

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (HEAD OF FOREST FORCE), MAHARASHTRA STATE, NAGPUR

ADDITIONAL PRINCIPAL CHIEF CONSERVATOR OF FORESTS AND NODAL OFFICER, MAHARASHTRA STATE, NAGPUR,
First Floor, 'B' Wing, Van Bhavan, Civil Lines, Nagpur-440001.

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No. Desk-17/Nodal/Chandrapur/ID-12781(14)/ 2160 /2022-23
Nagpur – 440 001, Date :- 24/11/2022

To,

The Assistant Inspector General of Forests (FC Division)
Government of India,
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road,
New Delhi-110003.

Sub:- Diversion of 63.540 ha forest land for development of Green Filed Airport at village Vihirgaon and Murti, Taluka Rajura of District Chandrapur in the State of Maharashtra (Online No. FP/MH/Others/42471/2019)

- Ref:- 1) The Government of India, MoEF & CC (FC Division), New Delhi vide letter No. File No.8-29/2022-FC, dated 24/11/2022
- 2) The Chief Conservator of Forests (T), Chandrapur vide letter No. Desk/survey/land/2022-23/2114 dt 24/11/2022.

Sir,

The Government of India, MoEF & CC (FC Division), New Delhi vide letter under reference No.1 has sought compliance on 09 points. Accordingly, the Chief Conservator of Forests (T), Chandrapur vide letter under reference No. 2 has submitted the compliance of shortcoming in this regard to this office. The compliance report as desired by Government of India vide letter dt.24/11/2022 is submitted as under:-

Sr. No.	Point	Compliance
i	The copy of undertaking from the User Agency to adhere to and bear the cost of all the mitigation measures suggested by WII, Dehradun has not been submitted.	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No.I)
ii	The KML files of all alternatives examined along with the justification for selecting the present proposed forest area has not been submitted.	The KML files of all alternatives examined along with the justification for selecting the present proposed forest area is enclosed herewith as (Annexure No.II)
iii	The state govt has intimated that the cost of plantation already raised on the area proposed for diversion will be incurred /reimbursed by the User agency. A copy of	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No.III)

	undertaking from the User Agency in this regard shall be submitted.	
iv	The copy of justification in view of adjoining Nagpur Airport which is 158 km from proposed diversion site is incomplete as the Annexure-A mentioned in the Annexure XIII submitted by the State Government has not been found enclosed.	The said justification given by the user agency is enclosed herewith as (Annexure No. IV)
v	The State Government has stated that as per report submitted by the User Agency generally for air strip A320 aircraft requires run way strip of 3000 meters and total area required is approximately 400 ha. However, in this proposed airport, area involved is 339.94 ha and forest area involved is 63.54 ha. However, the copy of the said report of the User Agency has not been found enclosed.	As per report submitted by the User Agency generally for air strip A 320 aircraft requires run way strip of 3000 meters and total area required is approximately 400 ha. However, in this proposed airport area involved is 339.94 ha. and forest area involved is 63.54 ha. (Kindly refer second last paragraph on page no.3 of Annexure II).
vi	As per the component wise area statement a tabular detail of different components has been given wherein it has been reported that 54.242 ha will be used for other related infrastructure (Air Strip, Terminal). The details/ breakup of the said area requirement for different components like Air Strip and Terminal etc. shall be submitted.	The component wise break up of forest and non-forest area statement is enclosed herewith as (Annexure No. V)
vii	The copy of Geo-referenced land use map of the project area involved in the instant proposal has not been submitted.	The copy of Geo-referenced land use map of the project area involved in the instant proposal is enclosed herewith as (Annexure No.VI)
vii i	The copy of R&R plan along with the undertaking from the user agency for	The User Agency has submitted an undertaking. A copy of the same is enclosed herewith as (Annexure No.VII)

	rehabilitation shall be submitted.																																																		
ix	As per DSS analysis it has been found that:																																																		
A.	The area of Revised KML file of one CA patch namely Compartment No 154, Village Sumthana, Range: Rajura was examined and it has been observed that Plantation work was carried out within the above said CA patch as per Satellite imagery data. The same shall be examined and kml file of suitable area shall be submitted along with CA scheme.	<p>The Deputy Conservator of Forests, Central Chanda Forest Division has revised the earlier proposed compensatory afforestation land as it was partially encroached and was having plantation. Now, the Deputy Conservator of Forests, Central Chanda Forest Division has submitted revised compensatory afforestation over 65.00 ha. non forest land. The details shown are as under:-</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Range</th> <th>Round</th> <th>Beat</th> <th>Village</th> <th>C.No.</th> <th>Area (in ha.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ballarsha</td> <td>Ballarsha</td> <td>Kem</td> <td>Kem</td> <td>577</td> <td>10.00</td> </tr> <tr> <td>2</td> <td>Ballarsha</td> <td>Manora</td> <td>Vishnupur</td> <td>Vishnupur</td> <td>567</td> <td>25.00</td> </tr> <tr> <td>3</td> <td>Wirur</td> <td>Dewada</td> <td>Kawadgondi</td> <td>Kawadgondi</td> <td>313</td> <td>10.00</td> </tr> <tr> <td>4</td> <td>Rajura</td> <td>Vihirgaon</td> <td>Murti</td> <td>Murti</td> <td>200</td> <td>10.00</td> </tr> <tr> <td>5</td> <td>Rajura</td> <td>Tembhurwahi</td> <td>Tulana</td> <td>Tulana</td> <td>170</td> <td>10.00</td> </tr> <tr> <td colspan="6" style="text-align: right;">Total non-forest C.A</td> <td>65.00</td> </tr> </tbody> </table>	Sr. No.	Range	Round	Beat	Village	C.No.	Area (in ha.)	1	Ballarsha	Ballarsha	Kem	Kem	577	10.00	2	Ballarsha	Manora	Vishnupur	Vishnupur	567	25.00	3	Wirur	Dewada	Kawadgondi	Kawadgondi	313	10.00	4	Rajura	Vihirgaon	Murti	Murti	200	10.00	5	Rajura	Tembhurwahi	Tulana	Tulana	170	10.00	Total non-forest C.A						65.00
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B.	Out of 6 patches proposed over DFL to compensate the plants/ ha of Non-Forest land (NFL), the other two patches in Compt. No. 46 of Village Punaguda (Navegaon) and in Compt. No. 158 of Village Chunala contain encroachments and plantation works respectively as informed previously. Therefore the same needs to be revised.	<p>In this regard, the KML file of Compensatory afforestation of non-forest area has been uploaded on Parivesh portal and C.A scheme for 10 years is submitted as (Annexure No. VIII)</p>																																																	

The above shortcomings compliance is submitted along with Annexure Nos. I to VIII. Therefore, it is requested to process the compliance report for approval under section-2 (ii) of the Forest (Conservation) Act-1980, at the earliest.

Encl:- As above

Yours sincerely,

(Dr. Kumaraswamy S. R.)
Deputy Conservator of Forests,
Forest Conservation.

Copy submitted with enclosures to the Principal Secretary (Forest), Revenue & Forest Department, Mantralaya, Mumbai -32 for information.

Copy to the Chief Conservator of Forests (T), Chandrapur for information.

Copy to the Deputy Conservator of Forests, Central Chanda Forest Division for information.

Copy to the Authorized Officer, M.A.D.C Ltd., for information.



महाराष्ट्र शासन
वन विभाग



मुख्य वनसंरक्षक, चंद्रपुर वनवृत्त, चंद्रपुर यांचे कार्यालय

सिव्हील लाईन, नागपुर रोड, चंद्रपुर- 442401

दुरध्वनी क्र. 07172-256279, 252232

Email id- ccfcchandrapur@gmail.com, ccftchandrapur@mahaforest.gov.in

क्रमांक : कक्ष-3(1)/जमिन/प्र.क्र.479/2022-23/1214

दिनांक :- 24.11.2022

प्रति,

मा. अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी,
महाराष्ट्र राज्य नागपूर

विषय :- ग्रिनफिल्ड विमानतळ, चंद्रपूर मौजा विहीरगाव व मुर्ती ता. राजुरा करीता 63.54 हे. क्षेत्राच्या प्रस्तावा संदर्भात केंद्र शासनाच्या पत्रातील 9 मुदयांबाबतची माहिती सादर करणेबाबत.

- संदर्भ:-**
1. केंद्र शासनाचे पत्र क्र. F.No. 8-29/2022-FC, दिनांक 24.11.2022
 2. अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी महाराष्ट्र राज्य नागपूर यांचे कडील पत्र क्र. कक्ष-17/नोडल/चंद्रपूर/आयडी12781(14)/2158/22-23, दि. 24.11.2022
 3. उपवनसंरक्षक, मध्य चांदा वनविभाग, चंद्रपूर यांचे कडील पत्र क्र.कक्ष/सर्व्हे/जमीन/2022-23 1164, दि. 24.11.2022

उपवनसंरक्षक, मध्य चांदा वनविभाग, चंद्रपूर यांचे संदर्भिय पत्र क्र. 3 अन्वये केंद्र शासनाचे संदर्भिय पत्र क्र. 1 अन्वये उपस्थित केलेल्या मुदयांची माहिती शिफारशीसह या कार्यालयास सादर केलेली आहे. तेव्हा सदरच्या माहितीचे संस्करण करून हे कार्यालय सुध्दा शिफारशीसह पुढील कार्यवाहीकरीता सादर करण्यात येत आहे.

करीता माहितीस सविनय सादर.

स्वा/-

(प्र.ज.लोणकर)

मुख्य वनसंरक्षक

चंद्रपूर वनवृत्त, चंद्रपूर

प्रतिलिपी:- उपवनसंरक्षक, मध्य चांदा वनविभाग, चंद्रपूर यांना माहितीकरीता अग्रेषित.



Undertaking

The authorized signatory of MADC Ltd. Here by submitting undertaking with reference to diversion of 63.54 Ha. forest land for Chandrapur Greenfield Airport at Murti and Vihirgaon,

As per the Report of Wildlife Institute of India, mitigation measures suggested to MADC will be scrupulously implemented. User agency is ready to implement all mitigation measures as follows.

- a. Reduction of RESA area from 400 mtrs to 200 mtrs by virtue of that area reduced from 75.24 ha to 63.54 ha.
- b. Restoration and strengthening of existing wildlife habitat along the corridor and in the forest of Chandrapur Division, Maharashtra.
- c. Ready to minimize the likely impact of peripheral lights and sound level.
- d. MADC undertake suggested mitigatory measures across roads passing through the existing corridor and minimize the extent of increased disturbance with this development in this landscape.
- e. Wildlife use will be monitored during the construction phase and all the costs for such monitoring shall be met by MADC.
- f. MADC shall consider and accept any mid-term mitigatory measure suggested based on the monitoring undertaken during construction and after operation of the airport by the Wildlife Institute of India.



Authorized Signatory

Gaurav S. Upshyam

(Gaurav S. Upshyam)
Sr. Manager R.C.S.,
MADC Ltd.

Maharashtra Airport Development Company Ltd.

(A Government of Maharashtra Undertaking)

CIN : U45203MH2002SGC136979

GSTIN-SEZ: 27AADCM9623M2ZY / GSTIN-NON SEZ: 27AADCM9623M1ZZ

Central Facility Building, B-Wing (North), 1st Floor, MIHAN SEZ, Khapri (Rly), Nagpur - 441 108.

Tel: +91-712-2815600 ● Fax: +91-712-2815601 ● E-mail: jmd@madcindia.org ● Website: www.madcindia.org



Undertaking

The Authorised signatory of MADC Ltd., hereby submitting undertaking with reference to diversion of 63.54 Ha forest land for Greenfield Airport at Murti and Vihirgaon, Chandrapur.

Existing Morwa Airport is 39 km away from proposed Murti Airport however Morwa airport development is limited by surrounding Following obstructions,

- All sides of (Morwa) Airport are connected to areas connected / touched to the boundaries of residential and industrial areas.
- Heighted chimneys of Dhariwal Power plant is near the Morwa airport.
- Government land is not available for expansion of the Morwa airport.
- The nearest area is covered with high tension power lines connected from Chandrapur super thermal power centre.

Only chartered flight of limited capacity can be handled on this airport and the new Greenfield Airport is proposed for development of commercial and cargo facilities

Thus, to cater the with future need of air transportation, Greenfield Airport is proposed near Rajura town. Before selecting the site, following alternate locations were surveyed and studied by MADC but except Murti other sites are not suitable for airport.

1. Village - Mouza Sushi Daabgaon and Kelzar, Taluka - Mul, District - Chandrapur - Site visit date - 30/09/2013.

MADC team surveyed the site on 30/09/2013 and total land 388.62 ha was proposed for Greenfield Airport but land of Kelzar, as per revenue record belongs to Samudayak Society & Ambedkar Society and Sushi Daabgaon land belongs to forest department and also has nuisance of Naxalities. Forest area required in this site was more than 100 ha.

2. Village - Visapur, Taluka - Ballarpur, District - Chandrapur - Site visit date - 18/07/2009.

Maharashtra Airport Development Company Ltd.

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Surrounded by chimney of Ballarsha paper mill, Telephone antennas, High tension electric towers, difference in level with Surrounding area, obstructions in approach & inner horizontal surface. Even most of area is reserved and protected forest.

3. Village - Kothari, Palasgaon, A/modi, Taluka - Ballarpur, District - Chandrapur - Site visit date - 18/07/2009.

Surrounded by of Antena (Telecom etc), Low elevation causes flood due nereby Nullah & River, major state road passing though area, approach on Eastern side has obstruction, hill in outer horizontal surface. Forest area in this site was quite high.

4. Village - Vihirgaon/Murti, Taluka - Rajura , District - Chandrapur - Site visit date - 10/06/2017.

After surveyed by MADC team no major obstacles like high tension line chimneys, Hills, where not found near by area also Government Revenue land was easily available for handover and minimum forest land was required in this alternative as compared to other three options. Due to this reasons this site was finalized for Greenfield Airport project.

Following benefits and development possible because of this Project

- Employment generated consequent to the activities in the Greenfield Airport Project will benefited around 600 people (Direct including through Contractors and indirect self-employment).
- The project will have tremendous boost to the local and the regional economy benefiting population over 2 lakhs.
- Ample commercial opportunities will become available for economic development in the Chandrapur District through ancillary services and cottage industries.
- The State Govt. will directly benefited the revenue on account of Greenfield Airport Project.
- The project will reduce the distance over connecting the Road to the existing Greenfield Airport plant which implied saving of Foreign Exchange on the precious fuel used in Road Transport.
- Unlike the financial benefits, the social benefit arising out of this proposal can expressed only as value judgment. This includes increases in the slandered of living local population, educational opportunities, training and development of skill etc.

- The project will provide wide opportunities for increase interaction in one side word and will draw the local population out of their shell and encourage them to join national mainstream.
- This will also help medical emergencies in Naxalite area of Gadchiroli District.
- The most important from the Greenfield Airport will be creating of an industrial channel that will defuse the potentially grave social problems that the district faces in the form of illiteracy which thrive on ignorance, poverty and isolation of the local people will cease to have their rationale and hence will fade out the area.
- Chandrapur District is already having established Defence products Manufacturing Mega Units and all related since 1970. If the Airport facility is established in this district, it will help huge scopes and development possibilities in Defence related sector as Govt. of India is promoting “**MAKE IN INDIA**” movement in all sectors with flexible policies.

Actual requirement of land for this project is 339.94 ha however MADC bifurcated the said project in two phases as per the requirement of essential mandatory area and optional development area as per the availability of funds with user agency. Forest area required is most essential part of the project because forest area is proposed for runway strip. Acquisition of Private land is time consuming that's way it was shown as phase II. However, in present circumstances both phase I & phase II are merge together and acquisition process started for phase II also.

⑤ Generally for A320 requires run way strip of 3000 meters and total area required is approximately 400 ha. However, in this proposed airport, area involved is 339.94 ha. And forest area involved is 63.54 ha.

The flood line of wardha river is 1.2 km from the proposed new greenfield airport boundary and it will not affect the construction as well as the airport activities.

All information provided above is as per record available with MADC.



Authorized Signatory

Gaurav S. Upshyam

(Gaurav S. Upshyam)

Sr. Manager R.C.S.,

MADC Ltd.



Undertaking

The Authorized signatory of MADC Ltd., hereby submitting undertaking with reference to diversion of 63.54 Ha forest land for Greenfield Airport at Murti and Vhirgaon, Chandrapur.

Diversion area includes Tree plantation as per the information received from Dy. CF Central Chanda, Chandrapur. MADC is ready to pay costs incurred on that plantation by Forest Department as per existing norms of Plantation.



Authorized Signatory

Gaurav S. Upshyam

(Gaurav S. Upshyam)
Sr. Manager R.C.S.,
MADC Ltd.

Maharashtra Airport Development Company Ltd.

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Date : 14/11/2022

To,
The DyCF Central Chanda,
Forest Department, Chandrapur,
Maharashtra.

Subject : 63.540 Ha. Forest Land diversion proposal of upcoming Greenfield Airport Chandrapur, Maharashtra.

Reference : MoEF & CC letter dated 10th November 2022, file no.8-29/2022-FC.

Respected sir,

As per reference letter please find pointwise compliance/ undertaking as directed by Moef & CC, New Delhi regarding Greenfield Airport, Chandrapur, Maharashtra.

iii. The detail of the other alternatives examined and the reasons for their rejection have not been submitted. The State Government shall submit the details including KML files of all such alternatives examined along with the justification for selecting the present proposed forest area.

- The details of alternative sites attached here with Justification and KML file in CD format.

vi. The existing Chandrapur Airport is just 39 km away from proposed diversion site and the Nagpur Airport is 158 km from proposed diversion site. Therefore, the State Government shall submit detail justification for proposing new Airport involving forest land proposed site.

A) The existing airport has limited scope and commercial facility can not be developed because of the following obstacles in the surrounding area only Chartered flights of limited capacity takeoff on this airport with limited facility.

- 1) All Airport areas connected/touched to the boundaries of residential and industrial areas.
- 2) Two highted chimneys of Dhariwal Power Plant are near the airport.
- 3) No land available for expansion of the airport boundary.
- 4) The nearest area is covered with high tension power lines, for commercial flights and corgo this Airport is not suitable.

B) The proposed site is around 190KM from the existing Nagpur Airport and Justification about new airport is already attached as annexure A.

Maharashtra Airport Development Company Ltd.

(A Government of Maharashtra Undertaking)

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x. The project is located at a distance of around 1 km from Wardha river and its tributaries. The State Government shall examine this aspect from flood zone point of view and the mitigation measures required to be taken during construction phase.

- The flood line is on 1.2 km away from the proposed new Greenfield Airport boundary and it will not affect the construction as well as the airport activities.

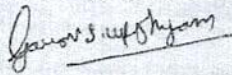
xiv. The user agency initially applied for diversion of 75.24 ha forest land. However, the State Government has recommendation only 63.540 ha of forest land for diversion. Therefore, the same needs correction in online Part-I. The component wise breakup for both the forest land and non-forest is required to be corrected and uploaded accordingly.

a. The correction is done online in part-I.

b. The compartment wise breakup is attached, As per WII recommendation RESA area reduced and high intensity tiger corridor area excluded from proposal therefore area reduced from 75.24 to 63.54 ha.

Thanking you.

With Regards,



(Gaurav S. Upshyam)

SR. Manager (RCS)

MADC, Nagpur.



COMPONENT WISE FOREST LAND USE AREA STATEMENT

<u>Sr. No</u>	<u>Component</u>	<u>Forest Land (Ha)</u>	<u>Non-Forest Land (Ha)</u>
1	Property Boundary Wall	0.067	-
2	Road	2.258	-
3	GSE Parking	0.36	-
4	Runway Strip	4.31	-
5	Isolated parking position	1.26	-
6	Perimeter Gate	0.025	-
7	RESA	2.16	-
8	Blast pad paved surface	0.27	-
9	Apron	1.123	-
10	Drain	0.397	-
11	Essential width for Taxi way and Runway	2.56	-
12	Safety Zone	10.81	-
13	Mandatory Civil Aviation Requirement	11.05	-
14	Aviation Clearance Zone	12.0	-
15	Basic Runway Strip	14.66	-
	<u>Total Area</u>	<u>63.31 Ha</u>	<u>216.19 Ha</u>

Note- Non-Forest Land Area is distributed accordingly to heads given.



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UNDERTAKING

The Authorized signatory of MADC Ltd, hereby submitting the undertaking with reference to diversion of 63.54 Ha Forest Land for Greenfield Airport at Murti and Vhirgaon village, Chandrapur.

Diversion area includes few FRA patta holders as per the information received from DyCF Central Chanda, Chandrapur. MADC is ready to pay compensation to the FRA patta holders as per the FRA Guidelines and R&R Plan decided by the District Collector, Chandrapur. R&R Plan will be submitted immediately after completion of process by District Administration.



Authorized Signatory

Gaurav S. Upshyam

(Gaurav S. Upshyam)
Sr. Manager R.C.S.,
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Compensatory Afforestation Area Suitability Certificate

This is certify that the following Non forest land of 65.00 ha.

S. No.	Range	Village	Round	Beat	C. No.	Area in Ha.
1	Ballarsha	Kem	Ballarsha	Kem	577	10.00
2	Ballarsha	Vishnupur	Manora	Vishnupur	567	25.00
3	Wirur	Kawadgondi	Dewada	Kawadgondi	313	10.00
4	Rajura	Murti	Vihirgaon	Murti	200	10.00
5	Rajura	Tulana	Tembhurwahi	Tulana	170	15.00
				Total	5	65.00

is suitable as compensatory land required to be given as alternate land for Compensatory Afforestation in lieu of Forest land required for the Greenfield Airport, Chandrapur at. Village Vihirgaon & Murti, Ta. Rajura in Dist – Chandrapur. The land is also suitable for afforestation and management purpose. The land is free from encroachment and other encumbrances.

Place - Chandrapur.

Date - 23/11/2022


(Swetha boddu)

Dy. Conservator of Forests,
Central Chanda Forest Division, Chandrapur

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COMPENSATORY AFFORESTATION SCHEME
Greenfield Airport, Chandrapur at Village Vihirgaon & Murli
Model No. 3

Division: Central Chanda, Chandrapur
Range: Ballarsha
Round: Manora
Beat: Vishnupur
Copartment No. : 567

Total Area (Ha.): 25.00
Spacement - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha.
Wages (Rs.): 445.19
Periferal Length (meter): 2160.00M

Sr. No.	Particulars of works	Expenditure per ha.			Expenditure for 25.00 ha.				
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	445.19	50.00	495.19	25.00	11129.75	1250.00	12379.75
	b. Preparation of treatment map (100 m 50 m grid)	1.00	445.19	50.00	495.19	25.00	11129.75	1250.00	12379.75
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	4451.90	50.00	4501.90	250.00	111297.50	12500.00	112347.50
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31.00	13800.89	0.00	13800.89	775.00	345022.25	0.00	345022.25
3	Alignment of 1200 rmt of CCT at 8 00 m spacment) (0.25 MID per 100 mt and M&S Rs. 40 per 100 mt)	3.00	1335.57	100.00	1435.57	75.00	33389.25	2500.00	35889.25
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down ward slope (1200 rmt per ha. - 0.15 per mt)	183.60	81756.88	0.00	81756.88	4590.00	2043422.10	0.00	2043422.10
5	Chaining And Fencing 2160 Mtr 1200 per rmt	170.00	75682.70	11755.07	87137.37	4250.00	1892057.50	295876.75	2185934.25
6	Alignment of pits at 3 0 x 3 0 m spacment 1111 pits per ha (Wages 0.13 MID and MS Rs. 2.24 per 50 pits)	2.89	1286.60	50.00	1336.60	72.25	32164.98	1250.00	33414.98
7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (0.60 MID per 100 pits)	73.33	32645.78	0.00	32645.78	1833.25	816144.57	0.00	816144.57
	Total	475.82	211830.31	12055.07	223885.38	11895.50	5295757.65	301376.75	5597154.40
	Contingency 3%						529575.765		167914.03
	Labour Welfare 4%						10591515.29		223885.38
	Grand Total	475.82	211830.31	12055.07	223885.38	11895.50	10591515.29	301376.75	5988933.80
B. First Year Operation									
1	Purchasing Tall Plants 1333 per Ha. @250 Per Plant	0.00	0.00	333250.00	333250.00	0.00	0.00	8331250.00	8331250.00
2	Refilling of pits with good quality soil	18.44	8209.30	9500.00	17709.30	461.00	205232.59	237500.00	442732.59
	a) 1.66 MID per 100 pits								
	b) 20% soil replacement, 20 cum per ha Rs 300 per cum								
	c) Filling 5% farm yard manure in pits 5 cum per ha Rs 700 per cum								
3	Sowing of seeds on CCT 1200 rmt 5 kg per ha @ Rs 50 per Kg	12.00	5342.28	325.00	5667.28	300.00	133557.00	8125.00	141682.00
4	Removal of weeds from CCT (1.20 MID per 100 rmt)	14.40	6410.74	0.00	6410.74	360.00	160268.40	0.00	160268.40
5	Planting of seedling 1111 per ha (1MID per 100 seedling)	19.11	8507.58	0.00	8507.58	477.75	212689.52	0.00	212689.52
6	3 seedlings and two soil workings 3.5 MID per 100 seedlings fertilizers application Rs.0.45 per seedling	38.88	17308.99	650.00	17938.99	972.00	432724.68	16250.00	448974.68
7	Planting 10% Casualty Plants 111 @250 per plant	0.00	0.00	27750.00	27750.00	0.00	0.00	693750.00	693750.00
8	Casualty replacement (20% 222 seedling per ha) (2 MID per 100 seedlings)	4.44	1976.64	0.00	1976.64	111.00	49416.09	0.00	49416.09
9	Watch and ward (10 months) 1 watcher per 10 ha	30.00	13555.70	0.00	13555.70	750.00	333892.50	0.00	333892.50

10	Fire tracing	2.00	890.38	0.00	890.38	50.00	22259.50	0.00	22259.50
	Total	139.27	62001.61	371475.00	433476.61	3481.75	1550040.28	9286875.00	10836915.28
	Contingency 3%								325107.40
	Labour Welfare 4%								433476.61
	Grand Total	139.27	62001.61	371475.00	433476.61	3481.75	1550040.28	9286875.00	11595499.35
C. Second Year Operation									
	1 Purchasing Tall Plants for 10% Casualty @250 Per Plant	0.00	0.00	27750.00	27750.00	0.00	0.00	693750.00	693750.00
	2 2 weeding and 1 soil working with fertilizer application at Rs. 0.45 per seedling	27.77	12362.93	650.00	13012.93	694.25	309073.16	16250.00	32523.16
	3 Casualty replacement (20% 222 seedling per ha) (2 MD per 100 seedlings)	4.44	1976.64	0.00	1976.64	111.00	49416.09	0.00	49416.09
	4 Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	912.50	406235.88	0.00	406235.88
	5 Fire tracing	2.00	890.38	0.00	890.38	50.00	22259.50	0.00	22259.50
	Total	70.71	31479.38	28400.00	59879.38	1767.75	786984.62	710000.00	1496984.62
	Contingency 3%								44909.54
	Labour Welfare 4%								59879.38
	Grand Total	70.71	31479.38	28400.00	59879.38	1767.75	786984.62	710000.00	1601775.55
D. Third Year Operations									
	1 One weeding 1 soil working (150MD per 100 seedlings)	16.67	7421.32	0.00	7421.32	416.75	185532.93	0.00	185532.93
	2 Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	912.50	406235.88	0.00	406235.88
	3 Fire tracing	2.00	890.38	0.00	890.38	50.00	22259.50	0.00	22259.50
	Total	55.17	24561.13	0.00	24561.13	1379.25	614028.31	0.00	614028.31
	Contingency 3%								18420.85
	Labour Welfare 4%								24561.13
	Grand Total	55.17	24561.13	0.00	24561.13	1379.25	614028.31	0.00	657010.29
E. Fourth Year Operations									
	1 Fire tracing	2.00	890.38	0.00	890.38	50.00	22259.50	0.00	22259.50
	2 Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	912.50	406235.88	0.00	406235.88
	Total	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38
	Contingency 3%								12854.86
	Labour Welfare 4%								17139.82
	Grand Total	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	458490.05
F. Fifth Year Operations									
	1 Fire tracing	2.00	890.38	0.00	890.38	50.00	22259.50	0.00	22259.50
	2 Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	912.50	406235.88	0.00	406235.88
	Total	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38
	Contingency 3%								12854.86
	Labour Welfare 4%								17139.82
	Grand Total	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	458490.05
G. Sixth Year Operations.									
	1 Fire tracing	2.00	890.38	0.00	890.38	50.00	22259.50	0.00	22259.50
	2 Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	912.50	406235.88	0.00	406235.88
	Total	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38
	Contingency 3%								12854.86
	Labour Welfare 4%								17139.82
	Grand Total	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	458490.05

II. Seventh Year Operations											
1	Fire trenching		2.00	890.38	0.00		890.38	50.00	22259.50	0.00	22259.50
2	Watch and ward 12 months watcher 10.00 ha		36.50	16249.44	0.00		16249.44	912.50	406235.88	0.00	406235.88
	Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	428495.38
	Contingency 3%										12854.86
	Labour Welfare 4%										17139.82
	Grand Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	458490.05
I. Eighth Year Operations											
1	Fire trenching		2.00	890.38	0.00		890.38	50.00	22259.50	0.00	22259.50
2	Watch and ward 12 months watcher 10.00 ha		36.50	16249.44	0.00		16249.44	912.50	406235.88	0.00	406235.88
	Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	428495.38
	Contingency 3%										12854.86
	Labour Welfare 4%										17139.82
	Grand Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	458490.05
J. Ninth Year Operations											
1	Fire trenching		2.00	890.38	0.00		890.38	50.00	22259.50	0.00	22259.50
2	Watch and ward 12 months watcher 10.00 ha		36.50	16249.44	0.00		16249.44	912.50	406235.88	0.00	406235.88
	Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	428495.38
	Contingency 3%										12854.86
	Labour Welfare 4%										17139.82
	Grand Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	458490.05
K. Tenth Year Operations											
1	Fire trenching		2.00	890.38	0.00		890.38	50.00	22259.50	0.00	22259.50
2	Watch and ward 12 months watcher 10.00 ha		36.50	16249.44	0.00		16249.44	912.50	406235.88	0.00	406235.88
	Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	428495.38
	Contingency 3%										12854.86
	Labour Welfare 4%										17139.82
	Grand Total		38.50	17139.82	0.00		17139.82	962.50	428495.38	0.00	458490.05

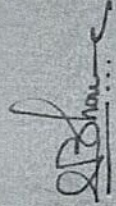
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 Range Forest Officer
 Ballarsha

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ABSTRACT

Sr. No.	Year of Operation	Expenditure per ha.				Expenditure for 25.00 ha.						
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)	Contingency 3%	Labour Welfare 4%	Grand Total
1	Pre-Monsoon works	475.82	211830.31	12035.07	223865.38	11895.50	5295757.65	301376.75	5597134.40	167914.03	223885.38	5988953.80
2	First Year Operation	139.27	62001.01	371475.00	433476.61	3481.75	1550040.28	9286875.00	10836915.28	325107.46	433476.61	11595499.35
3	Second Year Operation	70.71	31479.38	28400.00	59879.38	1767.75	786984.62	710000.00	1496984.62	44909.54	59879.38	1601773.55
4	Third Year Operation	55.17	24561.13	0.00	24561.13	1379.25	614028.31	0.00	614028.31	18420.85	24561.13	657010.29
5	Fourth Year Operation	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38	12854.86	17139.82	458490.05
6	Fifth Year Operation	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38	12854.86	17139.82	458490.05
7	Sixth Year Operation	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38	12854.86	17139.82	458490.05
8	Seventh Year Operation	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38	12854.86	17139.82	458490.05
9	Eighth Year Operation	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38	12854.86	17139.82	458490.05
10	Ninth Year Operation	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38	12854.86	17139.82	458490.05
11	Tenth Year Operation	38.50	17139.82	0.00	17139.82	962.50	428495.38	0.00	428495.38	12854.86	17139.82	458490.05
		1010.47	449851.14	411930.07	861781.21	25261.75	11246278.48	10298251.75	21544530.23	640335.91	861781.21	23052647.35
											Grand Total	23052647.00


Range Forest Officer
Ballaraha



COMPENSATORY AFFORESTATION SCHEME
Greenfield Airport, Chandrapur at Village Vihirgaon & Murti
Model No. 3

Division: Central Chanda, Chandrapur
Range: Ballarsha
Round: Kalamana
Beat: Kem
Copartment No.: 577

Total Area (Ha.): 10.00
Spacement - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha.
Wages (Rs.): 445.19
Periferal Length (meter): 2160.00M

Sr. No.	Particulars of works	Expenditure per ha.			Expenditure for 10.00 ha.				
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	445.19	50.00	495.19	10.00	4451.90	500.00	4951.90
	b. Preparation of treatment map (100 m 50 m grid)	1.00	445.19	50.00	495.19	10.00	4451.90	500.00	4951.90
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	4451.90	50.00	4501.90	100.00	44519.00	500.00	45019.00
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc	31.00	13800.89	0.00	13800.89	310.00	138008.90	0.00	138008.90
3	Alignment of 1200 rmt of CCT at 8.00 m spacing) (0.25 M D per 100 rmt and M&S Rs. 40 per 100 rmt)	3.00	1335.57	100.00	1435.57	30.00	13355.70	1000.00	14355.70
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down ward slope (1200 rmt per ha - 0.15 per rmt)	183.60	81736.88	0.00	81736.88	1836.00	817368.84	0.00	817368.84
5	Chaining And Fencing 2160 Mtr 1200 per rmt	170.00	75682.30	11755.07	87437.37	1700.00	756823.00	117550.70	874373.70
6	Alignment of pits at 3.0 x 3.0 m spacing 1111 pits per ha (Wages 0.13 M D and MS Rs. 2.24 per 50 pits)	2.89	1286.00	50.00	1336.00	28.90	12865.99	500.00	13365.99
7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (0.60 M D per 100 pits)	73.33	32645.78	0.00	32645.78	733.30	326457.83	0.00	326457.83
	Total	475.82	211830.31	12055.07	223885.38	4758.20	2118303.06	120550.70	2238853.76
	Contingency 3%						2118303.06		67165.61
	Labour Welfare 4%								89554.15
	Grand Total	475.82	211830.31	12055.07	223885.38	4758.20	4236606.12	120550.70	2395573.52
B. First Year Operation									
1	Purchasing Tall Plants 1333 per Ha. @250 Per Plant	0.00	0.00	333250.00	333250.00	0.00	0.00	3332500.00	3332500.00
2	Refilling of pits with good quality soil a) 1.66 MD per 100 pits b) 20% soil replacement . 20 cum per ha Rs. 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs. 700 per cum	18.44	8209.30	9500.00	17709.30	184.40	82093.04	95000.00	177093.04
3	Sowing of seeds on CCT (1200 rmt 5 kg per ha @ Rs. 50 per Kg	12.00	5342.28	325.00	5667.28	120.00	53422.80	3250.00	56672.80
4	Removal of weeds from CCT (1.20 MD per 100 rmt)	14.40	6410.74	0.00	6410.74	144.00	64107.36	0.00	64107.36
5	Planting of seedling 1111 per ha (1MD per 100 seedling)	19.11	8507.58	0.00	8507.58	191.10	85075.81	0.00	85075.81
6	3. seedlings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	38.88	17308.99	650.00	17958.99	388.80	173089.87	6500.00	179589.87
7	Purchasing 10% Casualty Plants 111 @250 per plant	0.00	0.00	27750.00	27750.00	0.00	0.00	277500.00	277500.00
8	Casualty replacement (20% 222 seedling per ha) (2 M D per 100 seedlings)	4.44	1976.64	0.00	1976.64	44.40	19766.44	0.00	19766.44
9	Watch and ward (10 months) 1 watcher per 10 ha	30.00	13355.70	0.00	13355.70	300.00	133557.00	0.00	133557.00

10	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4334766.11
	Contingency 3%								130042.98
	Labour Welfare 4%								173392.64
	Grand Total	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4638199.74
C. Second Year Operation									
1	Purchasing Tall Plants for 10% Casualty @250 Per Plant	0.00	0.00	27750.00	27750.00	0.00	0.00	277500.00	277500.00
2	weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	27.77	12362.93	650.00	13012.93	277.70	123629.26	6500.00	130129.26
3	Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1976.64	0.00	1976.64	44.40	19766.44	0.00	19766.44
4	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
5	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	598793.85
	Contingency 3%								17961.82
	Labour Welfare 4%								23951.75
	Grand Total	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	640709.42
D. Third Year Operations									
1	One weeding 1 soil working (150MD per 100 seedlings)	16.67	7421.32	0.00	7421.32	166.70	74213.17	0.00	74213.17
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
3	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	245611.32
	Contingency 3%								7368.34
	Labour Welfare 4%								9824.45
	Grand Total	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	262804.12
E. Fourth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.93
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
F. Fifth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.93
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
G. Sixth Year Operations.									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.93
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02

II. Seventh Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
I. Eighth Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
J. Ninth Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
K. Tenth Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02

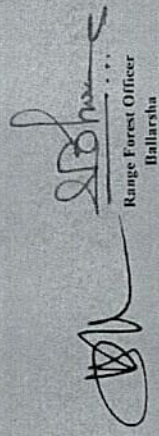
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Range Forest Officer
Ballarsha

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ABSTRACT

Sr. No.	Year of Operation	Expenditure per ha.						Expenditure for 10.00 ha.					
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)	Contingency 3%	Labour Welfare 4%	Grand Total	
1	Pre-Monsoon works	475.82	211830.31	12055.07	223885.38	4758.20	2118303.06	120550.70	2238853.76	67163.61	89554.15	2395373.52	
2	First Year Operation	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4334766.11	130042.98	173390.64	4638199.74	
3	Second Year Operation	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	598793.85	17963.82	23951.75	640709.42	
4	Third Year Operation	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	245611.32	7368.34	9824.45	262864.12	
5	Fourth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02	
6	Fifth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02	
7	Sixth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02	
8	Seventh Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02	
9	Eighth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02	
10	Ninth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02	
11	Tenth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02	
		1010.47	449851.14	411930.07	861781.21	10104.70	4498511.39	4119300.70	8617812.09	258534.36	344712.48	9221058.94	
											Grand Total	9221059.00	


 Range Forest Officer
 Ballarsha

COMPENSATORY AFFORESTATION SCHEME
Greenfield Airport, Chandrapur at Village Vihirgaon & Murti
Model No. 3

Division: Central Chanda, Chandrapur
Range: Wirur
Round: Dewada
Beat: Kawad gondi
Copartment No.: 313

Total Area (Ha.): 10.00
Spacement - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha.
Wages (Rs.): 445.19
Periferal Length (meter): 2160.00M

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 10.00 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	445.19	50.00	495.19	10.00	4451.90	500.00	4951.90
	b. Preparation of treatment map (100 m x 30 m grid)	1.00	445.19	50.00	495.19	10.00	4451.90	500.00	4951.90
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	4451.90	50.00	4501.90	100.00	44519.00	500.00	45019.00
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc	31.00	13800.89	0.00	13800.89	310.00	138008.90	0.00	138008.90
3	Alignment of 1200 rmt of CCT at 8.00 m spacement (0.25 M D per 100 rmt and N&S Rs. 40 per 100 rmt)	3.00	1335.57	100.00	1435.57	30.00	13355.70	1000.00	14355.70
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down ward slope (1200 rmt per ha - 0.15 per rmt)	183.60	81736.88	0.00	81736.88	1836.00	817368.84	0.00	817368.84
5	Chaining And Fencing 2160 Mtr 1200 per rmt	170.00	75682.30	11755.07	87437.37	1700.00	756823.00	117550.70	874373.70
6	Alignment of pits at 3.0 x 3.0 m spacement 1111 pits per ha (Wages 0.13 M D and MS Rs. 2.24 per 50 pits)	2.89	1286.60	50.00	1336.60	28.90	12865.99	500.00	13365.99
7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (6.60 M D per 100 pits)	73.33	32645.78	0.00	32645.78	733.30	326457.83	0.00	326457.83
	Total	475.82	211830.31	12055.07	223885.38	4758.20	2118303.06	120550.70	2238853.76
	Contingency 3%						2118303.06		67165.61
	Labour Welfare 4%								89554.15
	Grand Total	475.82	211830.31	12055.07	223885.38	4758.20	4236606.12	120550.70	2395573.52
B. First Year Operation									
1	Purchasing Tall Plants 1333 per Ha @250 Per Plant	0.00	0.00	333250.00	333250.00	0.00	0.00	3332500.00	3332500.00
2	Refring of pits with good quality soil a) 1.66 M D per 100 pits b) 30% soil replacement. 20 cum per ha Rs. 300 per cum c) Filling 5% farm yard manure in pits 5 cum per ha Rs. 760 per cum	18.44	8209.30	9500.00	17709.30	184.40	82093.04	95000.00	177093.04
3	Sowing of seeds on CCT (1200 rmt 5 kg per ha @ Rs. 50 per kg)	12.00	5342.28	325.00	5667.28	120.00	53422.80	3250.00	56672.80
4	Removal of weeds from CCT (1.20 M D per 100 rmt)	14.40	6410.74	0.00	6410.74	144.00	64107.36	0.00	64107.36
5	Planting of seedling 1111 per ha (M D per 100 seedling)	19.11	8507.58	0.00	8507.58	191.10	85075.81	0.00	85075.81
6	3 seedlings and two soil workings 3.5 M D per 100 seedlings fertilizers application Rs. 0.45 per seedling)	38.88	17308.99	650.00	17958.99	388.80	173089.87	6500.00	179589.87
7	Purchasing 10% Casualty Plants 111 @250 per plant	0.00	0.00	27750.00	27750.00	0.00	0.00	277500.00	277500.00
8	Casualty replacement (20% 222 seedling per ha) (2 M D per 100 seedlings)	4.44	1976.64	0.00	1976.64	44.40	19766.44	0.00	19766.44
9	Watch and ward (10 months) 1 watcher per 10 ha	30.00	13355.70	0.00	13355.70	300.00	133557.00	0.00	133557.00

10	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4334766.11
	Contingency 3%								130042.98
	Labour Welfare 4%								173390.64
	Grand Total	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4638197.74
C. Second Year Operation									
1	Purchasing Tall Plants for 10% Casualty @250 Per Plant	0.00	0.00	27750.00	27750.00	0.00	0.00	27750.00	27750.00
2	weeding and 1 soil working, with fertilizer application at Rs 0.45 per seedling	27.77	12362.93	650.00	13012.93	277.70	123629.26	6500.00	130129.26
3	Casualty replacement (20% 222 seedling per ha) (2 MID per 100 seedlings)	4.44	1976.64	0.00	1976.64	44.40	19766.44	0.00	19766.44
4	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
5	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	598793.85
	Contingency 3%								17963.82
	Labour Welfare 4%								23951.75
	Grand Total	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	640709.42
D. Third Year Operations									
1	One weeding 1 soil working (1.50MID per 100 seedlings)	16.67	7421.32	0.00	7421.32	166.70	74213.17	0.00	74213.17
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
3	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	245611.32
	Contingency 3%								7568.34
	Labour Welfare 4%								9824.45
	Grand Total	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	262804.12
E. Fourth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.95
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
F. Fifth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.95
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
G. Sixth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.95
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02

10	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4334766.11
	Contingency 3%								130042.98
	Labour Welfare 4%								173390.64
	Grand Total	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4638197.74
C. Second Year Operation									
1	Purchasing Tall Plants for 10% Casualty @250 Per Plant	0.00	0.00	27750.00	27750.00	0.00	0.00	27750.00	27750.00
2	weeding and 1 soil working, with fertilizer application at Rs 0.45 per seedling	27.77	12362.93	650.00	13012.93	277.70	123629.26	6500.00	130129.26
3	Casualty replacement (20% 222 seedling per ha) (2 MID per 100 seedlings)	4.44	1976.64	0.00	1976.64	44.40	19766.44	0.00	19766.44
4	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
5	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	598793.85
	Contingency 3%								17963.82
	Labour Welfare 4%								23951.75
	Grand Total	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	640709.42
D. Third Year Operations									
1	One weeding 1 soil working (1.50MID per 100 seedlings)	16.67	7421.32	0.00	7421.32	166.70	74213.17	0.00	74213.17
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
3	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
	Total	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	245611.32
	Contingency 3%								7568.34
	Labour Welfare 4%								9824.45
	Grand Total	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	262804.12
E. Fourth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.95
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
F. Fifth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.95
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
G. Sixth Year Operations									
1	Fire tracing	2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%								5141.94
	Labour Welfare 4%								6855.95
	Grand Total	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02

H. Seventh Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
I. Eighth Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
J. Ninth Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02
K. Tenth Year Operations										
1	Fire trenching		2.00	890.38	0.00	890.38	20.00	8903.80	0.00	8903.80
2	Watch and ward 12 months 1 watcher 10.00 ha		36.50	16249.44	0.00	16249.44	365.00	162494.35	0.00	162494.35
	Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15
	Contingency 3%									5141.94
	Labour Welfare 4%									6855.93
	Grand Total		38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	183396.02

9221058.94

Signature
Range Forest Officer
Wirur

Signature
Dy. Conservator of Forests
Central Chanda Division
Chandrapur

Signature
उपविभागीय वन अधिकारी
राजुर

ABSTRACT

Sr. No.	Year of Operation	Expenditure per ha.					Expenditure for 10.00 ha.					
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)	Contingency 3%	Labour Welfare 4%	Grand Total
1	Pre-Monsoon works	475.82	211830.31	12055.07	223885.38	4758.20	2118303.06	120550.70	2238853.76	67165.61	89554.15	2195573.52
2	First Year Operation	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4334766.11	130042.98	173390.64	4638199.74
3	Second Year Operation	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	598793.85	17963.82	23951.75	640709.42
4	Third Year Operation	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	245611.32	7368.34	9824.45	262804.12
5	Fourth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
6	Fifth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
7	Sixth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
8	Seventh Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
9	Eighth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
10	Ninth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.945	6855.93	183396.02
11	Tenth Year Operation	1010.47	449851.14	411930.07	861781.21	10104.70	4498511.39	4119300.70	8617812.09	258534.36	344712.48	9221058.94
Grand Total											9221059.00	

Opastan
Range Forest Officer
Lahore

(Sd/-) Shafiq Boddan
Dy. Conservator of Forests
Central Chanda Division,
Chandrapur

राजपुर
अपरिचारिक वन अधीक्षक
राजपुर

COMPENSATORY AFFORESTATION SCHEME
Greenfield Airport, Chandrapur at Village Vihirgaon & Murti
Model No. 3

Division: Central Chanda, Chandrapur
Range: Rajura
Round: Tembhurwahi
Beat: Tulana
Copmartment No. : 170

Total Area (Ha.): 15.00
Spacing - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha.
Wages (Rs.): 445.19
Periferal Length (meter): 1680.00M

Sr. No.	Particulars of works	Expenditure per ha.			Expenditure for 15.00 ha.				
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation.	1 00	445.19	50.00	495.19	15 00	6677.85	750.00	7427.85
	b. Preparation of treatment map (100 m 50 m grid)	1 00	445.19	50.00	495.19	15 00	6677.85	750.00	7427.85
	c. Clearing of bushes and preparation of site (As per requirement)	10 00	4451.90	50.00	4501.90	150 00	66778.50	750.00	67228.50
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31 00	13800.89	0.00	13800.89	465 00	207013.35	0.00	207013.35
3	Alignment of 1200 mt. of CCT at 8 00 m spacing) (0.25 M.D per 100 mt and M&S. Rs. 40 per 100 mt)	3 00	1335.57	100.00	1435.57	45 00	20033.55	1500.00	21533.55
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down ward slope (1200 mt per ha. - 0.15 per mt)	183 60	81736.88	0.00	81736.88	2754 00	1226053.26	0.00	1226053.26
5	Chaining And Fencing (680 Mtr 1200 per mt)	170 00	75682.30	11755.07	87437.37	2250 00	1133234.50	176326.05	1311560.55
6	Alignment of pits at 3.0 x 3.0 m spacing 1111 pits per ha (Wages 0.15 M.D and MS. Rs. 2.24 per 50 pits)	2 89	1286.60	50.00	1336.60	43 35	19298.99	750.00	20048.99
7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (6.60 M.D per 100 pits)	73 33	32645.78	0.00	32645.78	1099 95	489686.74	0.00	489686.74
	Total	475.82	211830.31	12055.07	223885.38	7137.30	3177454.59	180826.05	3350280.64
	Contingency 3%								
	Labour Welfare 4%								
	Grand Total	475.82	211830.31	12055.07	223885.38	7137.30	3177454.59	180826.05	3350280.64

B. First Year Operation									
Sr. No.	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
1	Purchasing Tall Plants 1333 per Ha @250 Per Plant	0 00	0 00	133250 00	332250 00	0 00	0 00	4998750 00	4998750 00
2	Refilling of pits with good quality soil a) 1.66 MD per 100 pits b) 20% soil replacement. 20 cum per ha Rs. 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs 200 per cum	18 44	8209 30	9500 00	17709 30	276 60	123159 55	142500 00	263639 55
3	Sowing of seeds on CCT 1200 mt 5 kg per ha @ Rs 50 per kg	12 00	544 28	325 00	5667 28	180 00	80134 20	4875 00	85009 20
4	Removal of weeds from CCT (1.20 MD per 100 mt)	14 40	6410 74	0 00	6410 74	216 00	9616 04	0 00	9616 04
5	Planting of seedling 1111 per ha (1 MD per 100 seedling)	19 11	8507 58	0 00	8507 58	286 65	127613 71	0 00	127613 71
6	3 seedlings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	38 88	17308 99	650 00	17958 99	583 20	259634 81	9750 00	269384 81
7	Purchasing 10% Casualty Plants 111 @250 per plant	0 00	0 00	27750 00	27750 00	0 00	0 00	416250 00	416250 00

8	Casualty replacement (20% 222 seedling per ha) (2 M D per 100 seedlings)	4.44	1976.64	0.00	1976.64	66.60	29649.65	0.00	29649.65
9	Watch and ward (10 months) 1 watcher per 10 ha	30.00	13355.70	0.00	13355.70	450.00	200335.50	0.00	200335.50
10	Fire tracing	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
	Total	139.27	62001.61	371475.00	433476.61	2089.05	930024.17	5572125.00	6502149.17
	Contingency 3%								195064.48
	Labour Welfare 4%								266085.97
	Grand Total	139.27	62001.61	371475.00	433476.61	2089.05	930024.17	5572125.00	6957299.61

C. Second Year Operation

1	Purchasing Tall Plants for 10% Casualty @250 Per Plant	0.00	0.00	27750.00	27750.00	0.00	0.00	416250.00	416250.00
2	weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	27.77	12462.93	650.00	13012.93	416.55	185443.89	9750.00	195193.89
3	Casualty replacement (20% 222 seedling per ha) (2 M D per 100 seedlings)	4.44	1976.64	0.00	1976.64	66.60	29649.65	0.00	29649.65
4	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
5	Fire tracing	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
	Total	70.71	31479.38	28400.00	59879.38	1060.65	472190.77	426000.00	898190.77
	Contingency 3%								26945.72
	Labour Welfare 4%								35927.63
	Grand Total	70.71	31479.38	28400.00	59879.38	1060.65	472190.77	426000.00	961064.13

D. Third Year Operations

1	One weeding 1 soil working (1.50MD per 100 seedlings)	16.67	7421.32	0.00	7421.32	250.05	111319.76	0.00	111319.76
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
3	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
	Total	55.17	24561.13	0.00	24561.13	827.55	368416.98	0.00	368416.98
	Contingency 3%								11052.51
	Labour Welfare 4%								14736.68
	Grand Total	55.17	24561.13	0.00	24561.13	827.55	368416.98	0.00	394206.17

E. Fourth Year Operations

1	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
	Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	257097.23
	Contingency 3%								7712.92
	Labour Welfare 4%								10283.89
	Grand Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	275094.03

F. Fifth Year Operations

1	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
	Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	257097.23
	Contingency 3%								7712.92
	Labour Welfare 4%								10283.89
	Grand Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	275094.03

G. Sixth Year Operations									
1	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
	Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	257097.23
	Contingency 3%								7712.92
	Labour Welfare 4%								10283.89
	Grand Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	275094.03

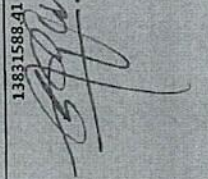
H. Seventh Year Operations									
1	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
	Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	257097.23
	Contingency 3%								7712.92
	Labour Welfare 4%								10283.89
	Grand Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	275094.03

I. Eighth Year Operations									
1	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
	Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	257097.23
	Contingency 3%								7712.92
	Labour Welfare 4%								10283.89
	Grand Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	275094.03

J. Ninth Year Operations									
1	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
	Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	257097.23
	Contingency 3%								7712.92
	Labour Welfare 4%								10283.89
	Grand Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	275094.03

K. Tenth Year Operations									
1	Fire trenching	2.00	890.38	0.00	890.38	30.00	13355.70	0.00	13355.70
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	16249.44	0.00	16249.44	547.50	243741.53	0.00	243741.53
	Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	257097.23
	Contingency 3%								7712.92
	Labour Welfare 4%								10283.89
	Grand Total	38.50	17139.82	0.00	17139.82	577.50	257097.23	0.00	275094.03

13831588.41



S. We have
 Dy. Conservator of Forests
 Central Chanda Division, उपवािभागीय वन अिभािष

ABSTRACT

Sr. No.	Year of Operation	Expenditure per ha.				Expenditure for 15.00 ha.						
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs.)	Contingency 3%	Labour Welfare 4%	Grand Total
1	Pre-Monsoon works	475.82	211830.3058	12055.07	223885.3758	7137.30	3177454.59	180826.05	3358280.64	100748.42	134331.23	3592360.28
2	First Year Operation	139.27	62001.6113	371475.00	434476.6113	2089.05	930024.17	5572125	6502149.17	195064.45	260085.97	6957299.61
3	Second Year Operation	70.71	31479.3849	28400.00	59879.3849	1060.65	472190.77	426000	898190.77	26945.72	35927.63	961064.13
4	Third Year Operation	55.17	24561.1323	0.00	24561.1323	827.55	368416.98	0	368416.98	11052.51	14736.68	394206.17
5	Fourth Year Operation	38.50	17139.815	0.00	17139.815	577.50	257097.23	0	257097.23	7712.92	10283.89	275094.03
6	Fifth Year Operation	38.50	17139.815	0.00	17139.815	577.50	257097.23	0	257097.23	7712.92	10283.89	275094.03
7	Sixth Year Operation	38.50	17139.815	0.00	17139.815	577.50	257097.23	0	257097.23	7712.92	10283.89	275094.03
8	Seventh Year Operation	38.50	17139.815	0.00	17139.815	577.50	257097.23	0	257097.23	7712.92	10283.89	275094.03
9	Eighth Year Operation	38.50	17139.815	0.00	17139.815	577.50	257097.23	0	257097.23	7712.92	10283.89	275094.03
10	Ninth Year Operation	38.50	17139.815	0.00	17139.815	577.50	257097.23	0	257097.23	7712.91675	10283.89	275094.03
11	Tenth Year Operation	38.50	17139.815	0.00	17139.815	577.50	257097.23	0	257097.23	387801.54	517068.73	13831588.41
		1010.47	449851.14	411930.07	861781.21	15157.05	6747767.09	6178951.05	12926718.14			13831588.00
											Grand Total	13831588.00

[Signature]
Range Forest Officer
Rajpura

[Signature]
उपविभागीय वन अधिकारी
राजपुर

[Signature]
Dy. Conservator of Forests
Central Chanda Division,
Chandrapur

COMPENSATORY AFFORESTATION SCHEME
Greenfield Airport, Chandrapur at Village Vihirgaon & Murti
Model No. 3

Division - Central Chanda Division, Chandrapur
 Range - Rajura
 Round - Vihirgaon
 Beat - Murti
 Com. No - 200

Area 10.00 Ha
 Spacement 3.00m x3.00m
 Size Of Pits 0.45x0.45x0.45m
 No of Seedling 1111 per ha
 Wages Rate 445.19 per day
 Periferal Length (meter) 1500.00

Sr. No	Particulars of Works	Per Hectore				Expenditure for 10.00 ha.
		Mandays	Wages	Material Supply	Total (Rs. Per Ha.)	
1	2	3	4	5	6	7
A. Pre Mansoon Works PPO/PYO						
1	Survey and Demarcation	1.00	445.19	50.00	495.19	4951.90
2	Preparation of treatment map (100 m X 50 m grid)	1.00	445.19	50.00	495.19	4951.90
3	Cleaning of bushes and preparation of site (As per requirement)	10.00	4451.90	50.00	4501.90	45019.00
4	Soil and Moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	13800.89	0.00	13800.89	138008.90
5	Alignment of 1200 rmt of CCT at 8.00 m Spacement (0.25 M.D. per 100 rmt and M & S Rs. 40 per 100 rmt)	3.00	1335.57	100.00	1435.57	14355.70
6	Digging of CCT of zize 60 cm width and 45 cm depth including stacking of soil at down word slope (1200 rmt per ha. 0.15 per rmt)	183.60	81736.88	0.00	81736.88	817368.84
7	Chainling and fencing 1500 Mtr 1200 Per RMT	170.00	75682.30	11755.07	87437.37	874373.70
8	Aligement of pits at 3.0 X 3.0 m spacement. 1111 pits per Ha (0.13 M.D. and M & S @ rs. 2.24 per 50 pits.	2.89	1286.60	50.00	1336.60	13365.99
9	Digging of pits of size 0.45 X 0.45 X 0.45 m (1111 pits per ha) 6.60 MD per 100 pits	73.33	32645.78	0.00	32645.78	326457.83
	Total	475.82	211830.31	12055.07	223885.38	2238853.76
	Contingency 3%				6716.56	67165.61
	Labour Welfare 4%				8955.42	89554.15
	Grand Total				239557.35	2395573.52
B. First Year Operations						
1	Purchasing Tall Plants 1333 per Ha @250 per plant	0	0.00	333250.00	333250.00	3332500
2	Refilling of pits with good quality soil a) wages 1.66 M.D. per 100 pits b) 20% soil replacement 20 cum per ha. Rs. 300/- per cum c) Filling 5% farm yard manure in pits. 5 cum per ha. Rs. 700/- per cum	18.44	8209.30	9500.00	17709.30	177093.036
3	Sowing of seeds on CCT. 1200 rmt. 5 kg per ha @ Rs. 50 per kg	12.00	5342.28	325.00	5667.28	56672.8
4	Removal of weeds from CCT (1.20 M.D. per 100 rmt)	14.40	6410.74	0.00	6410.74	64107.36
5	Planting of seedling. 1111 per ha (1.00 M.D. per 100 seedlings.)	19.11	8507.58	0.00	8507.58	85075.809
6	3 weedings and 2 Soil workings (3.50 M.D. per 100 seedlings) fertilizer application Rs. 0.45 per seedling.	38.88	17308.99	650.00	17958.99	179589.872
7	Purcheshing 10% Casualty Plants 1111 per ha.	0	0.00	27750.00	27750.00	277500.00
8	Casualty Replacement (20% 222 Seedling per ha.)(2 MD per p 100 Seedling)	4.44	1976.64	0.00	1976.64	19766.44
9	Watch and ward 10 months - 1 watcher per 10.00 ha	30.00	13355.70	0.00	13355.70	133557
10	Fire tracing	2.00	890.38	0.00	890.38	8903.8
	Total	139.27	62001.61	371475.00	433476.61	4334766.11
	Contingency 3%				13004.30	130042.98
	Labour Welfare 4%				17339.06	173390.64
	Grand Total				463819.97	4638199.74

C. Second Year Operations

1	Purchasing Tall Plants for 10% Casulty @250 per plant	0	0.00	27750.00	27750.00	277500.00
2	2 Weeding and 1 Soil Working, with fertilizer application at Rs. 0.45 per seedling	27.77	12362.93	650.00	13012.93	130129.26
3	Casulty Replacement (20% 222 Seedling per ha.)(2 MD per 100 Seedling)	4.44	1976.64	0.00	1976.64	19766.44
4	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
5	Fire tracing	2.00	890.38	0.00	890.38	8903.80
	Total	70.71	31479.38	28400.00	59879.38	598793.85
	Contingency 3%				1796.38	17963.82
	Labour Welfare 4%				2395.18	23951.75
	Grand Total				64070.94	640709.42

D. Third Year Operations

1	1 Weeding and 1 Soil Working (1.50 M.D. per 100 seedlings)	16.67	7421.32	0.00	7421.32	74213.17
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
3	Fire tracing	2.00	890.38	0.00	890.38	8903.80
	Total	55.17	24561.13	0.00	24561.13	245611.33
	Contingency 3%				736.83	7368.34
	Labour Welfare 4%				982.45	9824.45
	Grand Total				26280.41	262804.12

E. Fourth Year Operations

1	Fire tracing	2.00	890.38	0.00	890.38	8903.80
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
	Total	38.50	17139.82	0.00	17139.82	171398.15
	Contingency 3%				514.19	5141.94
	Labour Welfare 4%				685.59	6855.93
	Grand Total				18339.60	183396.02

F. Fifth Year Operations

1	Fire tracing	2.00	890.38	0.00	890.38	8903.80
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
	Total	38.50	17139.82	0.00	17139.82	171398.15
	Contingency 3%				514.19	5141.94
	Labour Welfare 4%				685.59	6855.93
	Grand Total				18339.60	183396.02

G. Sixth Year Operations

1	Fire tracing	2.00	890.38	0.00	890.38	8903.80
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
	Total	38.50	17139.82	0.00	17139.82	171398.15
	Contingency 3%				514.19	5141.94
	Labour Welfare 4%				685.59	6855.93
	Grand Total				18339.60	183396.02

H. Seventh Year Operations

1	Fire tracing	2.00	890.38	0.00	890.38	8903.80
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
	Total	38.50	17139.82	0.00	17139.82	171398.15
	Contingency 3%				514.19	5141.94
	Labour Welfare 4%				685.59	6855.93
	Grand Total				18339.60	183396.02

Abstract

Sl. No.	Year Of Operation	Expenditure Per Ha.					Expenditure for 10.00 Ha					
		Man Days	Wages	Material Supply	Total	Man Days	Wages	Material Supply	Total	Contingency 3%	Labour Welfare 4%	Grand Total
1	Pre Monsoon Work	475.82	211830.31	12055.07	223885.38	4758.20	2118303.06	120550.70	2238853.76	67165.61	89554.15	2395573.52
2	First Year Operation	139.27	62001.61	371475.00	433476.61	1392.70	620016.11	3714750.00	4334766.11	130042.98	173390.64	4638199.74
3	Secound Year Operation	70.71	31479.38	28400.00	59879.38	707.10	314793.85	284000.00	598793.85	17963.82	23951.75	640709.42
4	Third Year Operation	55.17	24561.13	0.00	24561.13	551.70	245611.32	0.00	245611.32	7368.34	9824.45	262804.12
5	Fourth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
6	Fifth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
7	Sixth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
8	Seventh Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
9	Eight Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
10	Nineth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
11	Tenth Year Operation	38.50	17139.82	0.00	17139.82	385.00	171398.15	0.00	171398.15	5141.94	6855.93	183396.02
	Total	1010.47	449851.139	411930.07	861781.2093	10104.70	4498511.39	4119300.70	8617812.09	258534.363	344712.4837	9221058.94

Range Forest Officer
Rajpura (T.)

उपविभागीय वन अधिकारी
राजपुर

Dy. Conservator of Forests
Central Chanda Division,
Chandrapur

147

I. Eighth Year Operations

1	Fire tracing	2.00	890.38	0.00	890.38	8903.80
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
	Total	38.50	17139.82	0.00	17139.82	171398.15
	Contingency 3%				514.19	5141.94
	Labour Welfare 4%				685.59	6855.93
	Grand Total				18339.60	183396.02

J. Ninth Year Operations

1	Fire tracing	2.00	890.38	0.00	890.38	8903.80
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
	Total	38.50	17139.82	0.00	17139.82	171398.15
	Contingency 3%				514.19	5141.94
	Labour Welfare 4%				685.59	6855.93
	Grand Total				18339.60	183396.02

K. Tenth Year Operations

1	Fire tracing	2.00	890.38	0.00	890.38	8903.80
2	Watch and ward 12 months - 1 watcher per 10.00 ha	36.50	16249.44	0.00	16249.44	162494.35
	Total	38.50	17139.82	0.00	17139.82	171398.15
	Contingency 3%				514.19	5141.94
	Labour Welfare 4%				685.59	6855.93
	Grand Total				18339.60	183396.02

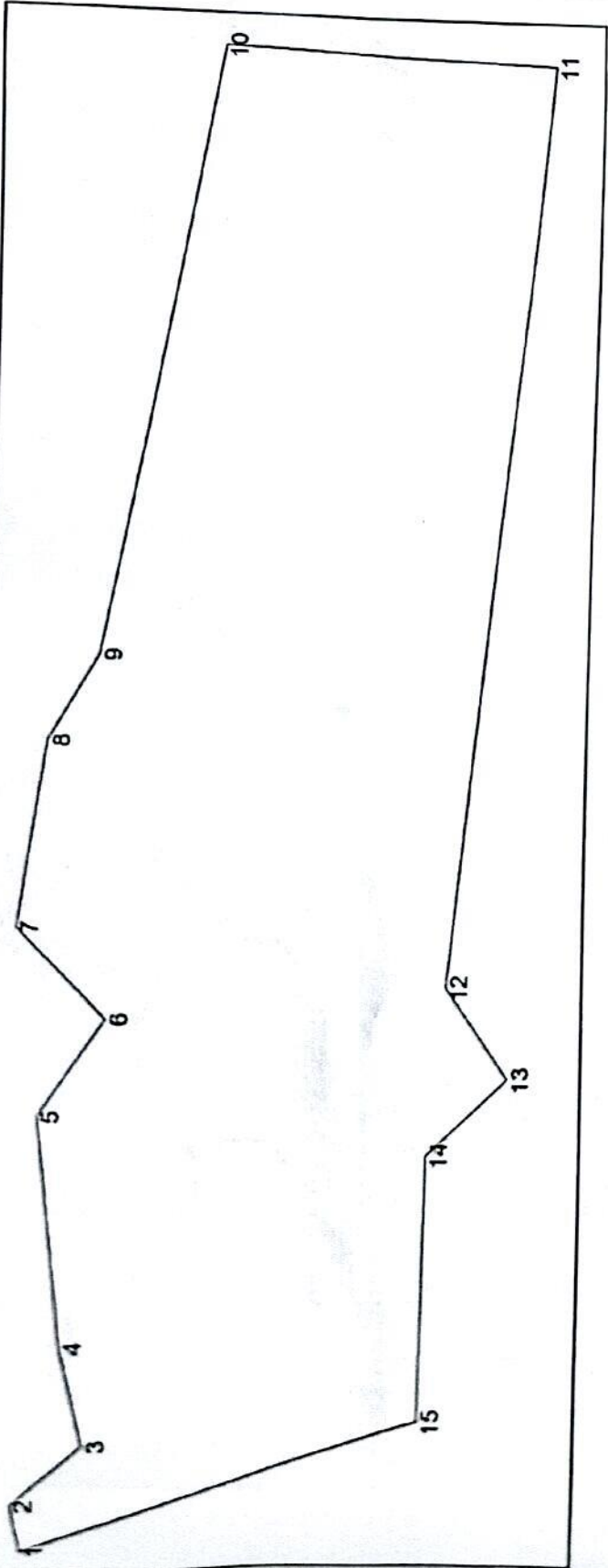
Grand Total**9221058.94**

[Signature]
Range Forest Officer
Rajura (T.)

[Signature]
उपविभागीय वन अधिकारी
राजुरा

[Signature]
Dy. Conservator of Forests
Central Chanda Division,
Chandrapur

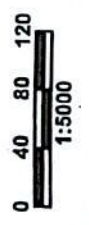
CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE-BALLARSHA, ROUND - MANORA, BEAT - VISHNUPUR
PROPOSED 25.00HA DEGREDED FOREST LAND IN C. NO. 567 FOR FOR CA GREEN FIELD AIRPORT CHANDRAPUR
DGPS MAP



Point No	Co-Ordinate	
	Longitude	Latitude
1	79:31:03.527	19:50:29.133
2	79:31:04.557	19:50:29.417
3	79:31:05.886	19:50:27.830
4	79:31:08.117	19:50:28.464
5	79:31:13.386	19:50:29.216
6	79:31:15.638	19:50:27.706
7	79:31:17.790	19:50:29.900
8	79:31:22.230	19:50:29.327
9	79:31:24.308	19:50:28.178
10	79:31:38.964	19:50:25.523
11	79:31:38.696	19:50:17.460
12	79:31:16.484	19:50:19.566
13	79:31:14.360	19:50:18.037
14	79:31:12.578	19:50:19.958
15	79:31:06.318	19:50:19.991

(Signature)

(N. R. BHOWARE)
 RANGE FOREST OFFICER
 Ballarshah Range, Ballarshah

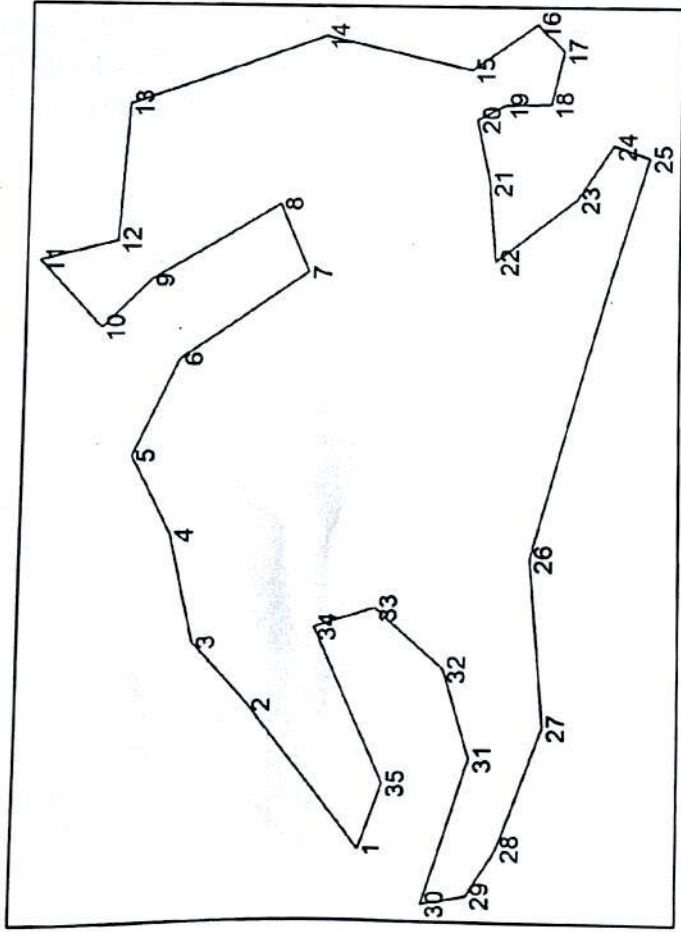


(Swetha Boddu)
 Dy. Conservator of Forests,
 Central Chanda Forest Division,
 Chandrapur

Legend

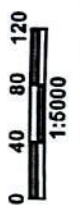
Proposed CA Boundary

CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE- BALLARSHA, ROUND - BALLARSHA, BEAT - KEM
PROPOSED 10.00HA DEGREDED FOREST LAND IN C. NO. 577 FOR FOR CA GREEN FIELD AIRPORT CHANDRAPUR
DGPS MAP



Point No	Co. Ordinate	
	Longitude	Latitude
1	79:22:40.981	19:51:27.494
2	79:22:44.225	19:51:30.065
3	79:22:45.611	19:51:31.357
4	79:22:47.966	19:51:31.910
5	79:22:49.709	19:51:32.804
6	79:22:51.893	19:51:31.774
7	79:22:53.893	19:51:28.870
8	79:22:55.443	19:51:29.557
9	79:22:53.684	19:51:32.461
10	79:22:52.594	19:51:33.562
11	79:22:54.133	19:51:34.965
12	79:22:54.580	19:51:33.233
13	79:22:57.696	19:51:33.024
14	79:22:59.285	19:51:28.574
15	79:22:58.537	19:51:25.202
16	79:22:59.588	19:51:23.705
17	79:22:58.995	19:51:23.070
18	79:22:57.753	19:51:23.362
19	79:22:57.734	19:51:24.413
20	79:22:57.393	19:51:25.053
21	79:22:55.968	19:51:24.745
22	79:22:54.156	19:51:24.574
23	79:22:55.589	19:51:22.726
24	79:22:56.827	19:51:21.901
25	79:22:56.547	19:51:21.070
26	79:22:47.462	19:51:23.692
27	79:22:43.753	19:51:23.361
28	79:22:41.051	19:51:24.357
29	79:22:39.953	19:51:25.014
30	79:22:39.750	19:51:26.035
31	79:22:43.051	19:51:25.017
32	79:22:45.019	19:51:25.641
33	79:22:46.352	19:51:27.204
34	79:22:45.915	19:51:28.597
35	79:22:42.461	19:51:26.976


(N. R. BHOWARE)
RANGE FOREST OFFICER
 Ballarshah Range, Ballarshah



(Swetha Boddu)
 Dy. Conservator of Forests,
 Central Chanda Forest Division, Chandrapur

Legend

Proposed CA Boundary

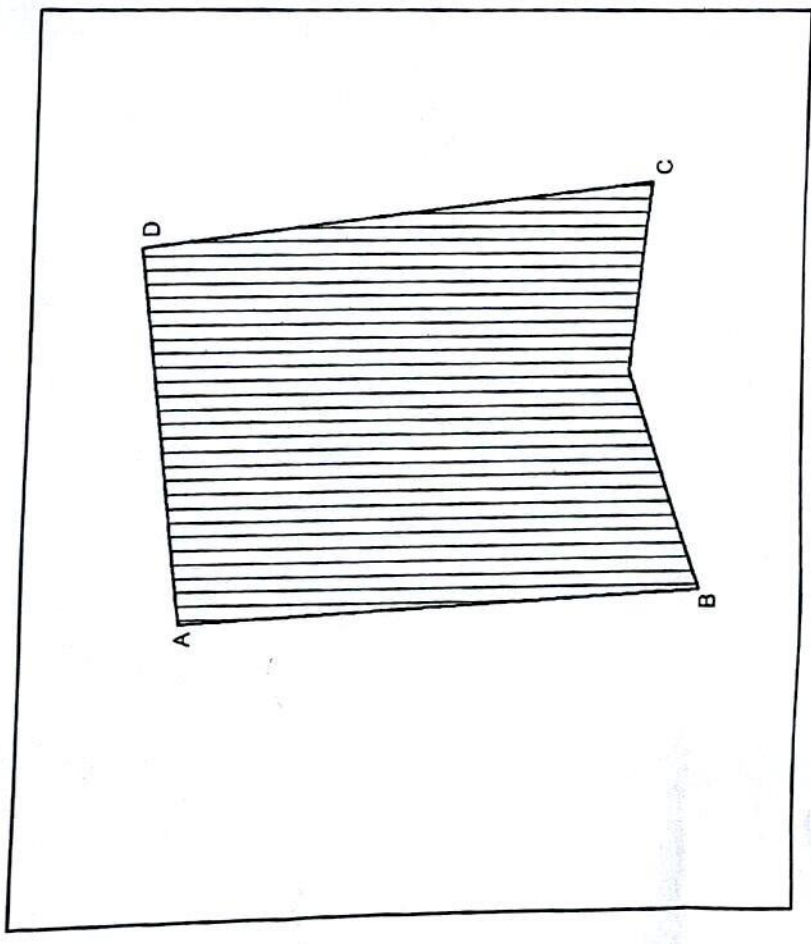
144

CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE - RAJURA ROUND - VIHIRGAON BEAT - MURTI
PROPOSED 10.00 Ha. DEGRADED FOREST LAND IN C.NO.200 FOR CA OF GREEN FIELD AIRPORT CHANDRAPUR
At. VILLAGE MURTI

DGPS MAP



1:5000



POINT NO	LATITUDE	LONGITUDE
A	19:41:35.528	79:27:27.365
B	19:41:23.617	79:27:28.064
C	19:41:24.854	79:27:36.613
D	19:41:36.652	79:27:36.613

Legend

Proposed CA Land

[Signature]
 Range-Forrest Officer,
 Rajura

[Signature]
 (Serving Extra Duty)
 Dy. Conservator of Forest
 Central Chanda Forest Division
 Chandrapur

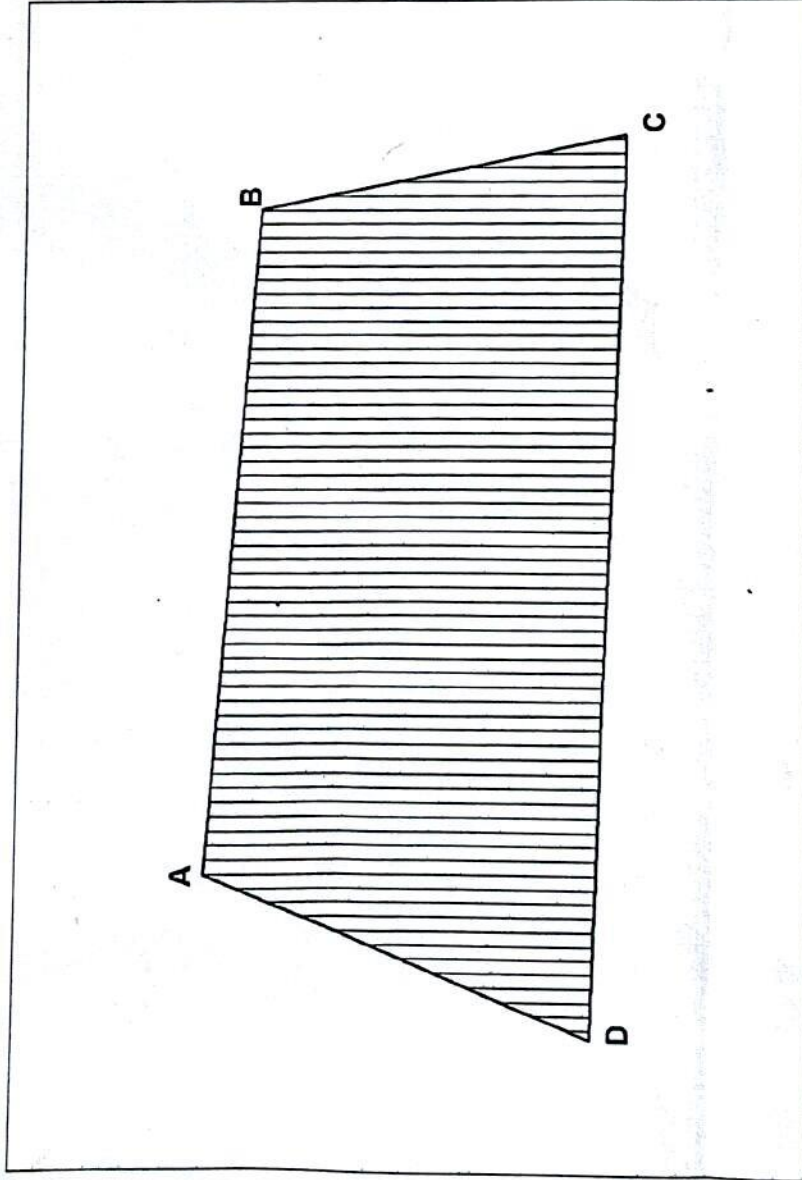
CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE - RAJURA ROUND - TEMBHURWAHI BEAT - TULANA
PROPOSED 15.00 Ha. DEGRADED FOREST LAND IN C.NO. 170 FOR CA OF GREEN FIELD AIRPORT CHANDRAPUR

At. VILLAGE JOGAPUR

DGPS MAP




1:5000





POINT NO	LATITUDE	LONGITUDE
A	19:42:42.500	79:23:53.700
B	19:42:41.394	79:24:09.881
C	19:42:32.887	79:24:11.693
D	19:42:33.516	79:23:49.737

Legend


Proposed CA Land


 एस.डी. सुरेश
 वर. विधिशास्त्र


 ए. एन. पोले
 वनरक्षक तुलाना


 वनरक्षक तुलाना
 देवुरवाही


 Range Forest Officer,
 Rajura


 Dy. Conservator of Forest
 Central Chanda Forest Division
 Chandrapur
 उपविभागीय वन अधिकारी
 राजुरा


 Dy. Conservator of Forest
 Central Chanda Forest Division
 Chandrapur

CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR

RANGE - WIRUR ROUND - DEWADA BEAT (Nijamgondi) KANDKINDI

PROPOSED 10.00 Ha. DEGRADED FOREST LAND IN C.NO. 52 FOR CA OF GREEN FIELD AIRPORT CHANDRAPUR

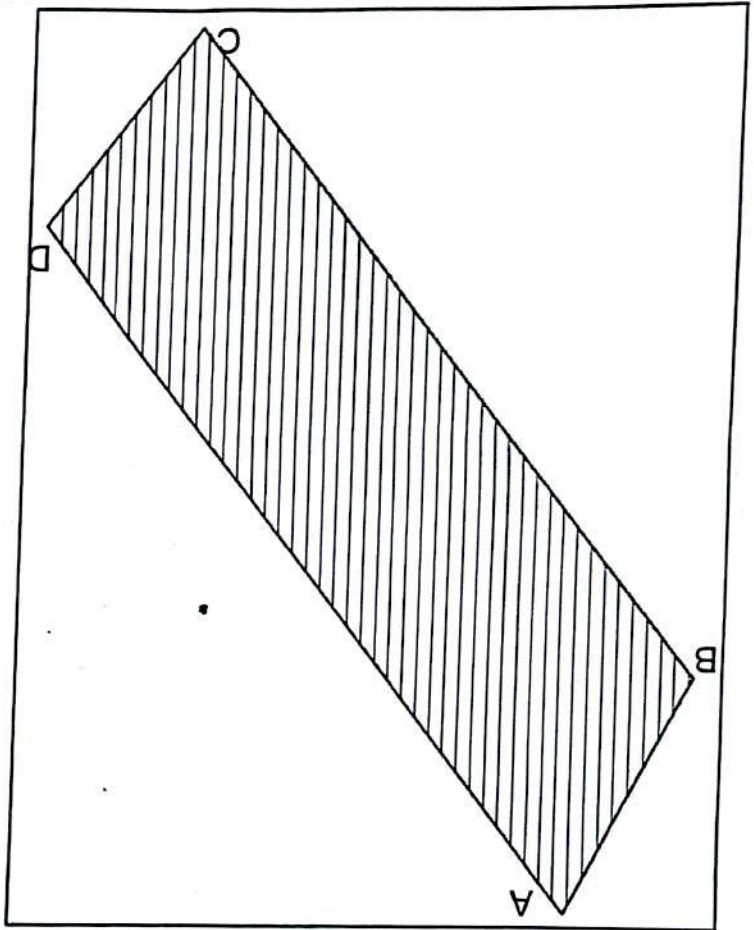
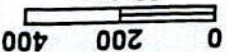
AT VILLAGE CHIKHALI BK.

DGPS MAP

Map.C-NO. 313

1:5000

Meters



POINT NO	LATITUDE	LONGITUDE
A	19:38:16.513	79:13:53.650
B	19:38:11.116	79:13:50.736
C	19:37:56.196	79:14:03.023
D	19:38:00.749	79:14:06.66

Legend

Proposed CA Land

(S. K. Bhatnagar) Dy. Conservator of Forest
Central Chanda Forest Division
Chandrapur

Range Forest Officer,
Wirur

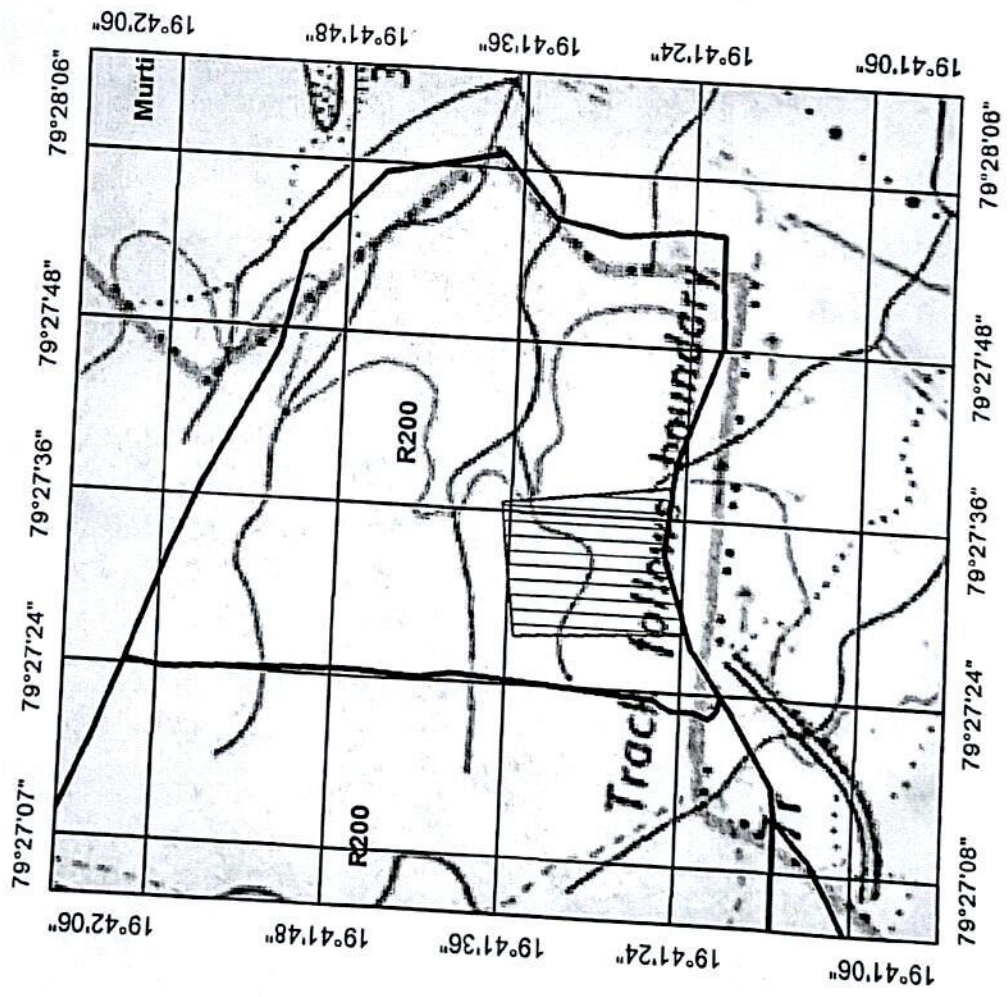
(Handwritten signatures and notes)

152

CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE - RAJURA ROUND - VIHIRGAON BEAT - MURTI
PROPOSED 10.00 Ha. DEGRADED FOREST LAND IN C.NO.200 FOR CA OF GREEN FIELD AIRPORT CHANDRAPUR
At. VILLAGE MURTI



1:15000



POINT NO	LATITUDE	LONGITUDE
A	19:41:35.528	79:27:27.365
B	19:41:23.617	79:27:28.064
C	19:41:24.854	79:27:36.613
D	19:41:36.652	79:27:36.613

Legend

- Comptt Bdy
- Propised CA Land

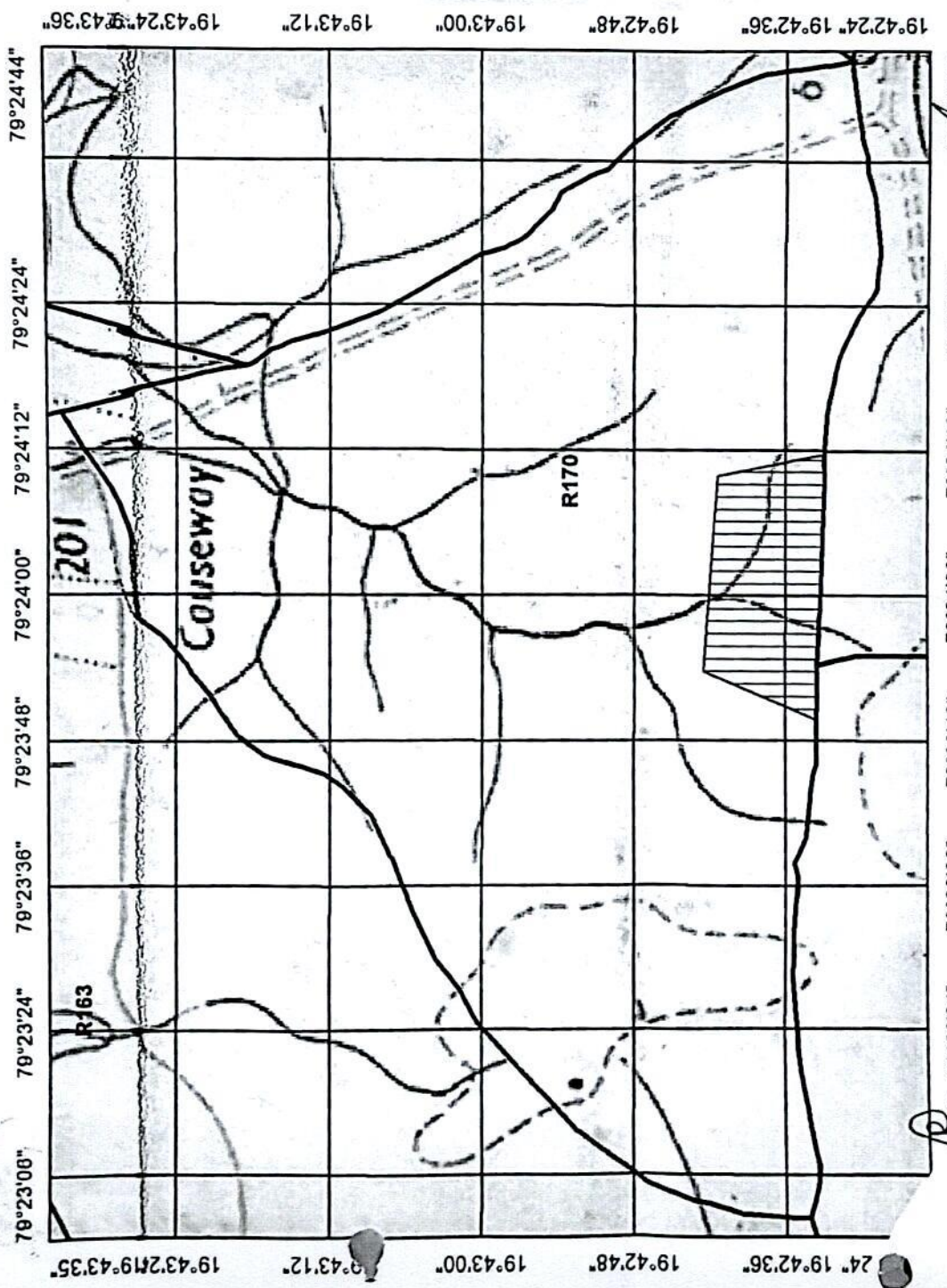
[Signature]
 Range Forest Officer,
 Rajura

[Signature]
 Dy. Conservator of Forest
 Central Chanda Forest Division
 Chandrapur

CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE - RAJURA ROUND - TEMBHURWAHI BEAT - TULANA
PROPOSED 15.00 Ha. DEGRADED FOREST LAND IN C.NO. 170 FOR CA OF GREEN FIELD AIRPORT CHANDRAPUR
AT. VILLAGE JOGAPUR



1:15000



Block No	Latitude	Longitude
A	19:42:42.500	79:23:53.700
B	19:42:41.394	79:24:09.881
C	19:42:32.887	79:24:11.693
D	19:42:33.516	79:23:49.737

Legend

- Comptt Boundary
- Proposed CA Land

Range Forest Officer,
 Rajura

Dy. Conservator of Forest
 Central Chanda Forest Division
 Chandrapur

वनक्षेत्र सहायक
 देवरवाही
 ए. एन. पाल
 वनरक्षक तुलाना

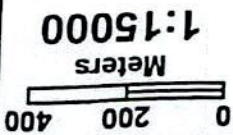
CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR

RANGE - WIRUR - ROUND - DEWADA BEAT - NIJAMGONDD KAND KOTHA

PROPOSED 10.00 Ha. DEGRADED FOREST LAND IN C.NO. 52 FOR CA OF GREEN FIELD AIRPORT CHANDRAPUR



AT VILLAGE CHIKHALI BK.

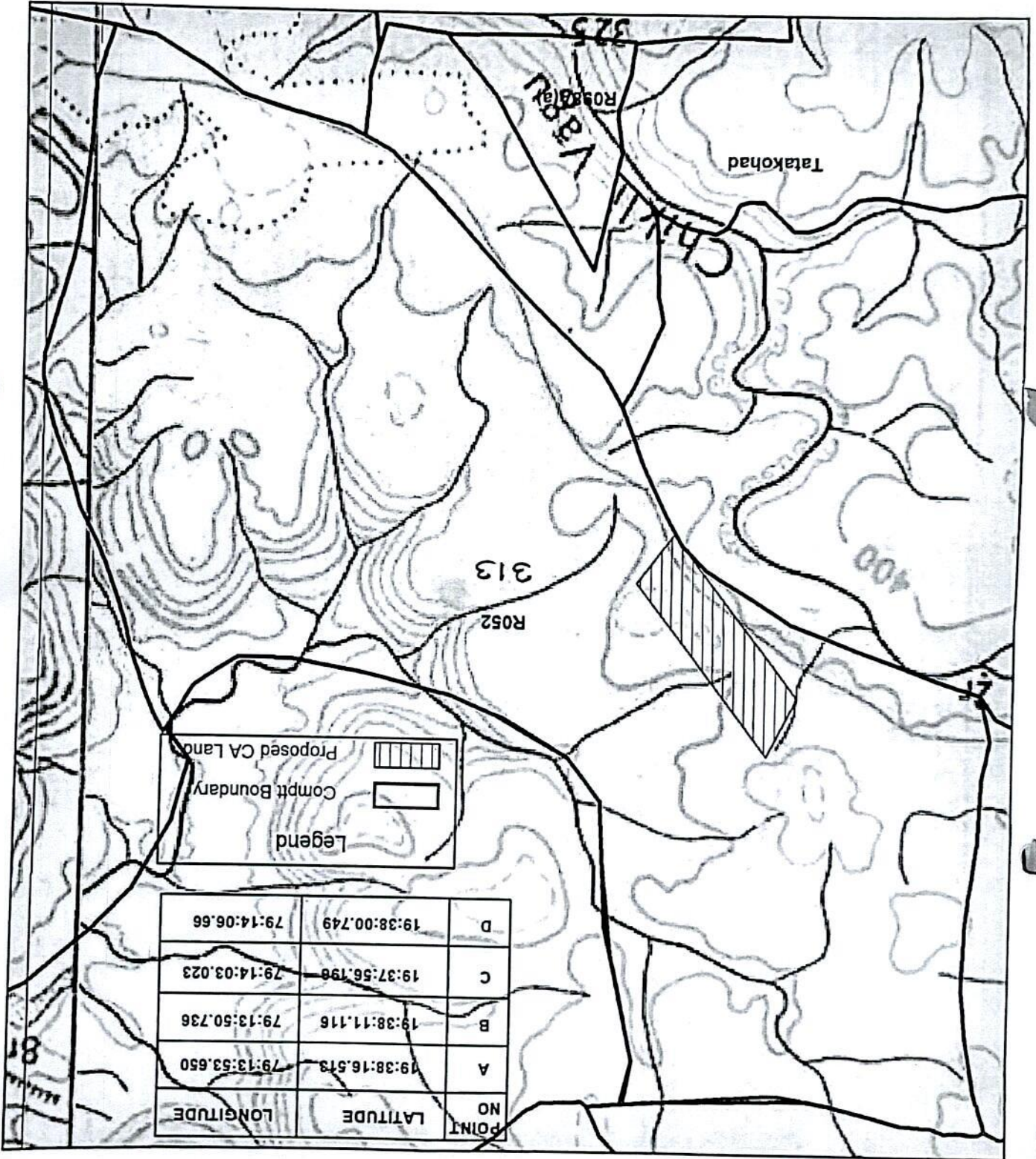
Area. c. no. 313



POINT NO	LATITUDE	LONGITUDE
A	19:38:16.513	79:13:53.650
B	19:38:11.116	79:13:50.736
C	19:37:56.198	79:14:03.023
D	19:38:00.749	79:14:06.66

Legend

-  Proposed CA Land
-  Compt Boundary



313

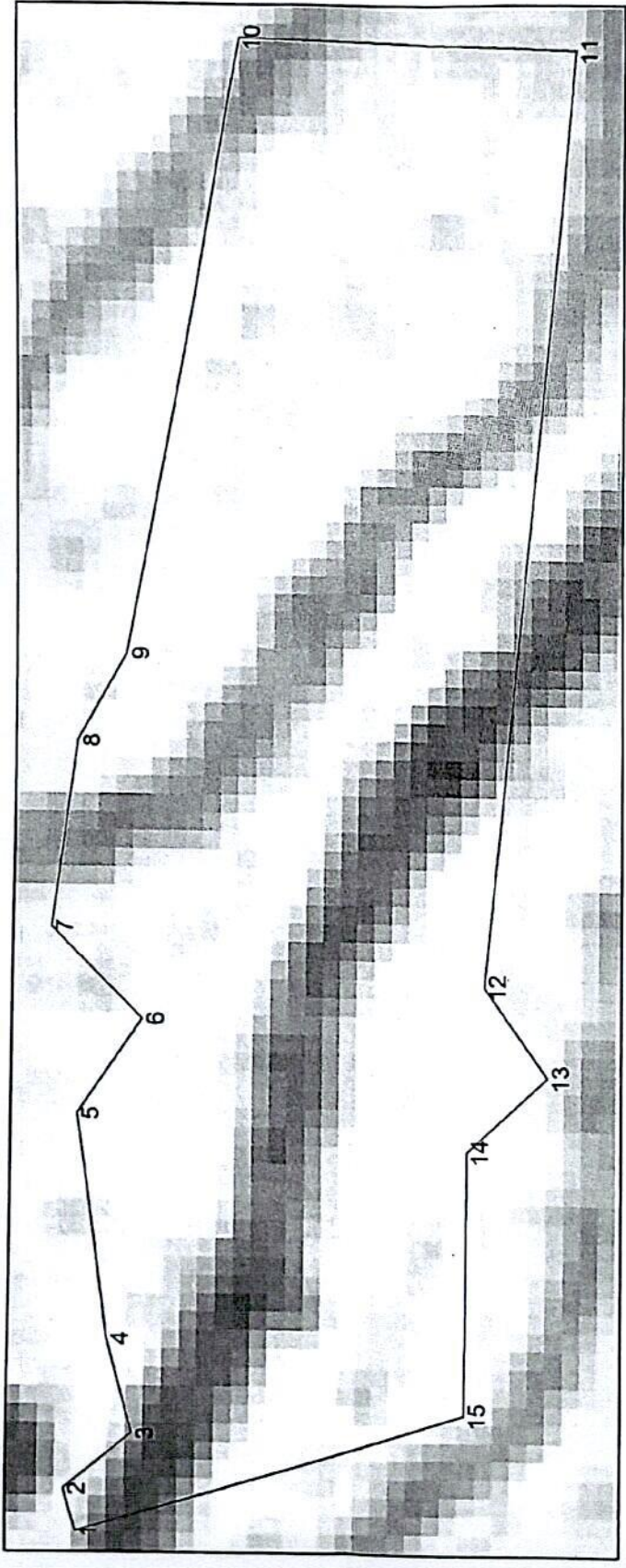
Range Forest Officer,
Wirur

Dy. Conservator of Forest
Central Chanda Forest Division
Chandrapur

313



CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE- BALLARSHA, ROUND - MANORA, BEAT - VISHNUPUR
PROPOSED 25.00HA DEGREDED FOREST LAND IN C. NO. 567 FOR FOR CA GREEN FIELD AIRPORT CHANDRAPUR.
TOPO SHEET MAP



Point No	Co.Ordinate	
	Longitude	Latitude
1	79:31:03.527	19:50:29.133
2	79:31:04.557	19:50:29.417
3	79:31:05.886	19:50:27.830
4	79:31:08.117	19:50:28.464
5	79:31:13.386	19:50:29.216
6	79:31:15.638	19:50:27.706
7	79:31:17.790	19:50:29.900
8	79:31:22.230	19:50:29.327
9	79:31:24.308	19:50:28.178
10	79:31:38.964	19:50:25.523
11	79:31:38.696	19:50:17.460
12	79:31:16.484	19:50:19.566
13	79:31:14.360	19:50:18.037
14	79:31:12.578	19:50:19.958
15	79:31:06.318	19:50:19.991


(N. R. BHOWARE)
 RANGE FOREST OFFICER
 Ballarshah Range, Ballarshah

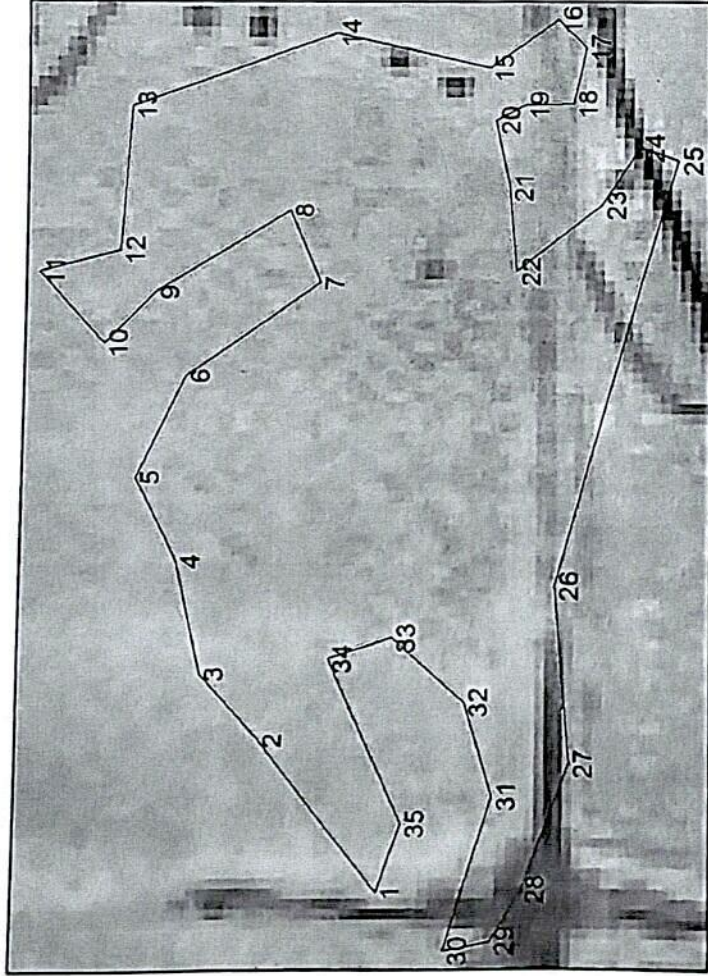

 (Syrathu Boddlu)
 Dy. Conservator of Forests,
 Central Chanda Forest Division,
 Chandrapur



Legend

Proposed CA Boundary

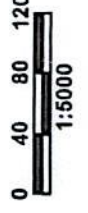
CENTRAL CHANDA FOREST DIVISION, CHANDRAPUR
RANGE- BALLARSHA, ROUND - BALLARSHA, BEAT - KEM
PROPOSED 10.00HA DEGREDED FOREST LAND IN C. NO. 577 FOR CA GREEN FIELD AIRPORT CHANDRAPUR
TOPO SHEET MAP



Point No	Co-Ordinate	
	Longitude	Latitude
1	79:22:40.981	19:51:27.494
2	79:22:44.225	19:51:30.065
3	79:22:45.611	19:51:31.357
4	79:22:47.966	19:51:31.910
5	79:22:49.709	19:51:32.804
6	79:22:51.893	19:51:31.774
7	79:22:53.893	19:51:28.870
8	79:22:55.443	19:51:29.557
9	79:22:53.684	19:51:32.461
10	79:22:52.594	19:51:33.562
11	79:22:54.133	19:51:34.965
12	79:22:54.580	19:51:33.233
13	79:22:57.696	19:51:33.024
14	79:22:59.285	19:51:28.574
15	79:22:58.537	19:51:25.202
16	79:22:59.588	19:51:23.705
17	79:22:58.995	19:51:23.070
18	79:22:57.753	19:51:23.362
19	79:22:57.734	19:51:24.413
20	79:22:57.393	19:51:25.053
21	79:22:55.968	19:51:24.745
22	79:22:54.156	19:51:24.574
23	79:22:55.589	19:51:22.726
24	79:22:56.827	19:51:21.901
25	79:22:56.547	19:51:21.070
26	79:22:47.462	19:51:23.692
27	79:22:43.753	19:51:23.361
28	79:22:41.051	19:51:24.357
29	79:22:39.953	19:51:25.014
30	79:22:39.750	19:51:26.035
31	79:22:43.051	19:51:25.017
32	79:22:45.019	19:51:25.641
33	79:22:46.352	19:51:27.204
34	79:22:45.915	19:51:28.597
35	79:22:42.461	19:51:26.976


(N. R. BHOWARE)
RANGE FOREST OFFICER
 Ballarshah Range, Ballarshah


(Swetha Boddhu)
 Dy. Conservator of Forests
 Central Chanda Forest Division,
 Chandrapur



Legend

Proposed CA Boundary