To,
Nodal Officer (FCA) – Forest Department,
Sanjenthong, Imphal,
Manipur.

Subject :Hard Copy Submission (Five Set) of Forest Proposal for Diversion of 22.045 ha of forest land for widening/ improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

As per the above subject we are hereby submitting the hard copy of Forest Proposal for diversion of 22.045 ha of forest land for widening/ improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

We are hereby submitting total 05 sets for your approval and necessary actions.

(Daljit Singh) AE (CIV)

84 RCC / 25 BRTF (GREF)

C/O 99 APO Imphal, Manipur

AEE/AE (Cit)

for Commander



E-MAIL

Headquarters 25 Border Roads Task Force Pin – 930 025 C/o 99 APO

2108/AWPI/8-1E2

HQ CE (P) Sewak Pin- 931714 C/o 99 APO

ANNUAL WORKS PLAN 2022-23: MISSION 15000 CR @ BRO

- 1. Reference HQ CE (P) Sewak letter No.24000/RE-BE/2022-23/30/E2 Plg dated 18 Jun 2022.
- 2. Shri Daljit Singh, AE (Civ), (Mob No.6280934668) of 84 RCC deployed with this Task Force is hereby nominated as Nodal Officer for each case of FC/LA.
- Submitted for information please.

(Vivek Kumar)

AEE (Civ)

For Commander

SSUU25 CO

AEE/AE (Civi

for Commande

AEE/AE (CM)

for Commande



GOVERNMENT OF INDIA MINISTRY OF DEFENCE BORDER ROADS ORGANISATION PROJECT SEWAK (GREF)

Tel/Fax No. 03870 - 265467

SERVICE CERTIFICATE

- 1. Certified that GO-004694H AE (CIV) DALJIT SINGH is serving with Min of Defence "GENERAL RESERVE ENGINEER FORCE" since 29 Nov 1991, which is an integral part of Armed Forces under Ministry of Defence as per Govt of India, Cabinet Secretariat Notification No 79 dated 09 Jan 2015 and presently posted in 84 RCC (GREF), C/o 25 BRTF (GREF).
- 2. The above officer is hereby authorized to signature all forest clearance documents pertain to the following roads:-
 - (a) Chakpikarong-Sajik-Tampak-Aigong-Khonglal Road.
 - (b) Chakpikarong-Mombl-Joupi Road.
 - (c) Khemdo-Phaisanjang Road.

Do. 103/GEN/ 19 /E1

lion, C/O 99 APO

台: 23 Jun 2022

AEEAE (Civ)/Capt/AAO Second-in-Command

For Officer Commanding

ST BILLIAM STATE

TEE/AE 1010)

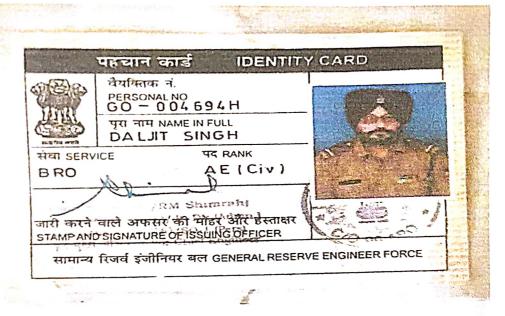
for Commanda

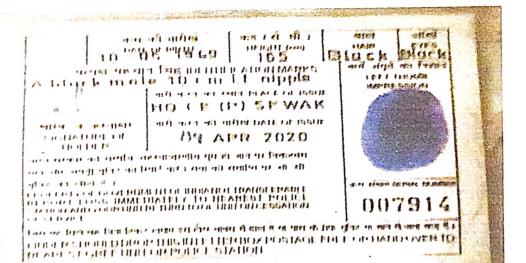
Sganned with CamScanner

AEE/AE (Civ)

In Commander











ARE/AE (Giv)

ABEJAE (CIV)

fer Commande

Justification for locating the Project in Forest Land

Project Name: Forest Proposal for diversion of 22.045 ha of forest land for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

The Ministry of Defence, government of India has decided to take up the widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal to NHSL Specifications in the state of Manipur for augmentaion of capacity for safe and efficient movement of traffic by upgrading to Two Lane with paved shoulder configuration based on the traffic demand.

The total length of the project stretch selected for up-gradation is 19.5 KM in this package from which road is passing through forest area in Chandel forest division. The proposed widening requires diversion 22.045 Ha. in Chandel forest division. Therefore the widening of this stretch requires forest clearance from Ministry of Environment, Forest and Climate change (Gol).

The diversion of forest area has been limited to the minimum that satisfies the National Highway standards. As the project road is passing through the middle of forest area, bypassing the forest area is not possible. Alternative has been examined and found that no better option is available. The widening has been limited to non-forest areas where the road is passing/ abutting the forest land only on one side of the existing road, to reduce the requirement of forest area diversion.

Date :.....

Place: Imphal, Manipur

BATFIGRENDAVA BY PIN COUL 930 (125 CC) (Daljit Singh)

AE (CIV)

84 RCC / 25 BRTF (GREF)

C/O 99APO

Imphal, Manipur

AEE/AE (CIV)

for Commanda

Justification Regarding FRA certificates work is under process

Project Name: Forest Proposal for diversion of 22.045 ha of forest land for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

The Ministry of Defence, government of India has decided to take up the widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal to NHSL Specifications in the state of Manipur for augmentaion of capacity for safe and efficient movement of traffic by upgrading to Two Lane with paved shoulder configuration based on the traffic demand.

The total length of the project stretch selected for up-gradation is 19.5 KM in this package from which road is passing through forest area in Chandel forest division. The proposed widening requires diversion 22.045 Ha. in Chandel forest division. Therefore the widening of this stretch requires forest clearance from Ministry of Environment, Forest and Climate change (Gol).

The diversion of forest area has been limited to the minimum that satisfies the National Highway standards. As the project road is passing through the middle of forest area, bypassing the forest area is not possible. Alternative has been examined and found that no better option is available. The widening has been limited to non-forest areas where the road is passing/ abutting the forest land only on one side of the existing road, to reduce the requirement of forest area diversion.

We are working on the NOC from Collector/ FRA certificate.

Date :.....

Place: Imphal, Manipur

PAPOL SOUSE CONTROL BUILDING B

(Daljit Singh)

AE (CIV)

84 RCC / 25 BRTF (GREF)

C/O 99APO

Imphal, Manipur

AREJAE (CIV)

for Commande

<u>Undertaking to bear cost of compensatory afforestation / penal</u> <u>compensatory afforestation cost</u>

Project Name: Forest Proposal for diversion of 22.045 ha of forest land for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

This is to certify that the project authority agrees to deposit the sum against the compensatory afforestation / penal compensatory afforestation of forest land (22,045 Ha) required for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal section in the state of Manipur under Chandel Forest Division.

Date :

Place: Imphal, Manipur

PIN COUT 93 0025 CE

(Daljit Singh)

AE (CIV)

84 RCC / 25 BRTF (GREF)

C/O 99APO

Imphal, Manipur

AEE/AE (Civ)

for Commando

Undertaking to bear cost of NPV / additional NPV

Project Name: Forest Proposal for diversion of 22.045 ha of forest land for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

This is to certify that as per the guidelines for diversion of forest land for Non-forest purpose by the Ministry of Environment, Forest and climate change, GoI Circular No. - 5-1/98-FC(PT-II) Dated 18/02/2003, the project authority agrees to deposit the sum against the Net Present Value / additional Net Present Value, of forest land (22.045 Ha) required for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal section in the state of Manipur under Chandel Forest Division

Date :

Place: Imphal, Manipur

PIN COULT DE DOUGLE DE LE COURT DE LE COUR

(Daljit Singh)

AE (CIV)

84 RCC / 25 BRTF (GREF)

C/O 99APO

Imphal, Manipur

AEE/AE (CIT)

for Commando

Report Part 1

Undertaking to bear cost of extraction of trees

Project Name: Forest Proposal for diversion of 22.045 ha of forest land for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

This is to certify that as per the guidelines for diversion of forest land for Non-forest purpose by the Ministry of Environment, Forest and climate change, the project authority will bear the cost of the trees to be extracted and other allied works under the project affected due to project implementation

Date :

Place: Imphal, Manipur

S BALLIOUR SOUS CO.

(Daljit Singh)

AE (CIV)

84 RCC / 25 BRTF (GREF)

C/O 99APO

Imphal, Manipur

AEE/AE (CH)

for Commande

FORM - A

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for Diversion of fresh forest area

PART - I

(To be filled up by User Agency)

A. General Details

- A-1. Project Details
 - (i). Proposal No.: FP/MN/ROAD/153434/2022
 - (ii). Name of Project for which Forest Land is required: Forest Proposal for widening / improvement of existing road chakpikarong sajik Aiqejang (0 to 19.5 KM) to NHSL specification under project sewak in the state of Manipur
 - (iii). Short narrative of the proposal and Project/scheme for which the forest land is required: Forest Proposal for widening / improvement of existing road chakpikarong sajik Aiqejang (0 to 19.5 KM) to NHSL specification under project sewak in the state of Manipur
 - (iv). State: Manipur
 - (v). Category of the Proposal: Road
 - (vi). Shape of forest land proposed to be diverted: Linear
 - (vii). Estimated cost of the Project(Rupees in lacs): 15400
 - (viii). Area of forest land proposed for diversion(in ha.): 22.045
 - (ix). Non-forest land required for this project(in ha.): 12.2285
 - (x). Total period for which the forest land is proposed to be diverted(in years): NIL
- A-2. Details of User Agency
 - (i). Name: 84 RCC (GREF)
 - (ii). Address1: 84 RCC (GREF)
 - (iii). Address2: NIL

(iv). State: Manipur

AEE/AE (CIV

Sau Cana

(v). District: Ukhrul

(vi). Pin: 795142

(vii). Landmark: Near NH 202

(viii). Email address: oc-84rcc@bro.gov.in

(ix). Landline Telephone No.: 0-

(x). Fax No.: 0-

(xi). Mobile No.: 9862507095

(xii). Website (if any): NIL

(xiii). Legal status of User Agency: Central Government

A-3. Details of Person Making Application

(i). First Name: Abhishek

(ii). Middle Name: NIL

(iii). Last Name: Goel

(iv). Gender: Male

(v). Designation: Officer Commanding

(vi). Address 1: 84 RCC GREF93829

(vii). Address 2: NIL

(viii). State: Manipur

(ix). District: Ukhrul

(x). Tehsil: Ukhrul Central Sub-Division

(xi). Pin: 795142

(xii). Landmark: NIL

(xiii). Email Address: oc-84rcc@bro.gov.in

HEE/AE (CIW



(xiv). Landline Telephone No.: 0-

(xv). Fax No.: NIL

(xvi). Mobile No.: 9382936989

(xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency:

B. Details of land required for the Project

B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

		L	ist of p	proposal submitt	ed in Past		
S.no	Proposal Status.	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In- Principle Approval	Date of Final Approval
NIL				7			

B-2. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved

	Details of Divis	ions involved	
S.no	Division Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Chandel forest division	22.045	12.2285
7.	Total	22.045	12.2285

B-2.2 Details of Districts involved

	District wi	se breakup	
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)
1	Chandel	22,045	12,2285
1.	Total	22.045	12,2285

B-2.3 Village wise breakup

	Villages wi	se breakup	
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)
1	Longja	1.24	6.1886
2	Rungchang	2,125	0.4854
3	Ravalon	2.57	0.4265

h/Admin/Useragencyreport.aspx?pid=FP/MN/ROAD/153434/2022

AEE/AE (GH)

for Commande

3/6

Report Part 1

		,	
4	Salluk	4.24	1.23
5	Sarang	1.65	0.32
6	Hrighkhu A	1.75	0.26
7	Hrighkhu B	2.02	0.42
8	Kana Khudam	1.45	0.3
9	Gelngai	1.86	0.321
10	Bongpijang	3.14	2.277
	Total	22.045	12.2285

B-2.4 Component wise breakup

	Component w	ise breakup	
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Road	22.0449	12.22848
	Total	22.0449	12.22848

C. Maps of forest land proposed to be diverted

Division 1.: Chandel forest division

(i). Area of forest land proposed to be diverted(in ha.): 22.045

(ii). Nature of the Project: Linear

(b). No. of Segments: One

	Segme	nt wise details
Segments	Segment Area(in ha.)	Kml File of Segments (To view KML file on google the same may be downloaded and then open if in google earth install in your computer).
1.	22.045	View File

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted:

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station:

<u>D. Justification for locating the Project in forest land and details of alternatives examined:</u>

(i). Copy of note containing justification for locating the Project in forest land:

AEE/AE (City)

for Commands

(ii). Whether a copy of map indicating location of alternative examine is required to be provided: No

(a). Reason for not providing such map: Road project

E. Employment likely to be generated

- (i). Whether the Project is likely to generate employment ?: Yes
- (ii). Permanent/Regular Employment(Number of persons): 20
- (iii). Temporary Employment(Number of person-days): 20
- F. Displacement of People due to the Project, if any
 - (i). Whether Project involves displacement?: No
- G. Details of Cost-Benefit analysis for the Project
 - (i). Whether the Project requires Cost-Benefit analysis?: Yes
 - (a). Copy of Cost-Benefit analysis:

H. Status of Environmental Clearance

- (i). Whether the Project requires Clearance under the Environment (Protection) Act 1986?: No
- I. Status of Wildelife Clearance
 - (i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone?: No
- J. Applicability of special provisions governing Scheduled Areas
 - (i). Whether the Project or a part thereof is located in a Scheduled Area? : No
- Status of settlement of rights under the Forest Rights Act, 2006 on the forest land
 - (i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : No
- L. Details of land identified for Compensatory Afforestation

(i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable

for Commando



- (ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted?: Not Applicable
- (iii) . Reason for not providing Non-Forest Land: Not Applicable

Additional information Details

•	Documents	
S.No	Documents	Remarks
	· NIL	

Print page

AT BULL OF THE PARTY OF THE PAR

AEE/AE (GIV)

for Commander

Avenue Plantation Scheme

A. Avenue Plantation

There are many trees along the road stretch of proposed Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur will be impacted, for which road side trees have been planned to be planted as a part of avenue plantation.

Project Stretch / Section	Terrain	Section/Segments	Length
Chakpikarong – Sajik – Aigejang – Khongtal	Hilly	0 KM to 19.5 KM	19.5

The road side plantation along this road stretch/ section the state highway/NH are important from its ecological role, economic value and suitability for road sides. The focus is on planting native trees/ shrubs species with ecological importance contributing towards higher GHG sequestration, soil-water conservation, nitrogen fixation etc. Trees species with economic benefits such as flower, fruit and timber value are also given due consideration.

The selection of species is mainly based on

- 1. IRC: SP 21 -2009 guidelines on landscaping and tree plantation and
- 2. The plant species matrix of the guidelines for National Green highway Mission are given due consideration while proposing the species

B. Specification for Plantation

The success of any plantation activity depend on the quality of planting material used .The species indigenous to the region are proposed to be used for plantation for which the forest Department, Manipur and many private nurseries has established in all ranges of the state . Planting material of 2 to 3 years old seedlings will be best suitable for plantation purpose. the nursery selected need to be sustain itself throughout the project period wherein fresh seedling will be created every year for other plantation activities for ensuring contiguity of plantation . Plantation activity would extend for a period of 5(five) years with the first year for plantation. 60 cm pits and the succeeding 4 (four) years for maintenance of the plantation created.



aee/ae (Giv)

for Commander

The technical specification for planting along the state Highways / Highways are:-

	the tag of the embankment
Distance from embankment	1.0 m away from the toe of the embankment
Spacing between plant to plant	(20fit) 6 m depending on local condition
Size of the pits	60*60*60 cm pits
	423
No. of plants per km per row	1.5 to 2 m
Height of the sapling at time of planting	90 % at any time
Survival percentage of plantation	90 % at any time

For ensuring proper protection to the seedlings, fencing or tree guards (Bamboo) is proposed till the end of maintenance period or till the establishment of the seedlings whichever is earlier. The erection of sing boards showing the species name in local language as well as scientific name is proposed for awareness and education to the public. Depending on the site of plantation it is proposed to create sunken beds of raised beds as the case of may be to ensure maximum survival of the seedlings planted.

The plantation shall be mainly 1 row in the hilly areas on downhill side and with slopes less than 15 degree, with small or medium size seedlings. On the uphill side, broadcasting of seeds of local Broom grass (ThysanolaenaS maxima) along with plantation, by vegetative propagation method if found feasible. In very vulnerable points where landslide rate is very high, soil conservation with plantation may be taken up.

In plain terrain both side of the road shall be planted. In hilly terrain will be 1 row of plantation on downhill side.

 The clear zone along the road is of varied nature depending upon the different embankment heights. Some areas have steep gradients that need intensive slope stabilization treatment in order to increase the stability plant and shrubs cover can also be used.

BATFISHES DOANGE

AREJAE (CM)

for Commandia

C. Categories of Plantation

In Manipur state where availability of land along the road is a constraint or one row on each side of the road stretch/ section may be planted in the plain terrain and in hilly terrain one row on downhill side. The tree species selected invariably have the significance and preferably evergreen in nature, which would ensure no substance leaf fall in winters preventing problem of blockage of road sides drains.

List of tree species which may be planted are mentioned below –

Alstoniaschlars - Strong branches, good shade giving, for hot and evergreen and attractive. Medium to large size.

Cassia fistula - moderately fast growing, attractive yellow flowers, good for cold areas. Medium to large in size.

Cassia Siamea - avenue plant, good coppice and produce root-succeeding. Medium size.

Gmelinaarborea - fast growing tee, good coppices, produces good timber wood.

Mangiferaindica - Mango for shade and fruit, warmer areas, Medium size.

Meliaazedarach - evergreen tree for shade and medicine. Small to medium size.

Pongamiapinnata - suitable for dry area is fast growing and strong medium size.

Samaneasaman - rain tree, fast growing, warmer areas, medium to large size.

Spathodeacamoanulata - suitable for warmer area for flowers. Medium to large size.

Syzygiumcumuni - Source of wild edible fruits for travellers, birds can ve watched by travellers. Medium size

Tamarindusindica - NTFP source, strong, long lasting. Large size.



AEE/AE (City)
for Commando

D. Budget Proposed

The details of cost estimate for activities are as below:

Chakpikarong – Sajik – Aigejang – Khongtal 0 KM to 19.5 KM)

Sr	Proposed Activity	Units	Indicative quantity	Estimated cost required (Lakhs)
	Chakpikarong – Sajik – Aigeja	ang – Khon	gtal (19.5 km)	
1	Cost of seedlings	No's		
2	Advance work	KMs	- As per	As per
3	Creation	KMs	appendix	appendix
4	C 1 1-1:	KMs	1	
5		No's		
-	Tellening ov transg	Total		
-	Publicity, General awareness	, etc. 10%		
+	Grand total			Rs 36,55,654/-

E. Duration of Project

The duration of the project shall be for 3 (three) yearsi.e. 2020-2025

F. Mode of implementation

As per National Green Highway Mission Guidelines the project should be implemented by outsourcing to professional plantation agencies (Private, companies, proprietorship, firms and startups etc.)/local SHGs/JFMCs/Cooperation /NGOs and other such organization as per the approved plantation SOR and NGHM. Organization should be empaneled/registered with NGHM if they are liable in this project

G. Conclusion

The avenue plantation along the project road stretch would ensure creation of green corridor which would not only benefit the human community by providing direct and indirect benefits, but also support a wide variety of biodiversity of the nation which have been branded as rare, endangered and threatened. The initiative avenue planting will add value in the global efforts to mitigate and adapt to climate change phenomenon and would directly comprehend the national and state plans on climate change.

Station:

Date:

June 2022

(Daljit Singh)

ÀE (CIV)

84 RCC/25 BRTF (GREF)

C/ O 99 APO Imphal, Manipur

AEE/AE (Giv)

for Commander

Certificate for No Muck disposal Land taken in this project

Project Name: Forest Proposal for diversion of 22.045 ha of forest land for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal(0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur.

This is to certify that no muck disposal land is required for this project. All the muck that will be taken out during construction will be used during the construction of the project road.

Date :

Place: Imphal, Manipur

PIN CODE STORES

(Daljit Singh)

AE (CIV)

84 RCC / 25 BRTF (GREF)

C/O 99APO

Imphal, Manipur

AEE/AE (GIV)

for Commande

COST BENEFIT ANALYSIS- PACKAGES

NAME OF PROJECT: Forest Proposal for diversion of 22.045 ha of forest land for widening/improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur on EPC Mode byNHIDCL

NATURE OFPROPOSAL: Diversion of Forest Land under FCA, 1980 for road project.

PURPOSE- This Cost Benefit Analysis is being undertaken for proposed Diversion of Forest Land being taken for the Developmentof existing road to for widening/ improvement of existing road Chakpikarong – Sajik – Aigejang – Khongtal (0 KM to 19.5 KM) to NHSL Specifications in the state of Manipur on EPC Mode by NHIDCL. Estimated construction cost for Package -4 of project road is 572. 118 Cr.

Nill	Niii	Nill	Nill	Nill
			10,39228	10.39228
10% of NPV	10% of NPV		10% of NPV Amt(Rs)in lakhs	
Total NPV (a+b+c)	Total NPV (a+b+c)	Total NPV (a+b+c)	Total NPV (a+b+c)	Total NPV (a+b+c) 103.9228
c.Degraded forest	c.Degraded forest	c.Degraded forest	c.Degraded forest	c.Degraded forest
b.Scrub forest	b.Scrub forest	b.Scrub forest	b.Scrub forest	b.Scrub forest
a. Open forest 14.236		14.236		14.236
PresentValue(NPV)		Area	Area	Area
proposeddiversion area	-	-	-	-
I. Forest type of the	I. Forest type of the	I. Forest type of the	I. Forest type of the	I. Forest type of the
4. As per supreme court's order date 28.03.2	4. As per supreme court's order date 28.03.2008 in \	4. As per supreme court's order date 28.03.2008 in WP(c)No	4. As per supreme court's order date 28.03.2008 in WP(c)No.202/1995	4. As per supreme court's order date 28.03.2008 in WP(c)No.202/1995
Total 22.045				
iii. Degraded forest 3.556				
graded forest 3.556 22.045 2er supreme court's order date 28.03.2	graded forest 3.556 22.045 2er supreme court's order date 28.03.2008 in \	graded forest 3.556 22.045 2er supreme court's order date 28.03.2008 in WP(c)No	graded forest 3.556 22.045 2er supreme court's order date 28.03.2008 in WP(c)No.202/1995	22.045 22.045 Press court's order date 28.03.2008 in WP(c)No.202/1995
forest 3.56 22.045 reme court's order date 28.03.2 of the Eco-class I Area	reme court's order date 28.03.2008 in Vof the Eco-class I Area	3.556	reme court's order date 28.03.2008 in WP(c)No.202/1995 of the ersion area	khs)
3.556 22.045 Int's order date 28.03.2 Eco-class I Area	22.045 Int's order date 28.03.2008 in N Eco-class I Area	3.556 22.045 Irt's order date 28.03.2008 in WP(c)No Eco-class I Area Rat	3.556 22.045 Irt's order date 28.03.2008 in WP(c)No.202/1995 Eco-class I Area Rateperha.(Lakhs)	khs)
3.556 22.045 der date 28.03.2 Eco-class I Area	3.556 22.045 der date 28.03.2008 in \ Eco-class I Area	3.556 22.045 der date 28.03.2008 in WP(c)Note that the second sec	22.045 der date 28.03.2008 in WP(c)No.202/1995 Eco-class I Area Rateperha.(Lakhs) 14.236 7.3	khs)
\$ 28.03.2 \$ 1	s 28.03.2008 in \	\$ 28.03.2008 in WP(c)No	\$ 28.03.2008 in WP(c)No.202/1995 ss I Rateperha.(Lakhs) 7.3	khs)
	008 in \	008 in WP(c)No	008 in WP(c)No.202/1995 Rateperha.(Lakhs) 7.3	khs)

BOAPO

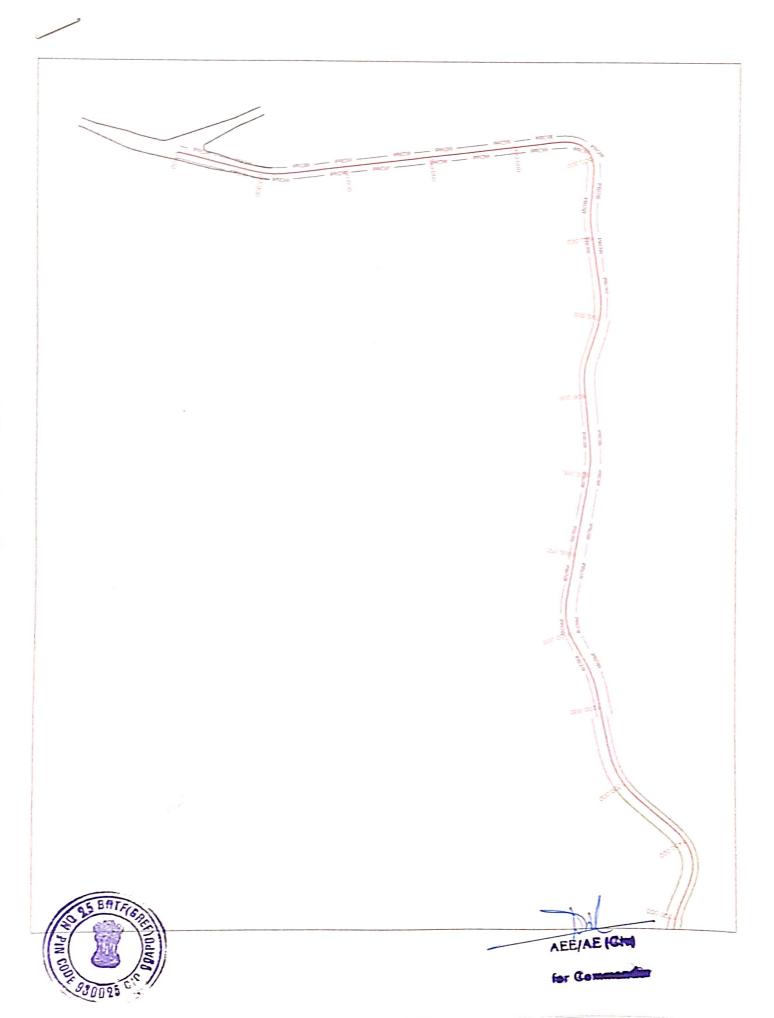
139	N PIN CO	
93000		BHIF
Jes.	OPPAPO	
/	- Santa	

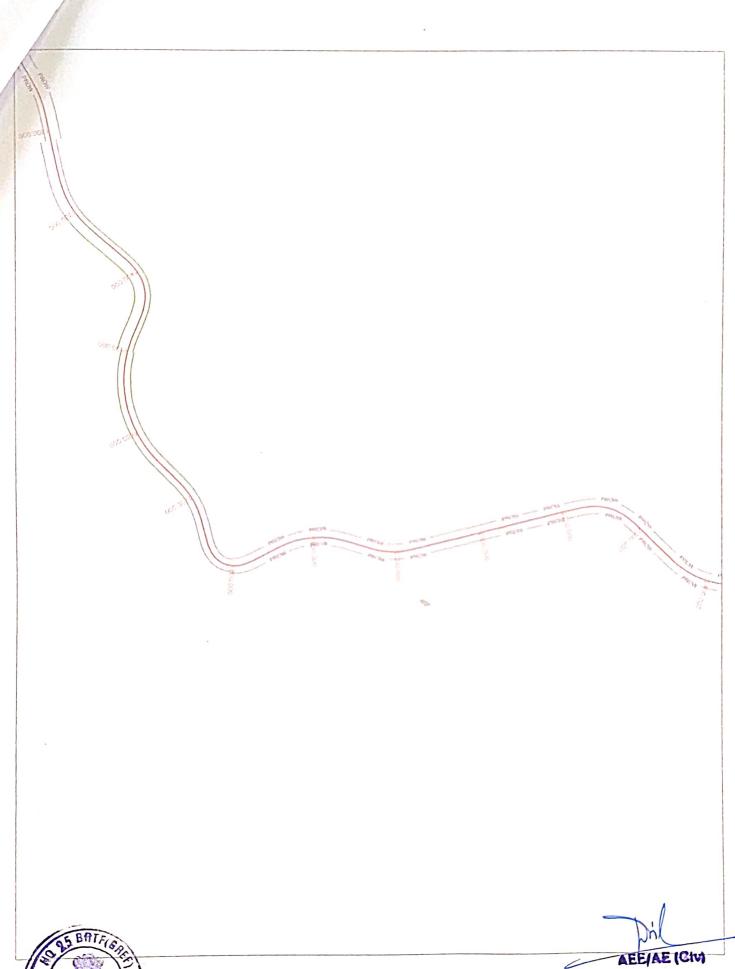
POAPO			2. Bene Ope toim	1. Increass project	TABL			Tota	00100	and s	8. Comp		7. Habita	6. Cost o		5. Possessii	+-	if these	railway	dispens	(Roads,	adminis	
			Benefit on vehicle maintenance cost due to Operations &maintenance cost due toimprovement of the project road	project	TABLE B: ESTIMATION OF BENEFITS OF FOREST DIVERSION			Total (Table A: Cost of Forest Diversion)	TARREST CONTRACTOR	and soil & moisture	Compensatory afforestation		Habitat Fragmentation Cost	Cost of suffering to Ousters		Possession value of forest land diverted	due to the project.	which would require forest land if these facilities were diverted	railways, etc.) on forest [and	S,		administrative infrastructure	
	Saving period =30 years	VOC per year for project road (19.5km) = 96 cr. VOC per year for Package 4 Section (approx. 20	Main objective of this pro Improvement of road. Wid of accidents. Economics b for a period of 30 years.	Compensatory afforestation as per Forest (Conserva The project road will improve connectivity of Manipi This will enhance the economic improvement in the GDP due to the project	In lice of total trees and fo	Total Cost (Forest Diversion +Construction Cost)	Estimated cost of construction for Package road section			10% of CA tem work cost f	Compensatory Afforestation cost of 44.09ha land for		As per thumb rule: 50% of NPV	The widening and strengthening of the project road Existing road, so there are no sufferings to ousters.		cost (NPV)				have been considered	Been considered in the bud	NIII Flectric Lines & Poles Water	NIII
		VOC per year for project road (19.5km) = 96 cr. VOC per year for Package 4 Section (approx. 20 km) = 18.56 cr.	rover ns of	Compensatory afforestation as per Forest (Conservation) Act. The project road will improve connectivity of Manipur state. This will enhance the economic improvement in the Project D GDP due to the project	IVERSION In liquid for the land for extranding he affected due to project, it is proposed to undertake	on +Construction Cost)	ction for Package road			RS.127.864 lakns @RS 223- wage late(Including NS.11.024 lakns 如 5011 年 Including NS.11.024 lakns 如 5011年 Including NS.11.024 lakns 和 5011年 In	on cost of 44.09ha land for 22		50% of NPV	The widening and strengthening of the project road is to be undertaken on the adjoining land of the Existing road, so there are no sufferings to ousters.		30% 01 NPPV	DON AFRIDAY			מיני (מיני) נווכ צממס כני וסי מיו	Been considered in the budget. Also, the budgets for affected Community Properties resettlement	Rijectric Lines & Poles Water ninelines, water tank etc. nublic facilities which are being affected have	
		8.56 cr.	nent under the project will minimize the chance saving in travel time and Vehicle operating cost	tion) Act. Ir state. Project Districts with additional growth in the	to project, it is proposed to u			305.7222	Amt(Rs.) in Lakhs	0 Years)	22.045 ha proposed forest land diversion is	51.9614	Amt(Rs.)in Lakhs	o be undertaken on the adjoi	31.17684	Lakhs	\m+(Dr) in				ected Community Properties	nublic facilities which are bei	
to Commander			imize the chances e operating cost	growth in the	Indertake	LdNIIS	Tokho	Lakhs	71.652		d diversion is			ining land of the							s resettlement	ing affected have	



П	Т	\neg		\neg	\neg	7		'n	\neg	\top	Ť		\neg		\neg										4.			'n	- 30
Ratio of Benefits to Cost of forest land diversion for project road section	Total (Table -B: Benefits of Forest Diversion)							Economic benefits due to																employment due to the project	Economic benefits due to direct and indirect		project	No. of population benefited dueto specific	
n for project road section				Maintenance cost	44.09	Area for CA (ha.)	area) @ present wage rate	51,665 Mandays as per pr					Technical People		Semi-skilled Labour		Skilled Labour	During Operation stage of the project			Technical People		Semi-skilled Labour		During Construction of the project	100nos. x 600 rs. x 300 days x 3yrs	Further specific individual	Entire population of proje	
	3	225		Daily wage	60	Man days per ha. in a yr.	area) @ present wage rate Rs.225.00 Manday = Rs. 56.6565 lakhs	51,665 Mandays as per prevailing wage rate for a maintenance period of 10 years of $(22.045*2 = 44.09 ha CA)$	For Package 4 road section			30yrs	2 nos. x2500rs. x 300 days x	30yrs	5 nos. x 350 rs. x 300 days x	30yrs	10 nos. x 600rs. x 300 days x	f the project		x 3 yrs	10 nos. x 2500 rs. x300 days	х 3 угѕ	50 nos. x 350 rs. x 300 days		e project	ys x 3yrs	Further specific individuals will be benefited, thoseto be engaged in construction works is estimated as below.	Entire population of project districts shall be benefited from	18.56cr x 30 yrs
	38.456	25.158.66		Total Mondays	10	Period (yrs)	65 lakhs	nance period of 10 years of (Total	Sub-total								Sub-total							295	engaged in construction wor	om the project as projected population is 14.50 Lakhs.	55680
1.05	Lakh	62.3264	Lakhs	Amt (Rs.)	25158.66	Total Mandays		'22.045*2 = 44.09 ha CA	291.4285714	1530	1147.5		450		157.5		540	Amt (Rs.) Lakhs	382.5		225		157.5	Lakhs	Amt (Rs.)	Lakhs	ks is estimated as below.	population is 14.50 Lakhs.	Lakhs



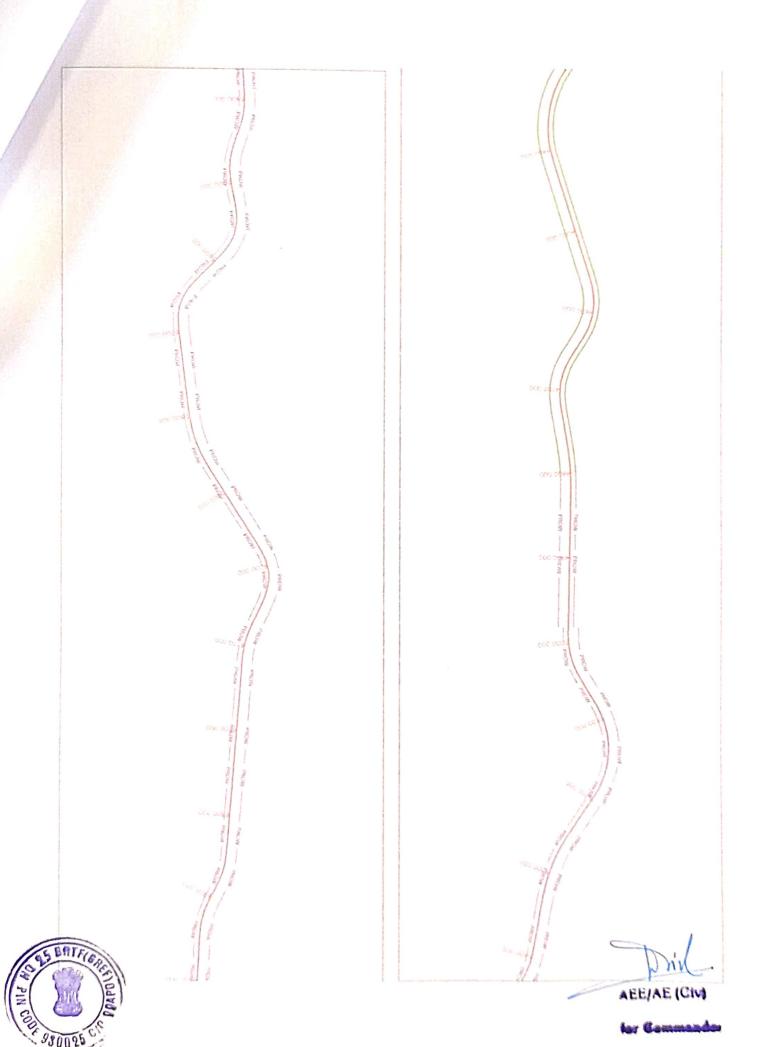




PIN COOK SSOON COOK

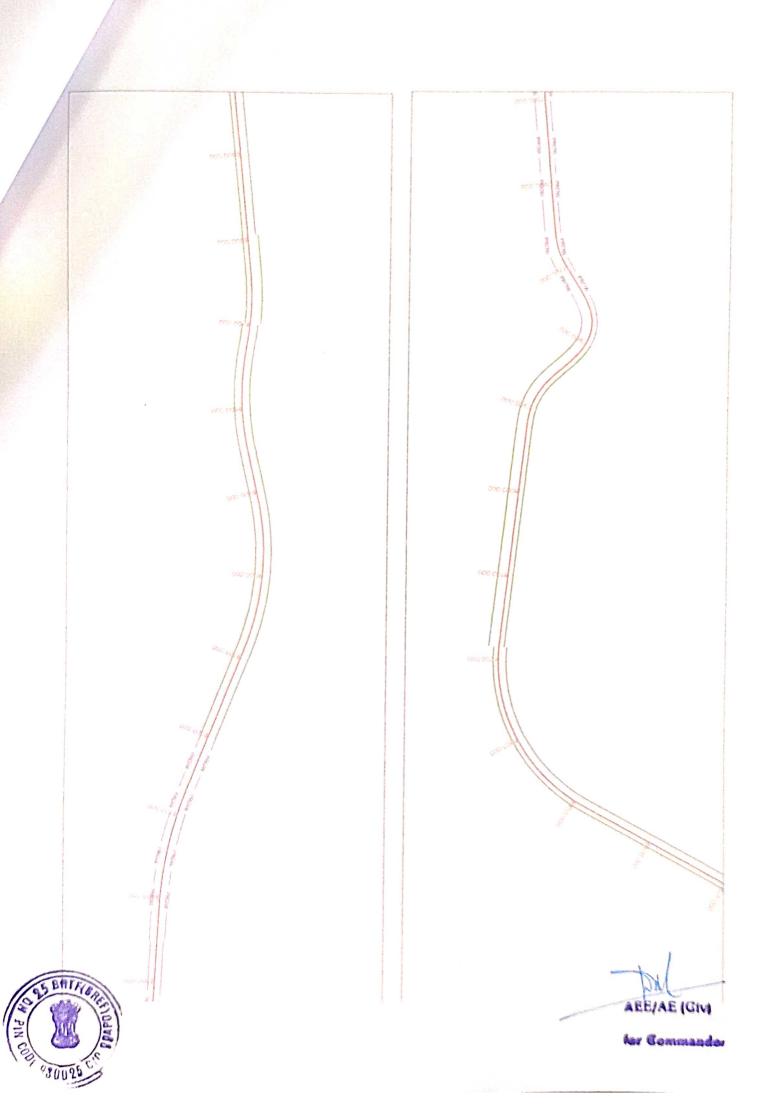
for Commenda

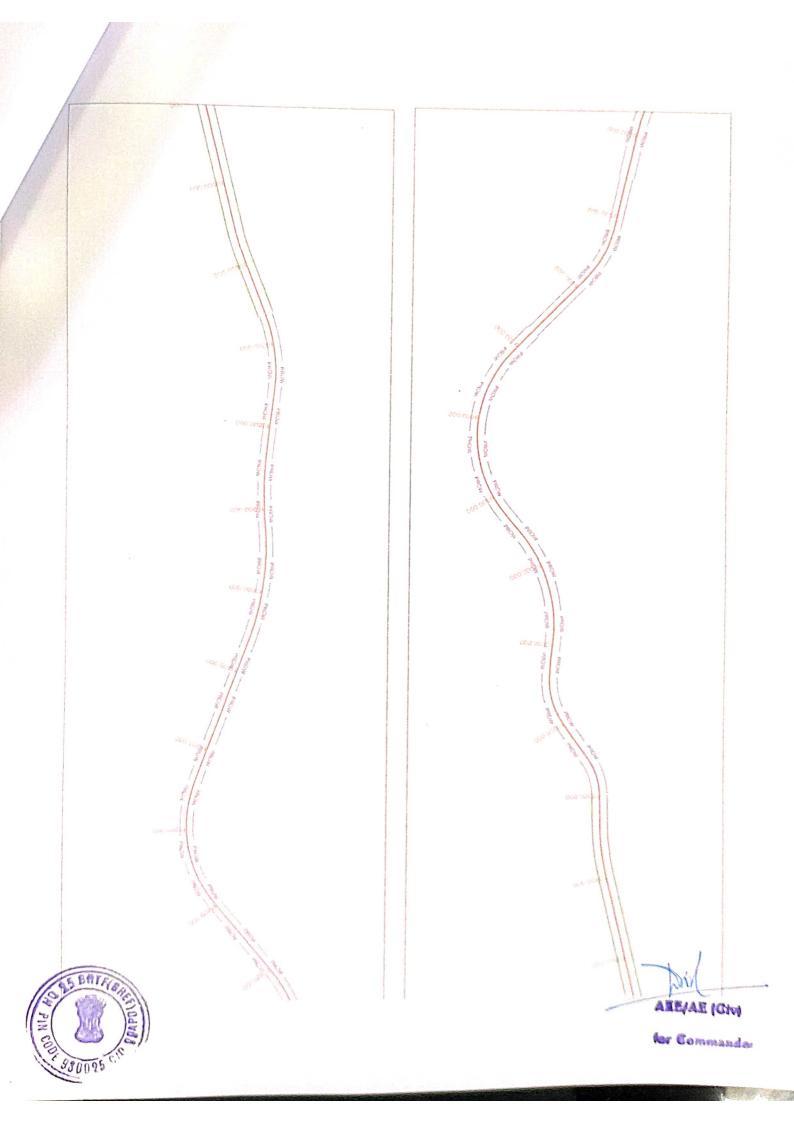






for Commo



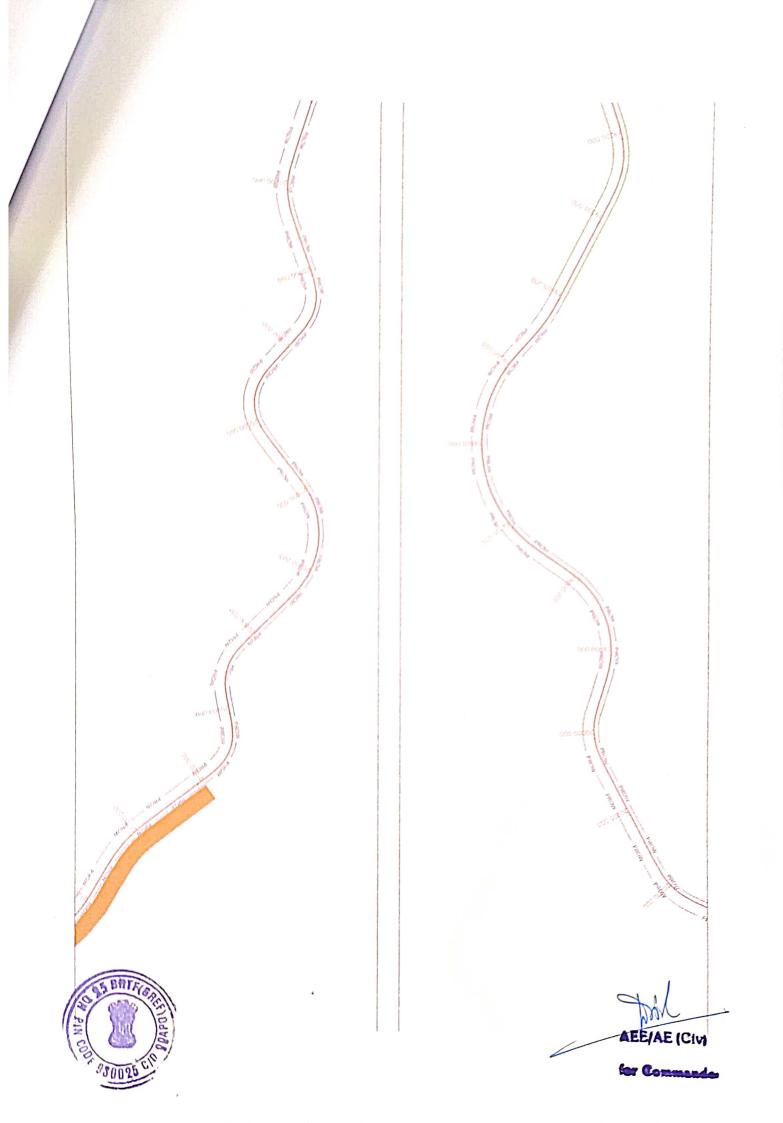




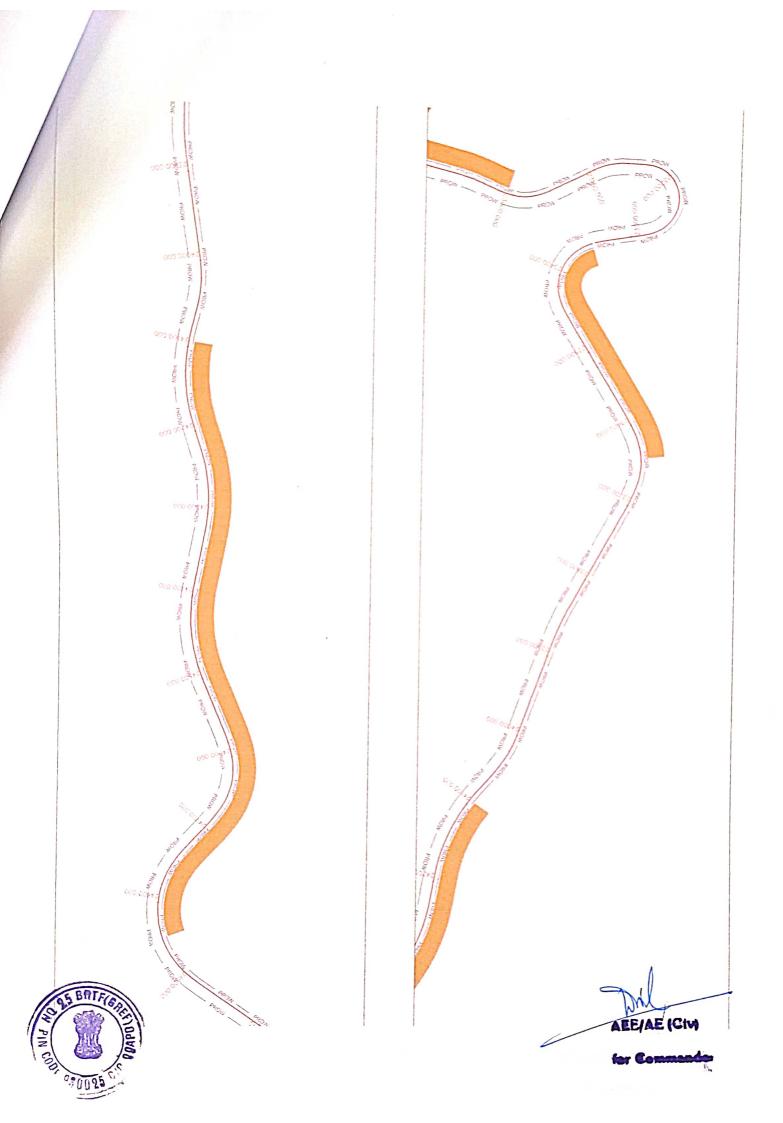








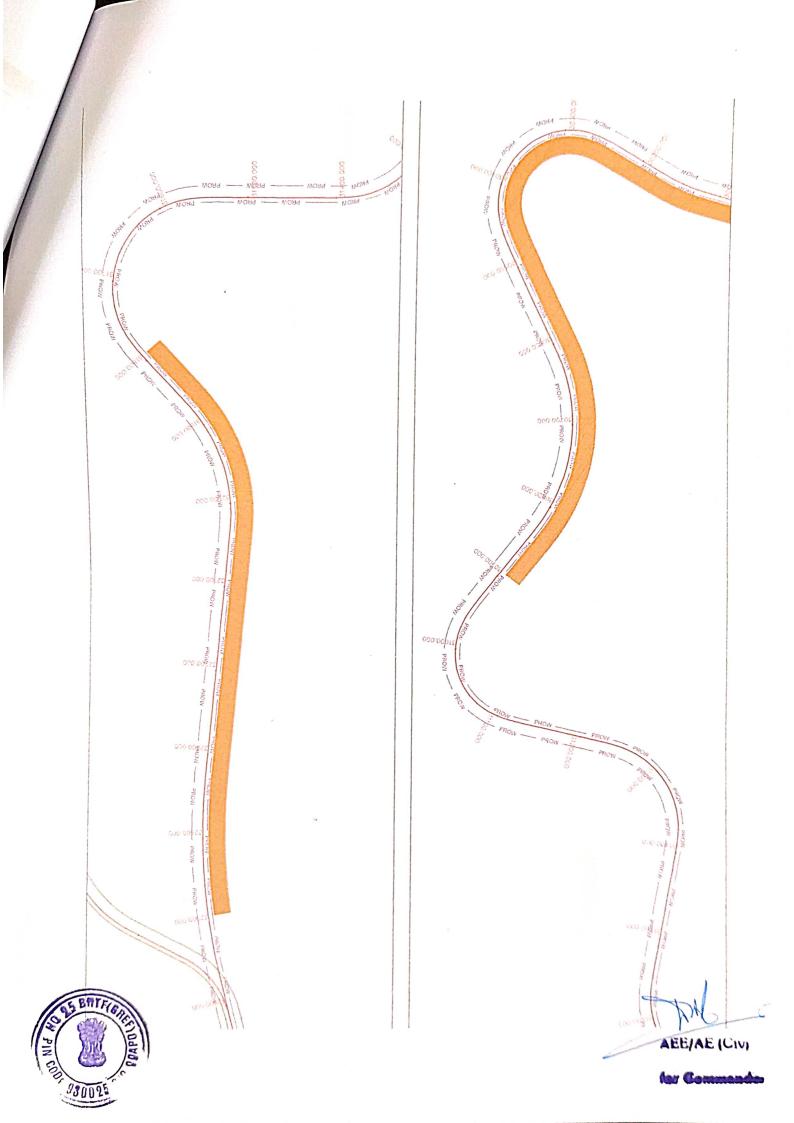


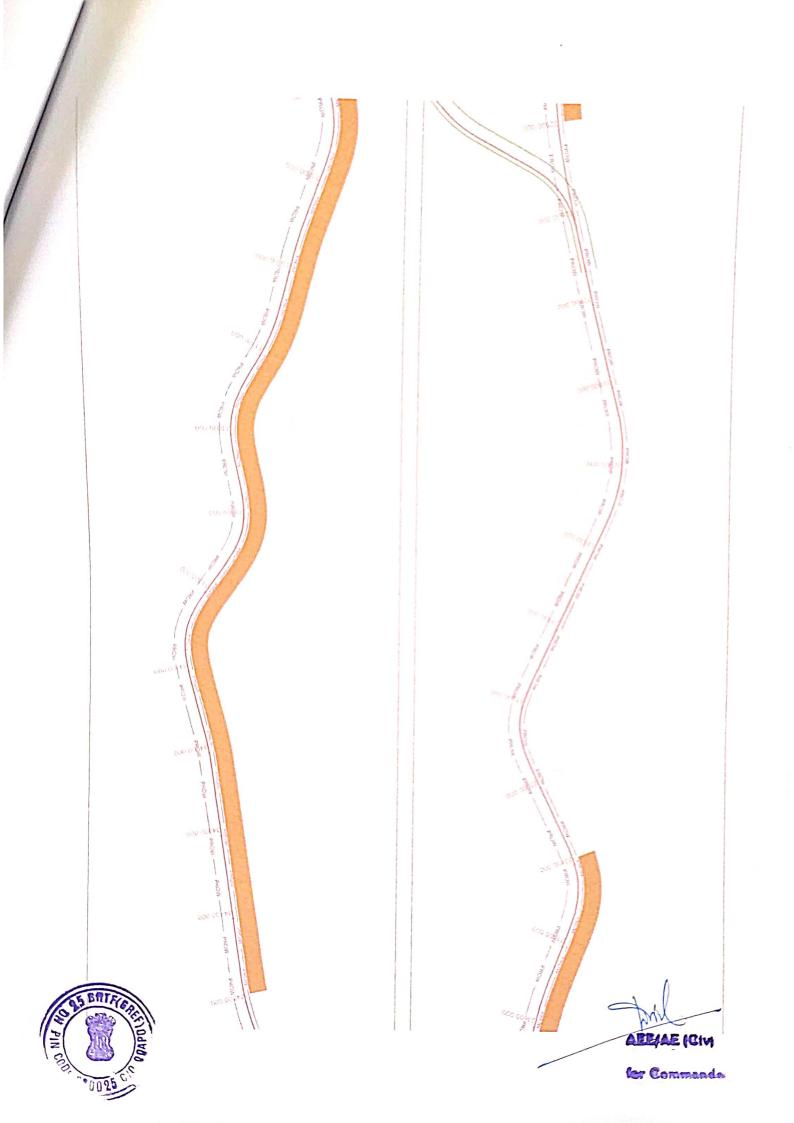


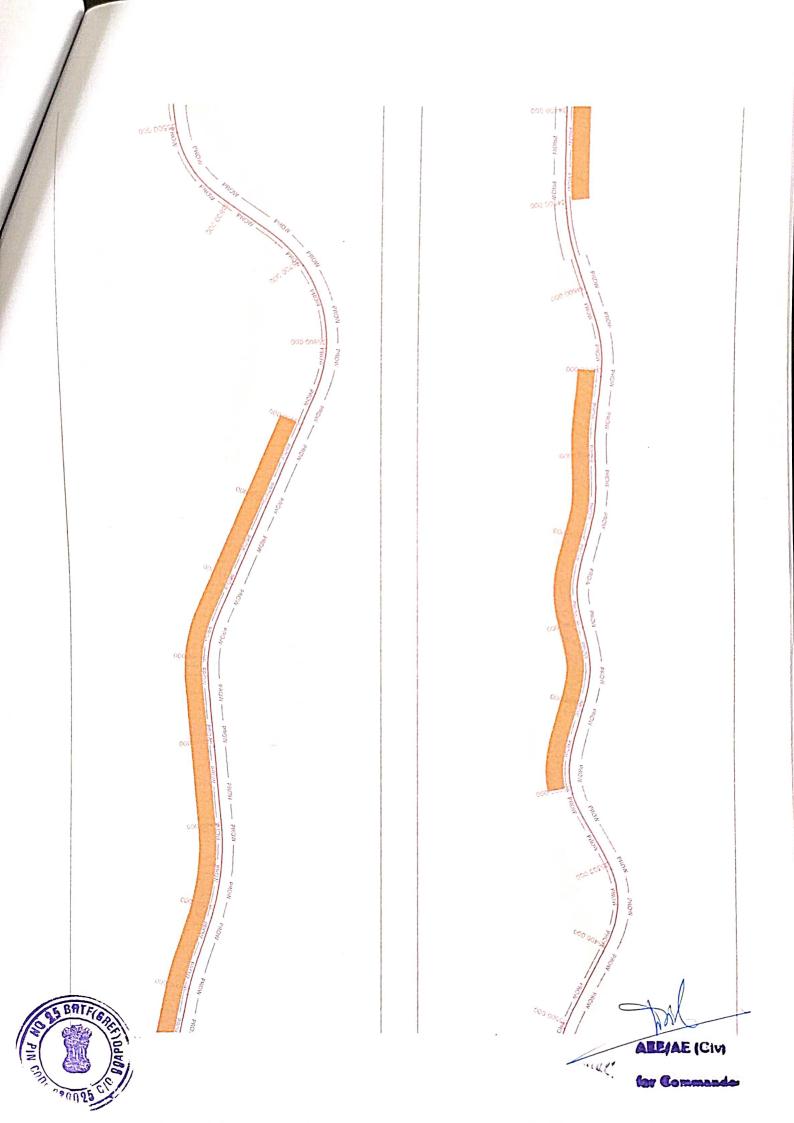


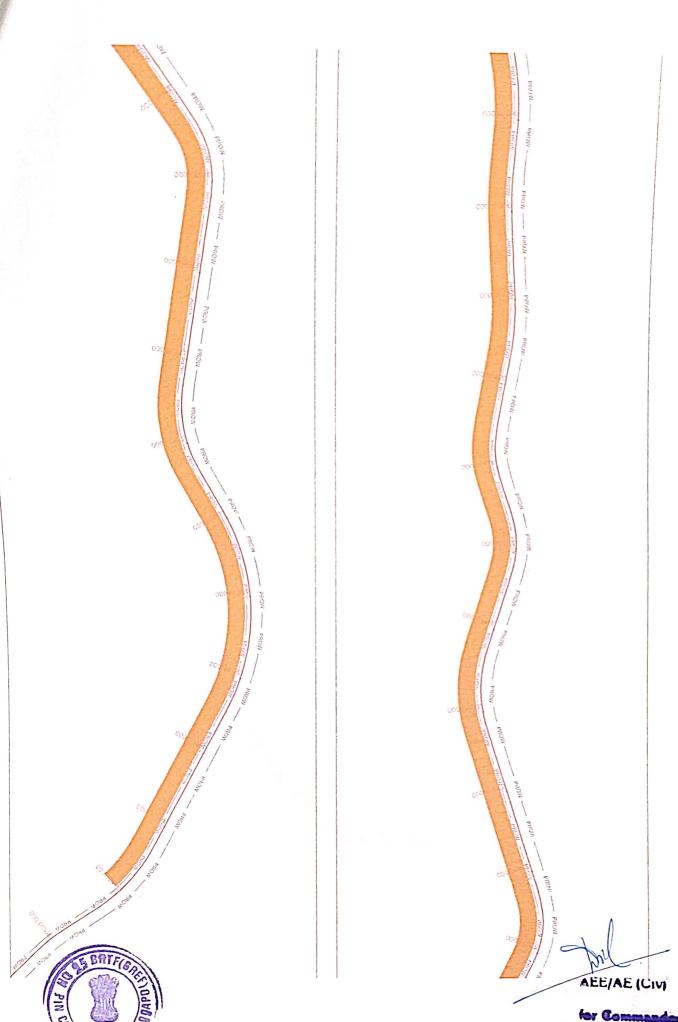








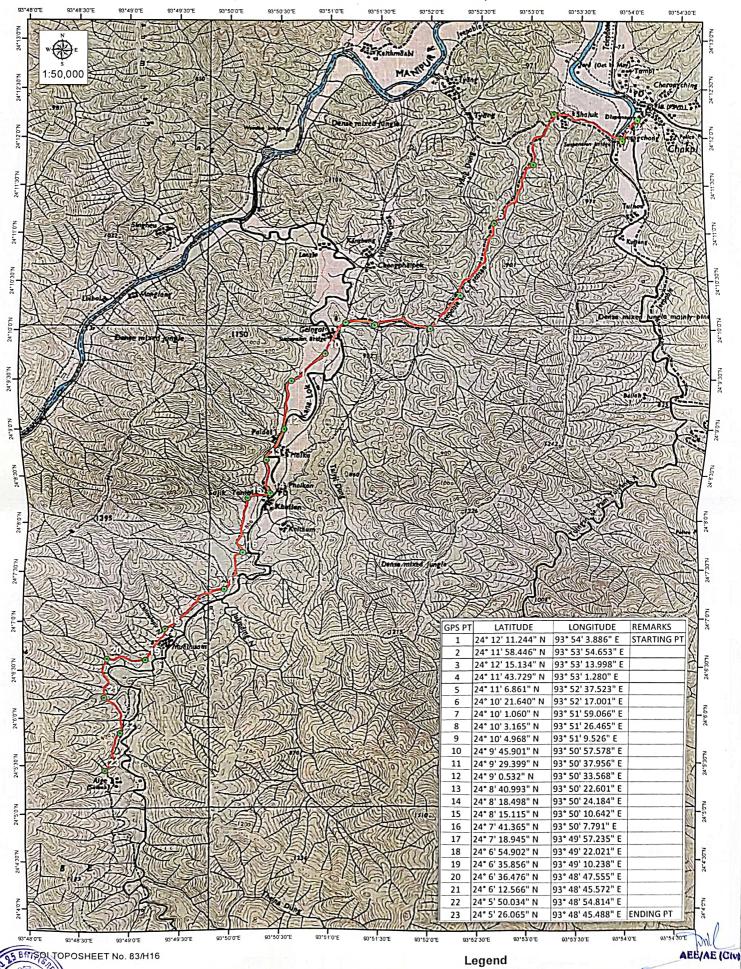








SOI Toposheet Map showing proposed diversion of 22.045 ha of forest land for Widening/Improvement of existing road Chakpikarong-Sajik-Aigong-Khongtal to NHSL Specifications (Phase-1, From Km 00.000 to Km 19.500)



30025

GPS PT

PROPOSED ROAD SECTION PHASE-1 (22.045 HA)

0

for Comme

FSI Forest Cover Map showing proposed diversion of 22.045 ha of forest land for Widening/Improvement of existing road Chakpikarong-Sajik-Aigong-Khongtal to NHSL Specifications (Phase-1, From Km 00.000 to Km 19.500) 83.23.0.E 1:50,000 Keithelmanbi Tampl Charongching Yangen chin Chakpikarong REMARKS LONGITUDE LATITUDE 24° 12' 11.244" N 93° 54' 3.886" E STARTING PT 24° 11' 58.446" N 93° 53' 54.653" E 24° 12' 15.134" N 93° 53' 13.998" E 24° 11' 43.729" N 93° 53' 1.280" E 24° 10' 21.640" N 93° 52 24° 10' 1.060" N 24° 10' 3.165" N 24° 10' 4.968" N 24° 9' 45.901" N 11 24° 9' 29.399" N 24° 9' 0.532" N 24° 8' 18.498" N 93° 50' 24.184" E 24° 8' 15.115" N 24° 7' 41.365" N 24° 6' 35.856" N 93° 49' 10.238" E 24° 6' 36.476" N 21 24° 6' 12.566" N 93° 48' 45.572" E 24° 5' 50.034" N 93° 48′ 54.814" E 22 93° 48' 45.488" E ENDING PT 23 24° 5' 26.065" N Phollen Legend SETTLEMENT AREA IN HA SL NO FOREST CLASS PROPOSED ROAD SECTION PHASE-1 (22.045 HA) MODERATELY DENSE FOREST 0.073 17.622 MODERATELY DENSE FOREST **OPEN FOREST** 0.104 SCRUB SCRUB 3 EE/AE (CIV) BATA 4.246 OPEN FOREST DEGRADED FOREST 22.045 DEGRADED FOREST TOTAL AREA IN HA FOI, FOREST COVER, 2019 93°53'30'E 93.25.0.E 93*52'30"E