ENGINEER:: WATER RESOURCES  
DIVISION :: LEMMI :: PAKKE-KESSANG DISTRICT




No. WRD/LEM/FC/01/2020-21/

Dated Lemmi, the 17<sup>th</sup> Oct' 2024.

TO WHOM IT MAY CONCERN

This is to certified that the alignment of embankment is fixed/going through the existing left bank of Pakke river, so there is no any change of natural river course of Pakke river and no any adverse impact will occurred due to construction of embankment to remaining settlement area near the river which are not covered within this proposed embankment.

  
Executive Engineer,  
Water Resources Divisor  
Lemmi.  
~~Executive Engineer  
WR Division, Lemmi.~~

EE

GOVERNMENT OF ARUNACHAL PRADESH  
OFFICE OF THE EXECUTIVE ENGINEER:: WATER RESOURCES  
DIVISION :: LEMMI PAKKE-KESSANG DISTRICT



No.WRD/LEM/02/12/2021-22/  
To,

Dated: Lemmi the 29<sup>th</sup> August 2024.

The Additional PCCF (Cons) & NO (FCA),  
Itanagar, Arunachal Pradesh.

Sub:- Reply of Diversion of 6.18ha Forest land for construction of flood protection work near general ground at Seijosa in Pakke kessang District of Arunachal Pradesh.

Ref: FOR.05/Cons/2021/3666-69, Dated; 22<sup>nd</sup> August 2024.  
Sir,

With reference to the cited above It is to inform you that the reply for the observation on the proposed diversion of 6.18ha Forest land for construction of flood protection work near general ground at Seijosa in Pakke kessang District of Arunachal Pradesh, Sl. No. 3, & 4 of the project are as given below for necessary action Please.

1. The Existing width of the Pakke River varies at different Chainage 0.00m to 4000m of average width 550.00 to 800.00m. Hence, the river course and its width will remain same even after the construction of the proposed Embankment.
2. This project has been taken up along the left bank of Pakke River to protect the human settlement and agricultural & Horticultural land. Therefore no Green field area available along the river bank. Hence no Greenfield cutting/damage and adverse environmental effect in the proposed project.

This is for your kind information necessary action please.

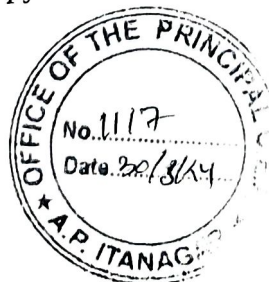
Yours sincerely

Executive Engineer,  
Water Resources Division  
Lemmi

Memo: No.WRD/LEM/02/12/2021-22/  
Copy to:-

Dated: Lemmi the 29<sup>th</sup> August 2024.

1. The PCCF(WL&BD) for information an necessary action please
2. The chief conservator of forest WAC. Banderdewa for information an necessary action.
3. The Division forest officer, Khellong for information an necessary action
4. The Division forest officer, Pakke Wildlife Sanctuary and Tiger Reserve for information an necessary action
5. Office copy.



Executive Engineer,  
Water Resources Division  
Lemmi

Government of Arunachal Pradesh  
Department of Environment, Forest and Climate Change  
Office of the Principal Chief Conservator of Forests  
(Wildlife & Biodiversity) and Chief Wildlife Warden: Itanagar

No. CWL/D/21/(446)2022/ 1553-55

Itanagar the 6<sup>th</sup> Sept' 2024

To,

The Additional PCCF (Cons)  
& Nodal Officer (FCA)  
Department of Environment Forests and Climate Change  
O/o the PCCF & HoFF  
Itanagar

**Sub: - Proposal for use of 6.18 ha of forest land from Pakke Tiger Reserve for Flood Protection Work near General Ground at Up-stream side of Decorai Irrigation Project at Seijosa in Pakke Kessang District, Arunachal Pradesh.**


Ref:- Letter No. CWL/D/21(466)/2022/556-61 dated 26.05.2023

Sir,

In continuation to this office letter no. cited above, you are requested to direct the Executive Engineer, Water Resource Department, Lemmi, Pakke Kessang District, Arunachal Pradesh to arrange to transfer an amount of Rs. 3,70,000/-(Rupees Three lakhs seventy thousand only) at an early date being estimated amount for Mitigation Measures against Mitigation Plan (copy enclosed) under CAMPA Account. The Mitigation Plan should be approved by the Chief Wildlife Warden, Arunachal Pradesh.

Encls: As above

Your's faithfully

  
(Dr. Damodhar A.T.), IFS  
Conservator of Forests (WL&BD)

Copy to :-

1. The Executive Engineer, Water Resource Department Lemmi, Pakke Kessang, Arunachal Pradesh for information and necessary action please.
2. The Divisional Forest Officer, Pakke Wildlife Sanctuary & Tiger Reserve for information.





## MITIGATION MEASURES FOR CONSTRUCTION OF EMBANKMENT ON RIVER PAKKE

Name of Project : - Diversion of 6.18 Ha of forestland for flood protection work  
near General Ground at upstream side of Dekorai irrigation project.

Location : - Seijosa

District : - Pakke Kessang (A.P.)

1. Changing the slope of Embankment on the river side from 26.5 degrees to 18.5 degrees for easy access to Wildlife especially Elephants in areas where Animal Migration happens.
2. Construction of stairs against the flow of river course shown in drawing attached as Annexure-I to facilitate the crossing of wildlife.
3. Keeping the slope of village size as natural mud slope with vegetation as it need not be concretized.
4. The structure proposed above and as in drawing, has to be constructed at following locations:-
  - a) Firing Nallah ( Geo-coordinate 26°57'57" N, 93°0'44" E)
  - b) Pate Nallah ( Geo coordinate 26° 57' 44" N, 93° 0' 46"E)
  - c) SBI Nallah ( Geo coordinate 26° 57' 28" N, 93° 0' 34"E)
  - d) Near General Ground (Geo-coordinate 26° 14' 52.39"N, 92° 99' 86.54"E)
5. Changing the specifications of culvert for passage of wildlife. The height of culvert shouldn't be less than 4 meter as per Annexure-II. Additionally mitigation measures suggested at Sl.No. 2 should also be constructed at both ends of the culvert.
6. C/o Watch Tower at above strategic location as per Detail estimate/Plan enclosed as Annexure-III
7. Erection of signage & hoardings as per Detail estimate enclosed as Annexure-IV at strategic locations where animals crossing is most likely to happen

Countersigned by:

(SUKAJ SINGH) IFS  
Divisional Forest officer  
Pakke WLS & Tiger Reserve

*Seijosa officer*  
Divisional Forest officer  
Pakke WLS & Tiger Reserve  
Seijosa (A.P.)

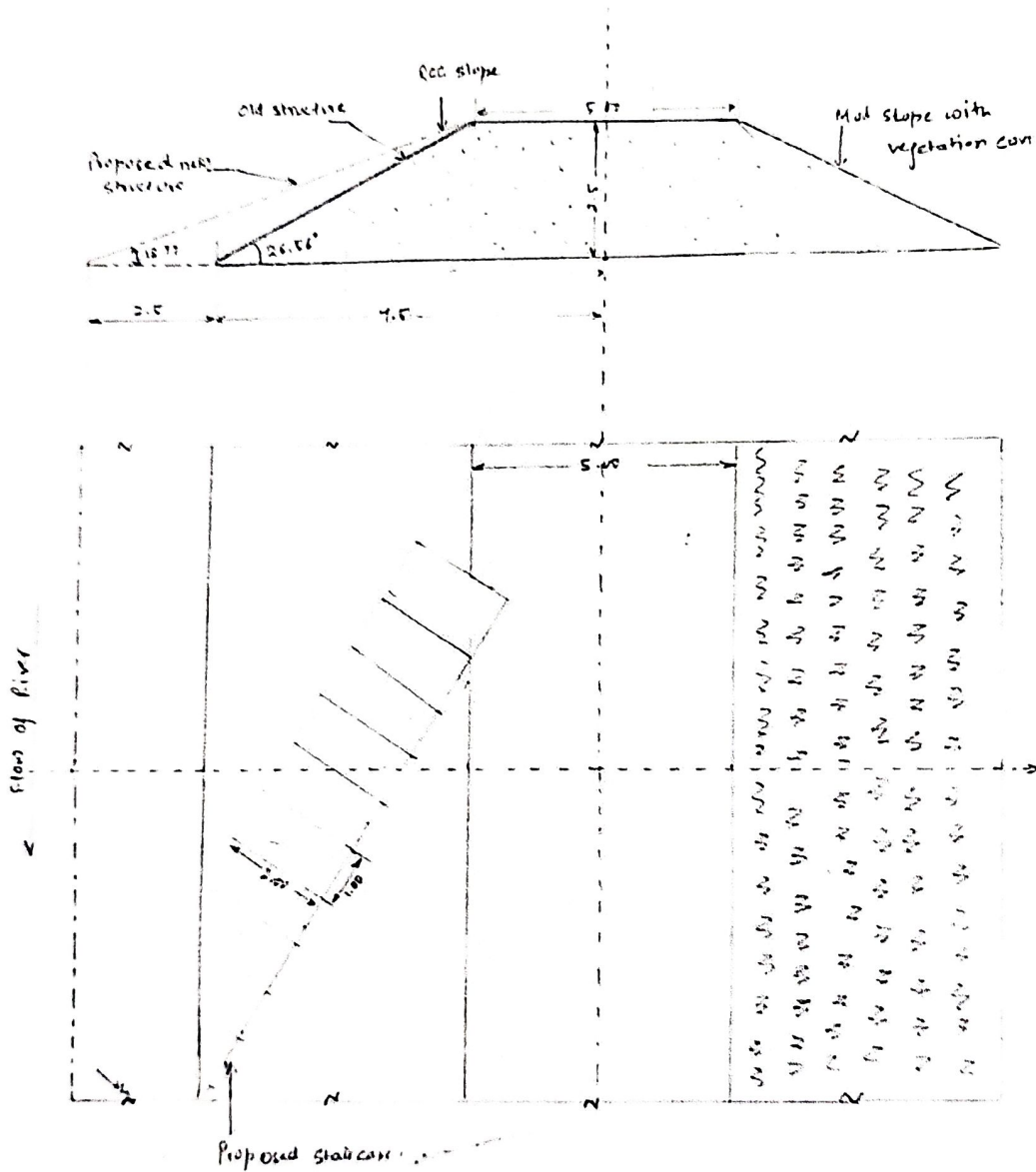
Prepared by: -

(KAMAL SONAR)  
PA to FD

Annexure-I

Embankment structure on R. Pakke

Proposed mitigation changes for Elephant Corridors

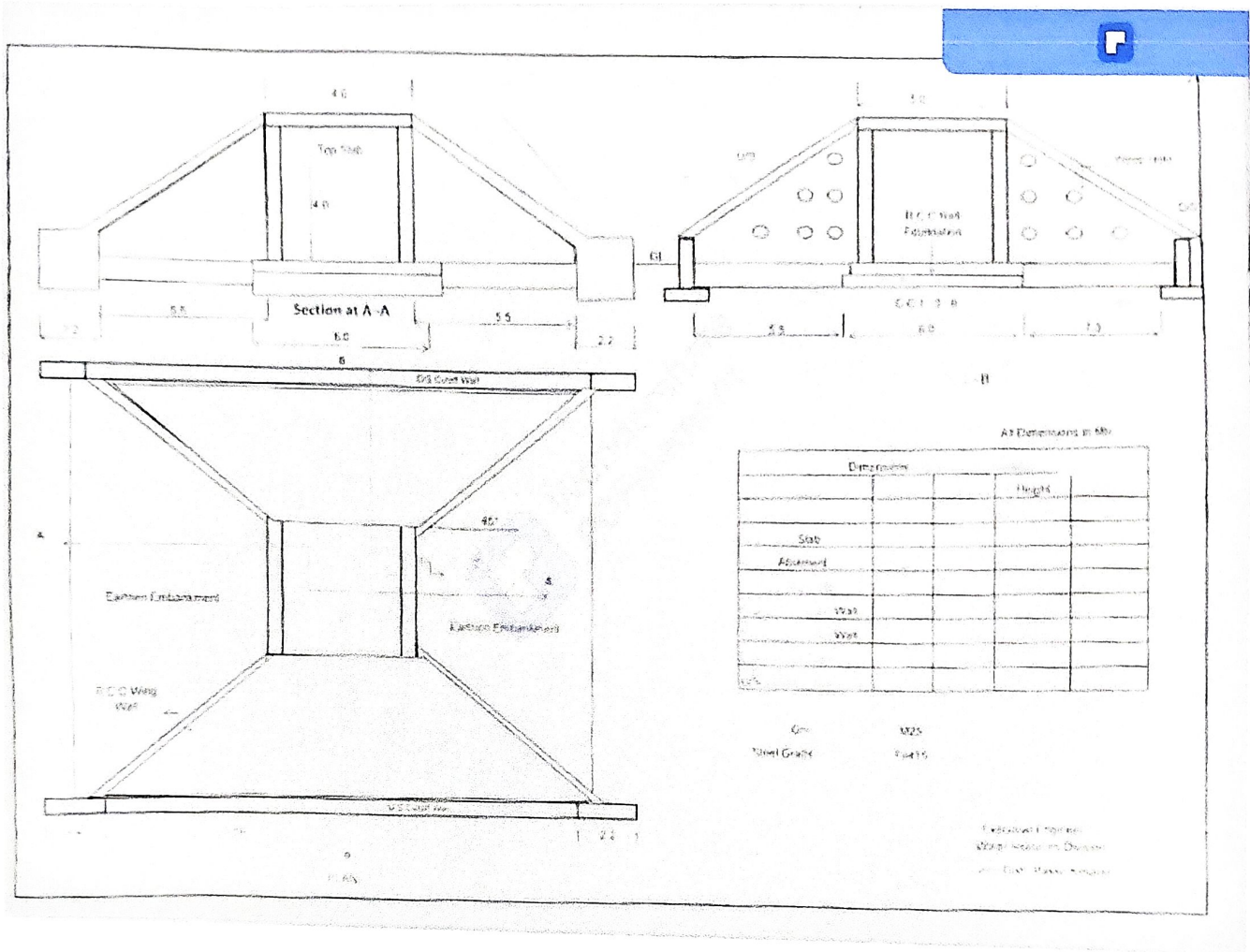


Scale: 1:100

Distt. Forest Officer  
Pakke W.L.S. & Tiger Reserve  
Bijapur (A.P.)

Annexure-II

PLAN & SPECIFICATION OF CULVERT AT STRATEGIC LOCATION FOR  
PASSAGE OF WILDLIFE



Divisional Forest Officer  
Pakke W.L.S. & Tiger Reserve  
Seijosa (A.P.)



## Annexure-III

Detail estimate for construction of watch tower at Strategic Location as mitigation measures

- a) Firing Nallah ( Geo-coordinate 26°57'57'' N, 93°0'44'' E)  
 b) Pate Nallah ( Geo coordinate 26° 57' 44'' N, 93° 0' 46''E)  
 c) SBI Nallah ( Geo coordinate 26° 57' 28'' N, 93° 0' 34''E)  
 d) Near General Ground (Geo-coordinate 26° 14' 52.39''N, 92° 99' 86.54''E)

Sl.No.	Particulars of works	Qty	Rate	Amount	Remarks
01.	C/o Hill type watch tower as per plan & specification with pre-fabricated iron structures fitted over RCC post, iron pre-fabricated staircase, railing, truss, purlins etc. with wooden flooring of best available local wood. Tata Shakti .45 mm CGI sheet roofing with GI ridging & AC board ceiling all complete as per plan and specification.	9m <sup>3</sup>	60,000/-	5,40,000/-	As per cost analyzed
02.	TDS & GST @ 2% each			21,600/-	
03.	1% labour cess			2,160/-	
04.	Royalty on RBM – a) Aggregate – 15 cum @ 104/- b) Sand – 15 cum @ 65/-			1,560/- 975/-	
05.	1.5% contingency			8,100/-	
06.	Transportation charge			25,000/-	
07.	Cost of POL for monitoring of works			10,000/-	
			Total =	6,09,395/-	

Say Rs. 6,10,000/- x 4 Nos. = 24,40,000/-

(Rupees Twenty four lakhs forty thousand) only

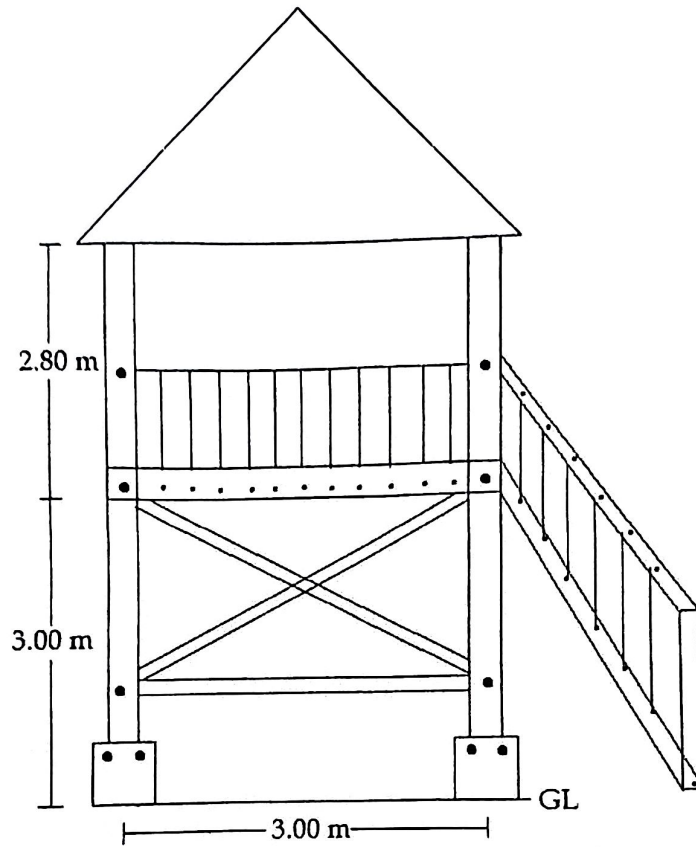
Prepared by: -

(KAMAL SONAR)  
PA to FD

Countersigned by: -

(SURAJ SINGH) IFS  
Divisional Forest Office  
Pakke WLS & Tiger Reserve  
Seijosa

Divisional Forest Officer  
Pakke W.L.S. & Tiger Reserve  
Seijosa (A.P.)



**PLAN OF WATCH TOWER – 9.00 Sqmtr.**

Prepared by: -

(KAMAL SONAR)  
PA to FD

Countersigned by: -

(SURAJ SINGH) IFS  
Divisional Forest Office  
Pakke WLS & Tiger Reserve  
Seijosa  
Divisional Forest Officer  
Pakke W.L.S. & Tiger Reserve  
Seijosa (A.P.)

## ANNEXURE-IV

Detail estimate for making & erection of signages & hoarding at Strategic Location as mitigation measures

- a) Firing Nallah ( Geo-coordinate 26°57'57" N, 93°0'44" E)  
 b) Pate Nallah ( Geo coordinate 26°57'44" N, 93°0'46"E)  
 c) SBI Nallah ( Geo coordinate 26°57'28" N, 93°0'34"E)  
 d) Near General Ground (Geo-coordinate 26°14'52.39"N, 92°99'86.54"E)

Sl.No.	Particulars of works	Qty	Rate	Amount	Remarks
01.	Making of signages & hoarding of size - 6 ft x 4 ft fitted with MS iron post and embedded with plain aluminium sheet i/c writing of caption and fitting fixing all complete at strategic location	8 Nos.	40,000/-	3,20,000/-	As per market rate
02.	Transportation cost	L.s.	L.s.	50,000/-	
			Total =	3,70,000/-	

(Rupees Three lakhs seventy thousand) only

Prepared by: -

(KANAL SONAR)  
PA to FD

Countersigned by: -

(SUDAM SINGH) IFS  
Divisional Forest Office  
Pakke WLS & Tiger Reserve  
Seijosa

Divisional Forest Officer  
Pakke W.L.S. & Tiger Reserve  
Seijosa (A.P.)



## SITE INSPECTION REPORT

With reference to the letter No. PSD/24/2020/524 dtd. 25/05/2022 the proposed site has been physically inspected by me on 26<sup>th</sup> May'2022.

The boundary of Pakke Tiger Reserve is the left bank of River Pakke. Due to changing course of river, the boundary keeps on changing. The proposed structure is on the left bank of the river to prevent flooding into the village and town areas. Hence, the proposed structure is on the boundary of Pakke Tiger Reserve.


The proposed site is <sup>used</sup> fragmented by wildlife for migration to nearby forest areas. Hence, mitigation measures can be taken for movement of wild animals during the construction work of proposed project.

1. Place of Inspection : - Near General Ground towards Firing Nallah.
2. Geo-coordinates : - 26°94'52.39"  
92°99'86.54"

Inspected by: -

  
 (MAYUK LAMGU)  
 Range Forest Officer  
 Seijosa Wildlife Range  
 Seijosa  
**Range Forest Officer**  
 Seijosa Wildlife Range  
 Seijosa (A.P.)

Countersigned by: -

  
 (SURAJ SINGH) IFS  
 Divisional Forest Officer  
 Pakke WLS & Tiger Reserve  
 Seijosa

**Divisional Forest Officer**  
 Pakke W.L.S. & Tiger Reserve  
 Seijosa (A.P.)

GOVERNMENT OF ARUNACHAL PRADESH  
OFFICE OF THE DEPUTY COMMISSIONER  
SIANG DISTRICT:: BOLENG

**MUTATION CERTIFICATE**

This is to certify that the villager of Tumbin village have donated a plot of land measuring 577.52 (Five Hundred Seventy Seven point Five Two) hectares of degraded USF area to the Department of Environment and Forests, Govt. of Arunachal Pradesh for declaring the aforesaid land as Village Reserve Forest for raising Compensatory Afforestation plantation.

The aforesaid plot of land as per schedule described below is mutated in the name of Department of Environment & Forests, Govt. of Arunachal Pradesh.

**SCHEDULE:**

1. District : Siang
2. Location of the land : Degraded USF area of Tumbin  
Area (near Sikong-Kosing)
3. Area : 577.52 Hectares

**BOUNDARY DESCRIPTION:** Tumbin area (near Sikong-Kosing)

North	Starting from a point at geo Co-ordinates 28° 28' 26.962" N, 94° 35' 15.536" E, near origin of unknown seasonal branch nallah of Sire River the boundary moves towards easterly direction following a ridge upto a peak point 18.35 at geo co-ordinate 28° 28' 33.139" N 94° 36' 9.238" E, thence, towards North-Easterly direction upto a point at geo co-ordinates 28° 28' 46.600" N, 94° 37' 3.900" E, thence towards South-Easterly direction till it meet the origin of unknown seasonal branch nallah of Sikong River at geo Co-ordinates 28° 28' 32.041" N, 94° 37' 56.089" E.
East	Thence, the boundary moves in along the downstream of the branch Nallah upto a point at geo Co-ordinates 28° 28' 15.974" N, 94° 38' 21.361" E, thence towards south at a bearing of 175° for a distance of 750 mtrs approx. upto a point at geo Co-ordinate 28° 27' 54.274" N, 94° 38' 22.182" E, where it meet Sikong River.
South	Thence, along the right bank of Sikong River upstream upto a point at geo Co-ordinates 28° 27' 56.887" N, 94° 36' 46.235" E, thence in the same direction where an unknown tributary of Sikong River joints Sikong River at a point geo Co-ordinates 28° 27' 57.996" N, 94° 35' 57.563" E.
West	Thence, towards north-west along the unknown tributary upto it origin at geo Co-ordinates 28° 28' 18.034" N, 94° 35' 27.625" E, thence a bearing of 269° for a distance of 200 mtrs Approx. till it meet the origin of any other tributary of Sikong River at a point geo Co-ordinates 28° 28' 18.034" N, 94° 35' 19.932" E, thence at a bearing of 333° for a distance of 300 mtrs approx. till it meet at the starting point at geo Co-ordinates 28° 28' 26.962" N, 94° 35' 15.536" E.
Area : 577.52 Hectares Ref: SOI's Toposheet No.831/09 and 831/13.	

(Atul Tayeng)

Deputy Commissioner  
Siang District, Boleng.  
Dated Boleng the 27<sup>th</sup> April 2022

Memo No. DC-SNG-28014/1/2022/791  
Copy to:-

1. PA to DC Siang for information please.
2. The Division Forest Officer, Along Forest Division, West Siang District, Aalo for information and necessary action please.
3. Rang Forest Officer Siang District Boleng for information and necessary action please.
4. The Chief Conservator (cons) & Nodal Officer (FCA) Itanagar for information please.
5. EAC Kaying for information and with direction to wide circulation to the general public.
6. Notice Board.
7. Office copy.



Signed by ATUL TAYENG

Date: 15-05-2022 14:56:45

(Atul Tayeng)  
Deputy Commissioner



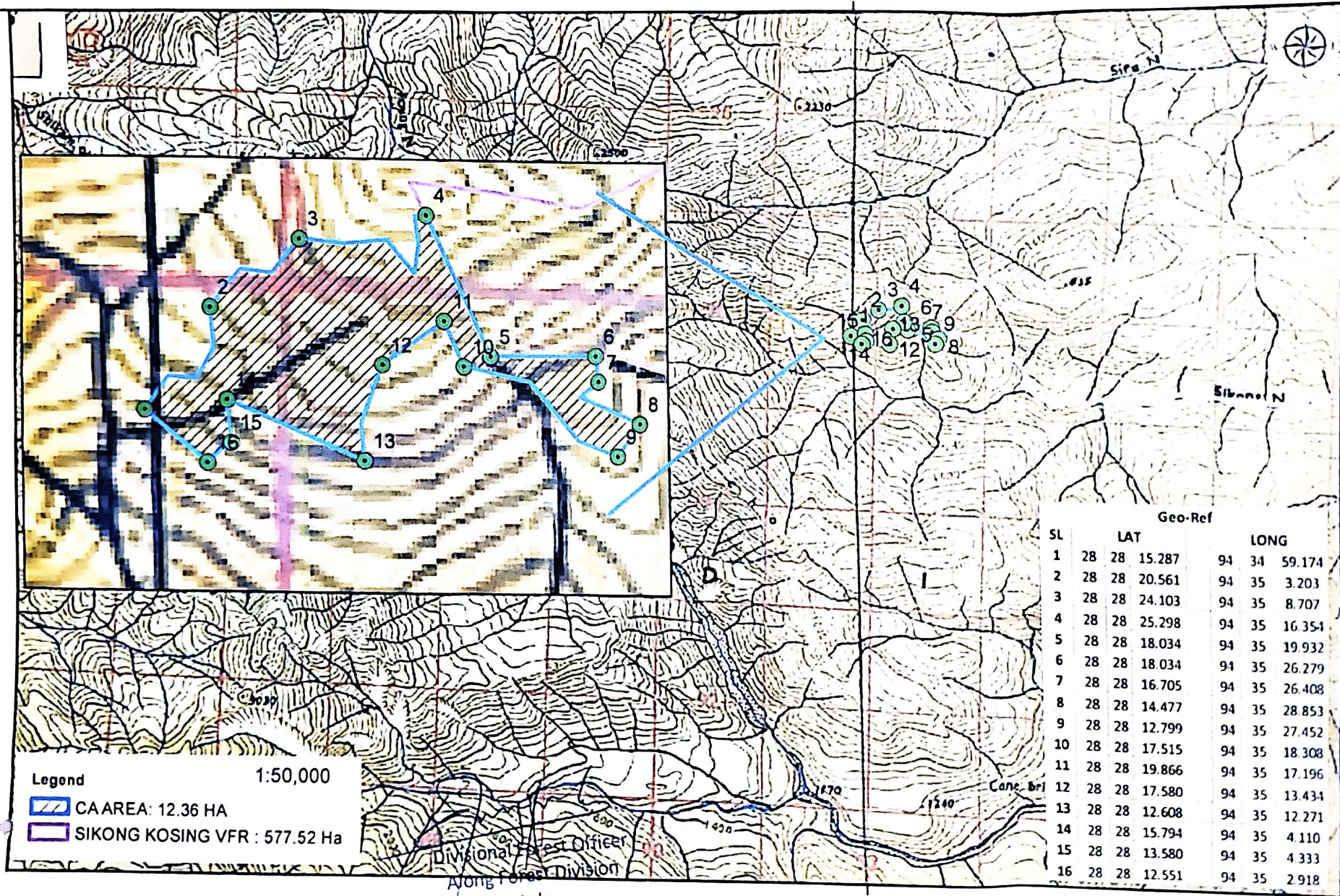
Annexure-IV

# MAP SHOWING CA AREA (12.36 Ha) UNDER SIKONG-KOSING VFR, ALONG FOREST DIVISION

28°30'0"N

82L/11

94°35'0"E



Legend  
 CA AREA: 12.36 Ha  
 SIKONG KOSING VFR : 577.52 Ha

1:50,000

Divisional Forest Officer  
 Along Forest Division

Aalo

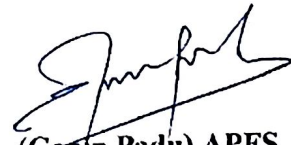
94°35'0"E

Geo-Ref						
SL	LAT				LONG	
1	28	28	15.287	94	34	59.174
2	28	28	20.561	94	35	3.203
3	28	28	24.103	94	35	8.707
4	28	28	25.298	94	35	16.354
5	28	28	18.034	94	35	19.932
6	28	28	18.034	94	35	26.279
7	28	28	16.705	94	35	26.408
8	28	28	14.477	94	35	28.853
9	28	28	12.799	94	35	27.452
10	28	28	17.515	94	35	18.308
11	28	28	19.866	94	35	17.196
12	28	28	17.580	94	35	13.434
13	28	28	12.608	94	35	12.271
14	28	28	15.794	94	35	4.110
15	28	28	13.580	94	35	4.333
16	28	28	12.551	94	35	2.918



**Suitability certificate**

Certified that 12.36 ha of degraded land is identified for raising Compensatory Afforestation at Sikong-Kosing VFR under Along Forest Division against diversion of forestland for construction Flood Protection work near General ground at Upstream side of Decorai Irrigation Project at Seijosa. The area is suitable for raising Compensatory Afforestation plantation from management point of view and is free from all sort of encumbrances and encroachment.



(Gopin Padu) APFS  
Divisional Forest officer  
Along Forest division  
::Aalo::

Divisional Forest Officer  
Along Forest Division  
Aalo

# ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER ALONG FOREST DIVISION

Name of project : Construction of Flood Protection work near General Ground at Seijosa in Pakke kessang District.  
 User Agency : WRD, Govt. of Arunachal Pradesh  
 Location of CA : Sikong Kosing VFR  
 Area of CA : 12.36 Ha  
 Wages rate (DL) : 400/-

		Unit	Qnt	Rate	Amount	
<b>A</b>	<b>Creation of Nursery</b>					
	Cost of seedlings @ 1100 Nos. / ha.	ha	13596	18	244728	
<b>1</b>	<b>1ST YEAR OPERATION</b>					
	Survey & demarcation and prepration of map @ 4 mandays/ ha.	ha	12.36	1600	19776	
	<b>Sub Total</b>					
<b>2</b>	<b>2ND YEAR OPERATION</b>					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	1900	262.51	498769	
	(ii) Maint. Barbed wire fencing @ 5% of erection cost in each year from 3rd year to 6th year Add.					
	Add 10% escalation value by multiplying factor:					
	1.20 for 3rd year					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
	<b>Sub-Total</b>					
<b>3</b>	<b>Raising of seedlings for casualty replacement</b>	<b>No.</b>	<b>3399</b>	<b>18.0</b>	<b>61182</b>	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
<b>4</b>	<b>RAISING OF PLANTATION</b>					
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 mandays/ha.	ha	12.36	63800	788568	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandys/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha					
	(iv) Prepration of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha					
	(v) Carring of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I0/ha					
	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha					

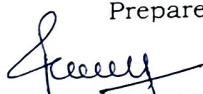
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha					
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	<b>3RD YEAR OPERATION</b>	ha	12.36	21600	266976	
	(i) Tending - 3 weeding @ 12 mandays/ha					
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path @ 1 manday/ha					
	(iv) Maint. Of fireline @ 1 manday/ha					
	Add 20% escalation value on total of item 5(i) to 5(iv)					
6	<b>4TH YEAR OPERATION</b>	ha	12.36	17160	212098	
	(i) Tending -2 weedings @ 12 mandays/weeding/ha					
	(ii) Casualty replacement 10% @ 7 mandays/ha					
	(iii) Maint. Of inspection path @ 1 manday/ha					
	(iv) Maint. of fireline @ 1 manday/weeding/ha					
	Add 30% escalation value on item 6(i) to 6(iv)					
7	<b>5TH YEAR OPERATION</b>	ha	12.36	7840	96902	
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha					
	(ii) Maint. of inspection path @ 1 manday/ha					
	(iii) Maint. Of fire line @ 1 manday/ha					
	(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)					
	Add 40% escalation value on item 7(i) to 7(iv)					
8	<b>6TH YEAR OPERATION</b>	ha	12.36	8400	103824	
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha					
	(ii) Maint. of inspection path @ 1 mnday/ ha.					
	(iii) Maint. of fireline @ 1 manday/ha.					
	Add 50% escalation value on item 8(i) to 8(iii)					
9	<b>7TH YEAR OPERATION</b>	ha	12.36	3200	39552	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 60% escalation value on total item 9(i)					
10	<b>8TH YEAR OPERATION</b>	ha	12.36	3400	42024	



	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					
	<b>Sub-Total</b>					
<b>11</b>	<b>9TH YEAR OPERATION</b>	<b>ha</b>	12.36	3600	44496	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
<b>12</b>	<b>10TH YEAR OPERATION</b>	<b>ha</b>	12.36	3800	46968	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 90% escalation value on total of item 12 (i)					
13	Monitoring, Supervision (POL, Maint. of vehicles, including TE etc.) @ 12% and Contingency @ 3% to meet up unseen expenditure i.e 15% on item No.1 to16 plus Nursery cost to meet the unforeseen expenditure Rs.2465863/-				369879	
14	Provision for soil and moisture conservation structures (where needed) @ Rs. 8280/- per ha.	ha	12.36	8280	102341	
				<b>Total</b>	<b>2938083</b>	
				or say Rs.2938100		

(Rupees twenty nine lakh thirty eight thousand one hundred ) only

Prepared by



(D.K. Poddar), Addl Chief Estimator  
O/O PCCF, Itanagar



Nodal Officer (FCA)

**Addl. PCCF (Cons) & NO (FCA)**  
**Government of Arunachal Pradesh**  
**Itanagar**

Annex-vii

Detail Estimate of Net Present Value (NPV) in respect of diversion of 6.18 ha. of forest land for construction of flood protection work near general ground at Seijosa in Pakke Kessang District of Arunachal Pradesh under Khellong Forest Division

Total area under proposal for diversion (Ha.)	Forest Type	Eco-class	Density of vegetation	Rate of NPV per ha. @	Value of NPV
6.18 ha.	Open Forest	Eco-Class-I (Open Forest)	0.10 i.e. Below 1%	Rs.11,16,900/-	Rs.69,02,442 x 10 times as the area falls under Wildlife Area
Total					Rs.6,90,24,420/-

NPV calculation as per revised rate is Rs.6,90,24,420/- (Six Crore Ninety Lakhs Twenty-four Thousand Four hundred twenty) only



(Debendra Dalai)

Addl. PCCF (Cons) & Nodal Officer (FCA)

**Addl. PCCF (Cons) & NO (FCA)**  
Government of Arunachal Pradesh  
Itanagar