

**GOVERNMENT OF ARUNACHAL PARDESH,
DEPARTMENT OF ENVIRONMENT, FORESTS & CLIMATE CHANGE
ITANAGAR**

No. FOR.3-252/Cons/2021/ 229-33

Itanagar, dated, 18th Jan'2024

✓ To

The Officer Commanding,
62 RCC (GREF),
C/o 99 APO,
Pin-930062.

Sub:- Proposal for diversion of 144.00 ha of forest land for construction of Mipi-Andrala road from 0.00 km to 50.00 km by BRTF in Upper Dibang Valley District of Arunachal Pradesh.

Sir,

Please find enclosed herewith a copy of letter F. No. 3-AN A/182/2023/GHY/5031-32 dtd. 04.01.2024, vide which, Govt. of India, Ministry of Environment, Forest & Climate Change, Regional Office, Shillong Sub Office, Guwahati has conveyed in-principle approval for diversion of 144.00 ha of forest land for construction of Mipi-Andrala road from 0.00 km to 50.00 km by BRTF in Upper Dibang Valley District of Arunachal Pradesh. **You are requested to arrange to transfer the following amounts at an early date to enable this office to submit compliance report for obtaining final approval.**

Sl No.	Item	Amount	Remarks
1	Compensatory Afforestation over 144.00 ha.	Rs.7,00,21,500/-	Detail estimate enclosed.
2	Cost of NPV over 144.00 ha	Rs.71,22,17,448/-	i) PA area 103.95 ha X Rs.12,92,850 X 5 times=Rs.67,19,58,788/- ii) USF area 40.05 ha X Rs.1005210/- =Rs.4,02,58,660/- (Condition No.A1)
3	Cost of Penal NPV over 9.90 ha x 5 time	Rs.4,97,57,895/-	Total violation area 9.90 ha X Rs.1005210/- X 5 (Condition No.A 4)
	Interest for 1 st violation for 4.8 ha w.e.f 05.11.2022 to 04.01.2024 =14 months	Rs.33,77,506/-	(i) 4.8ha X Rs.1005210/- X 5 ties X 12% x 14/12 for 14 months=Rs.33,77,506/-
	Interest for 2 nd violation w.e.f. 15.09.2023 to 04.01.2024 for 5.10ha = 4 months	Rs.10,25,314/-	(i) 5.10 ha X Rs.1005210/- X 5 ties X 12% = Rs.30,75,943/- /12 months X 4 month=Rs.10,25,314/-
4	Cost of Wildlife mitigation plan	Rs.4,61,07,000/-	Condition No.A 8(ii)
5	Cost of Biodiversity assesement and impact study	Rs.4,80,00,000/-	Condition No. A 8(i)
6	2% of project cost 25000 lakhs	Rs.5,00,00,000/-	Condition No. A 8(iii)

Further, you are requested to ensure compliance of all the conditions individually & separately and submit necessary undertakings in respect of relevant items wherever required to this office immediately along with compliance report and **specifically the condition No.B 4(1) of AIP**. It may be noted that non-compliance of conditions individually is one of the most common cause of delay after remittance of amount/money towards compensatory levies.

The amounts mentioned at Sl. No. 1 to 6 above totalling Rs.98,05,06,663/- (Rupees ninety eight crore five lakh six thousand six hundred and sixty three) only is to be deposited by generating challan through on-line mode on web portal (<https://parivesh.nic.in>) to the **Union Bank of India, Lodhi Complex Branch, Block 11, CGO Complex, Phase-1, New Delhi-110003 (RTGS/IFSC Code No. UBIN0903710)** for credit in Account No. **Arunachal Pradesh 520101263743426. Beneficiary Name: CAF, Arunachal Pradesh CAMPA.** Further, the Certified copy of the receipt etc. of remittance may be sent to this office for further action.

Besides above, an undertaking to the effect that extraction cost of the project affected trees as calculated by the Department of Environment, Forest & Climate Change on the basis of actual number of trees to be felled will be paid by the User Agency may be submitted alongwith the compliance report of stipulated conditions of AIP. **The extraction cost of trees actually to be felled is to be worked out by the DFO concerned and to be submitted to this office for approval and after obtaining approval, payment to be made by the User Agency.**

Also, it is requested not to break the forest land till final approval of the proposal is granted under the Forest (Conservation) Act, 1980.

Yours faithfully

Enclo: As stated above

[Signature]
17-01-2024

(K.B.Singh)

Addl. Principal CCF (Cons) & Nodal Officer (FCA)

Copy to:

- 1 The PCCF (WL&BD), Itanagar for information & necessary action.
- 2 The Chief Conservator of Forests, EAC, Tezu for information. **He is requested to take action as per condition No.5 of AIP and submit the report for onward submission of report to RO, Sillong for Stage-II approval.**
- 3 The Chief Engineer (P), Udayak, C/o 99 APO for information and necessary action.
- 4 The DFO, Anini FD for information. He is requested to take action as per Condition No. B2 of AIP (**Activities to be done by the Divisional Forest Office, Anini**). It is also requested to submit the estimate for extraction cost of trees actually to be felled as per stipulated condition No. A (12 & 14) of AIP (enclosed) to this office through CCF, EAC immediately for approval

[Signature]
(K.B.Singh)

Addl. Principal CCF (Cons)
& Nodal Officer (FCA)



भारत सरकार
Government of India

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change

क्षेत्रीय कार्यालय, शिलांग/Regional Office, Shillong

उप कार्यालय, गुवाहाटी/Sub - office, Guwahati

चौथी मंजिल, हौसेफेड इमारत, जी एस रोड, रुक्मिणी गाँव, गुवाहाटी- 781022
4th Floor, Housefed building, GS Road, Rukmini gaon, Guwahati - 781022

दूरभाष /Tel Fax: 0361-2962350, E-mail: iro.guwahati-mefcc@gov.in



1242/196

F.No.3 AN A/182/2023//GHY/5031-32

04th January, 2024

सेवा में,

प्रमुख सचिव / Principal Secretary

अरुणाचल प्रदेश सरकार/ Govt of Arunachal Pradesh

पर्यावरण और वन विभाग /Dept of Forests & Environment

ईटानगर/ Itanagar- 791111.

Conservation
08/01/2024

Sub: Proposal for diversion of 144.00 ha of forest land for construction of Mipi-Andrala Road from 0.00 km to 50.00 km by BRO in Upper Dibang Valley District of Arunachal Pradesh.

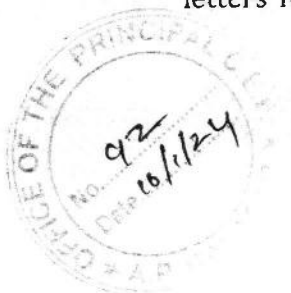
Sir,

This has got reference to the State Government's letter No. FOR.3-252/CONS/2021/4355-59 dated 31.07.2023 on the subject seeking prior approval for the Central Government under Section 2 of the FCA, 1980 and to say that the proposal has been examined by the Regional Empowered Committee constituted by Central Government under Section 3 of aforesaid Act.

2. After careful examination of the proposal and on the basis of the recommendations of Regional Empowered Committee on 29.09.2023 and its recommendation and subsequent approval of Ministry, New Delhi on 26.12.2023 through e-office, "In Principle Approval/Stage- I" clearance of the Central Government is hereby granted for diversion of 144.00 ha of forest land for construction of Mipi-Andrala Road from 0.00 km to 50.00 km by BRO in Upper Dibang Valley District of Arunachal Pradesh, subject to the following conditions:

A. Conditions which need to be complied prior to handing over of forest land by the State Forest Department.

- (1) The user agency shall transfer, the Net Present Value (NPV) in the revised rate of the forest land being diverted under this proposal, as per the orders of the Hon'ble Supreme Court of India dated 28/03/2008, 24/04/2008 and 09/05/2008 in Writ petition (Civil) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No 5-3/2007-FC dated 05.02.2009 and File No.5-3/2011-FC(Vol-I) dated



- (241)
- 21.03.2022. The requisite funds shall be transferred through online portal into CAMPA account of the State concerned;
- (2) The user agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The scheme may include appropriate for anticipated cost increase for works scheduled for subsequent years;
 - (3) The non-forest land proposed for CA shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval. A copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the State Forest Act as the case may be, will be submitted by the State Government prior to Stage-II approval;
 - (4) The State Govt shall ensure the transfer 5 time penal the NPV with the interest as per F(C)Act,1980 guidelines as penalty for the act of violation of F(C)Act,1 980 to Ad-hoc CAMPA by the user agency BRO.
 - (5) The State Govt shall take disciplinary action against the erring staffs of forest department by issuing charge sheet before Stage-II or even giving temporary working permission to avoid such practices in the future. ✓
 - (6) The Regional Office, Shillong shall take action under 3A and 3B within a month of the Stage-I and submit a report to the Ministry.
 - (7) All the funds received from the user agency (CA and dwarf plantation cost, NPV, etc) under the project shall be transferred/ deposited to Compensatory Afforestation Fund of Arunachal Pradesh State managed by the Ad-hoc CAMPA only through e-portal (<https://parivesh.nic.in/>). Amount deposited through other mode will not be accepted as compliance of the Stage-I clearance.
 - (8) The State Govt shall implement immediately following recommendation of the Standing Committee of National Borad for Wild Life in its 73rd meeting held on 17.07.2023:-
 - (i) The budget for implementation of the activities as mentioned in condition (2) of recommendation of SC of NBWL shall be included in the planned project by the BRO and the following estimated cost as per the rapid biodiversity assessment and impact study report by the Zoological Survey of India shall be deposited:

S.No.	Activity	Estimated Cost (in Lakh Rs.)
1	Habitat improvement in selected segments of the proposed alignment (plantation models, soil and water conservation activities	120.00
2	Conservation and management activities for the schedule-I species.	100.00
3	Training and awareness programmes.	55.00
4	Construction of at least 3-Watch Tower along with a guard post for monitoring and protection	30.00
5	Monitoring and Evaluation	25.00
6	Conservation and monitoring research	150.00
	Total	480.00

- (ii) A site-specific mitigation plan for 20.00 km to 50.00 km shall be prepared by a National Institute having expertise in wildlife conservation and management in collaboration with the Forest Department and a local NGO based in Anini, with funding support from BRO and a copy of the plan is to be submitted to Sub Office Guwahati. ✓
 - (iii) The User Agency shall deposit an amount of 2% of the proportionate costs of the project falling within the Protected Area or ESZ as corpus with Dibang Wildlife Sanctuary to meet the recurring cost and unforeseen expenditure to mitigate certain adverse impacts of road and to maintain corridor connectivity and metapopulation dynamics, rescue of road accident animals, removal of invasive species, waste disposal, strengthening protection, habitat improvement etc. for the area impacted. ✓
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- (9) The KML files of the area to be diverted, the CA areas, the proposed SMC work, and the WLMP area shall be uploaded on the e-Green watch portal with all requisite details before issuing working permission towards linear projects or submitting compliance report for seeking Stage II approval, as the case may be.
 - (10) The compliance report shall be uploaded on *e-portal* (<https://parivesh.nic.in/>).
 - (11) The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer;
 - (12) The charges for felling, logging and transportation of project affected trees should be collected from the User Agency at the rates approved by the State Govt and deposited with the DFO concerned for utilization immediately following the diversion of forest land.
 - (13) The expenditure like boundary walls, stone pillars, demarcation charges, cost of damage of trees the funds on these accounts should, be deposited with the DFO concerned.
 - (14) The User Agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department.
 - (15) The user agency shall explore the possibility of successful translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department;
 - (16) The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.
 - (17) Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the prescribed guidelines in Forest (Conservation) Act, 1980 issued by this Ministry.

(289)

B : Conditions which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval:

- (1) Legal status of the forest land shall remain unchanged.
- (2) The compensatory afforestation shall be taken up on 144.00 ha equivalent area at Biyanli VFR in Anini Forest Division of Upper Dibang Valley District within three years from the date of Stage -II Clearance and maintained thereafter by the State Forest Department at the cost of the User Agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided. The CA will be maintained for 10 years.
- (3) At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;
- (4) **The State Govt shall implement the following recommendation of the Standing Committee of National Borad for Wild Life in its 73rd meeting held on 17.07.2023 which is reproduced as under:-**

"1. Activities to be done by the User Agency:

- (i) *Creation of underpasses for wildlife species, box culverts for proper drainage of waterflow should be implemented in the proposed alignments at regular interval of road stretch. This recommended underpass should have at least 4-5m height, 8-10m width and length equal to the width of the proposed road and should be rectangular in shape. Small underpasses for small mammal passage, reptiles and amphibians shall also be constructed as per the guidance document, 'Eco-friendly measures to mitigate impact of linear infrastructure on wildlife'. Proper maintenance of the road sides should be taken care of as ground feeder bird species were mostly killed in search of food grains at the sides of the roads.*
- (ii) *Creation and maintenance of proper muck disposal sites along with constructions of guard wall for post muck disposal rehabilitation must be taken to mitigate soil erosion.*

2. Activities to be done by the Divisional Forest Office, Anini:

- (i) *Habitat improvement in selected segments of the proposed alignment. Area base habitat management including habitat improvement through adopting agroforestry plantation models, should be carried out in the post muck disposition sites to prevent soil erosion.*
- (ii) *Conservation and management activities for the Schedule-I species as per the plan suggested by the Zoological Survey of India.* ✓
- (iii) *Training programmes for the local communities for rural enterprise development, wildlife monitoring training programmes for the Forest Department frontline staff, and capacity enhancement of the Forest Division through procurement of equipments necessary for monitoring and animal handling to mitigate human wildlife conflicts.*

- (iv) Construction of watch tower and Guard post along the proposed alignment for actively monitoring the hunting practices and other illegal activities destroying the rich wildlife in the landscape.
- (v) Monitoring and Evaluation of the progress towards achieving the management recommendations as well as the impacts of the strategies through hiring a third party government agency once in five years.
- (viii) Culverts with rectangular cross-sections shall be constructed because of the wider bottom compared to pipes. It is also easier to fix the guiding structures neatly to the culverts. There should be atleast 10 m guiding structure on both side of the culvert. There should be no gap in-between the guiding structure and the tunnel to deter any trespassing animal.
- (ix) Dimension of the culverts built on seasonal and perennial streams should include "wet refugia" of at least 5-10 m on either side of the water channels. Especially if there are any marshy areas, multiple underpasses should be provided with guiding structures that are parallel to the road in order to facilitate movement.
- (x) The opening of the culverts should be free from any obstruction and must guide the animal away from the road. The passage should be maintained from overgrown vegetation.
- (xi) A "ledge" or embankment should be constructed on the wall of the underpass to provide a passage platform during heavy floods. The end of the ledges should terminate in an arboreal situation.
- (xii) DFO, Anini may identify any additional specific critical points for animal crossings and suggest mitigation structures along the road passing through the Dibang Wildlife Sanctuary and the User Agency comply with the mitigation plan during the construction phase. As the Wildlife Institute of India has a research team at Anini, the DFO-Anini may also take its assistance in identification of critical sites for animal movement.

3. Following non-structural mitigation measures shall also be implemented:

- (i) To avoid frequent repairs and disturbances, carriageway pavement should be rigid, having well planned road side drainage and utility ducts.
- (ii) User Agency will make provision of vegetative or mechanical canopy closure option for movement of arboreal wildlife.
- (iii) User Agency will install overhead signboard at every 500 meter in the forest area about conservation of wildlife, animal crossing, restriction on feeding animal, garbage dumping, parking, honking, speed limit, forest fire do's and don'ts etc. specifically keeping in mind the tourists who may visit the area.
- (v) Monitoring committee shall be constituted under chairmanship of the Regional Chief Conservator of Forests (Eastern Circle), with DFO-Anini and 73rd SCNBWL MoM held on 17.07.2023 Page 7 of 201 representative of the User Agency as members. Committee shall submit monthly report to the Chief Wild Life Warden on progress of work and compliance of the conditions laid out under this report as well as other if any.
- (vi) Completion certificate will be issued after written certification from chairman of monitoring committee countersigned by Chief Wild Life Warden that all the conditions are satisfactorily complied with.
- (vii) Post completion of the road, the monitoring and maintenance of mitigation structure will be done jointly on advice of forest department and at cost of User Agency.

- (viii) Traffic should not be allowed on this road for civilians between sunset to sunrise as animal movements are high during these hours and will result in collisions and mortality.
- (ix) A check post should be constructed at the entry point of the sanctuary or another convenient location and manned by forest department staff to keep record of people and vehicles accessing the sanctuary.
- (x) The adverse impact of the road construction should be taken care by cut and fill method. The muck excavated should be used for filling embankments, retaining walls and should be used for other construction structures and the remaining muck generated should be disposed in proposed dumping sites only.
- (xi) A speed limit of 20-30 km for civilian vehicles should be set and scientifically-designed speed breakers should be placed at every 500 m intervals.
- (xii) Natural flow of streams should not be altered in any way and it should be maintained as it is.
- (xiii) All outside material left over after construction or repair (including stones, sand, cement, packaging material, papers, cartons, oils, cans, bags, wires, metal objects, housing sheds, plastics and glass) should not be left on site, but should be carefully removed and carried away outside the sanctuary.

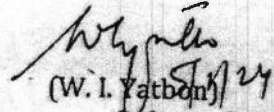
4. The annual compliance certificate on the stipulated conditions should be submitted by the project proponent to the State Chief Wild Life Warden and an annual compliance certificate shall be submitted by the State Chief Wild Life Warden to the Government of India."

- (5) The User Agency shall obtain the Environment Clearance as per the provisions of Environment (Protection) Act, 1986, if required;
- (6) The User Agency shall take all possible precautions & care all the time not to impact adversely the surrounding forests and forest land by their actions/activities.
- (7) The user agency will undertake comprehensive soil and water conservation measures at the project cost.
- (8) The overburden shall not be dumped outside the width of the road. The muck generated in the earth cutting will be disposed off at the designated dumping sites and in no case the muck/debris will be allowed to roll down the hill slopes.
- (9) Wherever possible and technically feasible, the user agency shall undertake afforestation measures along the road within the area diverted under this approval, in consultation with the State Forest Department at the project cost.
- (10) The muck dumping area shall be stabilized and plantation of suitable species shall be carried out over stabilized dumps on the cost of the user agency under the supervision of State Forest Department.
- (11) The designing of culverts/ bridges, if any, over the natural streams/rivers/canals should be done in such a manner that it does not hamper the natural course of the water, does not give rise to water logging and also does not hamper the movement of the wild animals.

- (12) All the site-specific engineering structures like retaining walls, breast wall and drainage shall be constructed to avoid any soil erosion and to provide slope stability of the concerned hills.
- (13) No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;
- (14) The user agency shall take special measures for prevention of landslide/erosion by biological or mechanical measures and stabilization of side slope to avoid landslides and ensure that muck is dumped only on identified muck dumping area as per Muck Dumping Plan.
- (15) The road side plantation of indigenous species with economic and ecological importance in consultation with the communities/JFMC may be undertaken as per MoRTH guideline by the user agency.
- (16) The user agency shall undertake with special attention for the road side amenities such as toilet, bus shed, etc. as per the guideline of MoRTH, wherever necessary. For all such amenities, special needs of women & differently abled to be kept in mind.
- (17) The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.
- (18) No damage to the flora and fauna of the adjoining area shall be caused;
- (19) The lay out of the proposal shall not be changed without the prior approval of the Central Government.
- (20) The concerned Divisional Forest Officer, will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.
- (21) The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.
- (22) No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.
- (23) The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.
- (24) The forest land shall not be used for any purpose other than that specified in the project proposal.
- (25) As per Ministry's letter No 11-30/96-FC(Pt) dt 14.9.2001, if the compliance of stipulated conditions is awaited from the State Govt for more than 5(five) years, the in-principle approval would be summarily revoked considering that the user agency is no longer interested in the project.
- (26) Any other conditions that the Regional Office, Shillong, Ministry of Environment, Forest & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife.

3. After the receipt of the compliance report from the State Government on fulfillment of the conditions mentioned above, final/stage-II approval of the Central Government, in accordance with Section 2 of the Forest (Conservation) Act, 1980, will be considered. Till the receipt of the Final / Stage-II approval of the Central Government for diversion of the said forest land from this Ministry, transfer of the said forest land to the User Agency shall not be affected by the State Government.

भवदीय,

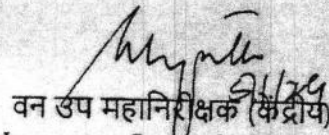

(W. I. Yatben)

वन उप महानिरीक्षक (केंद्रीय)

Deputy Inspector General of Forests(C)

Copy to:

1. प्रधान मुख्य वन संरक्षक/ Principal Chief Conservator of Forests & HoFF, अरुणाचल प्रदेश सरकार/ Government of Arunachal Pradesh, पर्यावरण और वन विभाग / Department of Env. & Forests, इटानगर/Itanagar.


वन उप महानिरीक्षक (केंद्रीय)

Deputy Inspector General of Forests(C)

o/c

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER ANINI SOCIAL FORESTRY DIVISION

Name of project Construction of Mipi-Andrala road from 0.00 km to 50.00km.
 User Agency : BRTF
 Location of CA : Biyanli VFR
 Area of CA : 144.00 ha.
 Wages rate (DL) : 417/-

		Unit	Qty	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	158400	19	3009600	
1	1ST YEAR OPERATION					
	Survey & demarcation and preparation of map @ 4 mandays/ ha.	ha	144.00	1668	240192	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	6700	264.54	1772418	
	(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					
	Sub-Total					
3	Raising of seedlings for casualty replacement	No.	39600	19.0	752400	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
4	RAISING OF PLANTATION					
	(i) Clearance of brush wood, planting lines & staking of debris @ 15 mandays/ha.	ha	144.00	71099	10238256	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandays/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha					
	(iv) Preparation of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha					
	(v) Carrying of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I)/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	3RD YEAR OPERATION	ha	144.00	22518	3242592	
	(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					

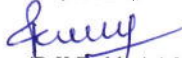
	Add 20% escalation value on total of item 5(i) to 5(iv)					
6	4TH YEAR OPERATION	ha	144.00	17889	2576016	
	(i) Tending -2 weedings @ 12 mandays/weeding/ha					
	(ii) Casualty replacement 10% @ 7 mandays/ha					
	(iii) Maint. Of inspection path @ 1 manday/ha					
	(iv) Maint. of fireline @ 1 manday/weeding/ha					
	Add 30% escalation value on item 6(i) to 6(iv)					
7	5TH YEAR OPERATION	ha	144.00	8173	1176912	
	(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	6TH YEAR OPERATION	ha	144.00	8757	1261008	
	(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	7TH YEAR OPERATION	ha	144.00	3336	480384	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 60% escalation value on total item 9(i)					
10	8TH YEAR OPERATION	ha	144.00	3545	510480	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					
	Sub-Total					
11	9TH YEAR OPERATION	ha	144.00	3753	540432	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
12	10TH YEAR OPERATION	ha	144.00	3962	570528	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 90% escalation value on total of item 12 (i)					
13	Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 12000/- for Area-I & Rs.12500/- for Area-II per month. Add escalation value by multiplying factor 1st year.	No.	6	2175000	13050000	
	(M.F=1.1) for 2nd year					
	(M.F=1.2) for 3rd year					
	(M.F=1.3) for 4th year					
	(M.F=1.4) for 5th year					
	(M.F=1.5) for 6th year					
	(M.F=1.6) for 7th year					

	(M.F=1.7) for 8th year					
	(M.F=1.8) for 9th year					
	(M.F=1.9) for 10th year					
14	a) Const. of OBT labour shed (2 room) for workers at Plantation site subject to a minimum area of 15 ha and upto 25 ha beyond 25 ha one room to be added for every 13 ha or part thereof at proportionate cost.	No.	6.00	608235	3649410	
	b) Maint. Of OBT hut @ 25% of the const. Cost per year from 4th year to 6th year including escalation value by multiplying factor					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
15	a) Const. of Modified improved Basha Type standard size quarter for every 50 ha	No.	3.00	3171654	9514962	
	b) Maint. of @ 20% of const. Cost per year from 2nd year to 9th year including					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					
	1.7 for 8rd year					
	1.8 for 9rd year					
16	a) If CA area is 10 Km away from the nearest forest office/establishment 1(one) constn. Of SPT Beat office (31.39 sqm) for area over 100 ha	No.	1.00	2468880	2468880	
	b) Maint. Of @ 10% of constn. Cost per year (from 2nd year to 9th year) including:					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					
	1.7 for 8rd year					
	1.8 for 9rd year					
17	Provision for plantation Supervisor for every 150 ha @ Rs.13000/- for Area-I & Rs.13500/- for Area-II per month for 10 years where CA area is more than 150 ha adding escalation value as item No. 13 above, adding escalation value by multiplying factor as below.	No.	1.00	2175000	2175000	
	(M.F=1.1) for 2nd yr.					
	(M.F=1.2) for 3rd yr.					
	(M.F=1.3) for 4th yr.					
	(M.F=1.4) for 5th yr.					
	(M.F=1.5) for 6th yr.					
	(M.F=1.6) for 7th yr.					
	(M.F=1.7) for 8th yr.					
	(M.F=1.8) for 9th yr.					
	(M.F=1.9) for 10th yr.					
18	Approach foot track to plantation in area where necessary	Rmt	1000	8.23	8230	
19	Entry point activities	Ha	144	18170	2616480	

20	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.59854180/-				8978127	
21	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	144.00	8258	1189152	
				Total	70021459	
					or say Rs.70021500	

(Rupees seven crore twenty one thousand five hundred) only

Prepared by



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O/O PCCF, Itanagar



(K.B.Singh)
Nodal Officer (FCA)