

## FORMAT-B

### CA LAND SUITABILITY CERTIFICATE UNDER FCA 1980

*(Cases where Proposed non-forest CA land cannot support the prescribed planting density of 1000 Plants per hectare and it is necessary to plant the balance number of plants in degraded forest land ( 40% canopy density) as per working plan prescriptions in accordance with Government of India FC Consolidated Guidelines and Clarifications dated 29-12-2023)*

In Compliance of the procedure established for diversion of forest land for non-forest purpose through the Forest Conservation Rules 2003 and guidelines framed under the Forest Conservation Act 1980 the following is certified.

1. The non-forest CA land parcel(s) [Table 1] proposed by Bangalore Water Supply and Sewage Board Authority (User Agency) for raising compensatory afforestation (CA) in forest land diversion proposal number FP/KA/ROAD/48609/2020 for diversion of 2.4281 hectare of forest land in Kadugodi plantation village, Bidarahalli Hobli, Bangalore East Taluk, Bangalore Urban District for construction of Kadugodi GLR (Ground Level Reservoir) has/have been inspected by me on 16.01.2024
2. The said non-forest CA land parcel is not suitable for raising compensatory afforestation in accordance with Government of India FC Guidelines No 11-423/2011-FC dated 08-11-2017 read with general FC Guidelines and in case of private party User agency, further as per Government of Karnataka order No FEE 82 FLI 2016 dated 31-08-2016.
3. It is further reported that the said land parcel has good natural vegetation and therefore CA planting cannot be taken up over the proposed land. CA Plantation is thus proposed to be taken up at alternative location in degraded forest land [Table 02] in consonance with the working plan prescriptions and as per Government of India FC Consolidated Guidelines and Clarifications dated 29-12-2023
4. The KML file, Topo Map, Geo-referenced Map & GPS readings of all corners of the proposed non forest CA land parcel(s) have been uploaded by user Agency in PART-I of the proposed are enclosed herewith.
5. The KML file, Topo Map, Geo-referenced Map & GPS readings of all corners of the proposed degraded forest land parcel(s) are enclosed in Part-II
6. The Additional remarks: - The Gross CA Degraded forest area available for raising plantation is 10 Ha but the Net CA Degraded forest area is 4.8562 Ha.

**TABLE-01 (Non –Forest CA Land)**

District, Taluk & Hobli	Village	Survey Number	Extent (Ha)	Plants/Ha proposed to be planted	Remarks about the adjacency of the proposed land parcel to a notified forest
(1)	(2)	(3)	(4)	(5)	(6)
Bangalore Rural, Doddaballapura & Tubagere	Chikkarayapanahalli	57	3.642	-	The proposed CA land parcel is nearest to the Nandi Forest area. It has good vegetation with native trees and Shrubs. Hence CA cannot be taken up over the proposed land. CA is thus proposed to be taken up at alternative location in degraded forest area mentioned in Table-02
Total			3.642	-	-

**TABLE-02 (Degraded forest land where the balance number of plants are proposed to be planted in Consonance with the working plan Prescriptions)**

Forest Division	Name of the Forest	Forest block number	District, Taluk & Hobli	Village	Survey Number	Extent (Ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Bangalore Rural	Ujjani State Forest	No.11089-Ft.F.155-95, DATED 18th JUNE 1897	Bangalore Rural, Doddaballapura and Sasalu	Hulikunte SF	01	Net Area: 4.8562 Ha Gross Area: 10 Ha
Total						Net Area: 4.8562 Ha Gross Area: 10 Ha

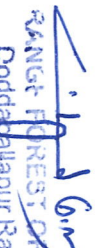
Date: 17.01.2024  
Place: Devanahalli

*Sabeena S. Ch. Jia*  
Deputy Conservator of Forests  
Bangalore Rural Division  
Devanahalli.



Indicative cost Estimate for Raising and Maintenance of CA Pit Plantation @ 1000 plants 8x12 size bags per Ha (Pit size > 0.60x0.60x0.60m) (based on KFD CSSR 2023-24) for 4.8562 Ha in degraded forest of Haliakurte SF  
Village Sy No.01, Sasalu Hobli, Doddaballapura Range, Bangalore Rural Division

SI No	Particulars	Advance work	Raising year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Grand Total
A: Advance work														
1	Advance work (Including Raising of (8"x12")	708034												708034
B: Raising of plantation														
1	Raising of plantation in advance worked area		403065											403065
2	Maintenance of seedlings before planting (8x12 size 1200pbs @Rs 7.46/each)		43473											43473
3	Raising nursery for replacement of casualties next year 10% (8x12 size 100pbs @Rs 26.29/each)		12767											12767
C: Maintenance of plantations with casuality replacement, cultural operations and manuring)														
1	Maintenance of plantation during the 1st year			208331										208331
2	Maintenance of seedlings raised for casuality replacements (8x12 size 100pbs @Rs 7.46/each)			3623										3623
D: Maintenance of plantations (with cultural operations and manuring)														
1	Maintenance of plantation during 2nd year				173366									173366
E: Maintenance of plantations (with cultural operations but without manuring)														
1	Maintenance of plantation during 3rd year													0
2	Maintenance of plantation during 4th year					142772								142772
3	Maintenance of plantation during 5th year						142772							142772
F: Maintenance of plantations (without cultural operations)								142772						142772
1	Maintenance of plantation during 6th year								42249					42249
2	Maintenance of plantation during 7th year									42249				42249
3	Maintenance of plantation during 8th year										42249			42249
4	Maintenance of plantation during 9th year											42249		42249
5	Maintenance of plantation during 10th year												42249	42249
Total (A+F)		708034	459305	211954	173366	142772	142772	142772	42249	42249	42249	42249	42249	2192220
I	Total (A+F) after taking 10% escalation cost for each year (Compounding factor at 10%)		778837	555759	282112	253823	229936	252930	278221	90568	99620	109575	120366	3184343
II Soil and moisture Conservation measures (*1.5% on total plantation cost)			477651											477651
III Resurveying and Redemarcation and other work for section 4 notification CA land (LS)			55171											55171
IV Chain link fencing (considering 200 meter average periphery)			4774252											4774252
Total Advance Work Year to 10th Year of Maintenance (I+II+III+IV)			6085911	555759	282112	253823	229936	252930	278221	90568	99620	109575	120366	8491417
Administration and supervision charge @5% of above			424568											424568
GRAND TOTAL														8915984

  
RANGE OFFICER  
Doddaballapur Range  
Doddaballapur


  
Asst. Conservator of Forests  
Doddaballapur Sub-Division  
Doddaballapur


  
Deputy Conservator of Forests  
Bangalore Rural Division  
Devanahalli.

**Data Sheet for Watering plants for 4.8562 Ha CA Plantation in degraded forest of Hulikunte SF Village Sy No.01, Sasalu Hobli, Doddaballapura Range , Bangalore Rural Division**

Sl No	CSSR Item No	Particulars	Quantity (No of Plants)	Rate/Plt/ time	Per Plt	Amount
1	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2024-2025 (10% Escalation per year against rate adopted in 2023-2024 i...e, Rs 51.720 Rate/Plt/Time)	1000	56.892	1	227568.000
2	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2025-2026 (10% Escalation per year against rate adopted in 2023-2024 i...e, Rs 51.720 Rate/Plt/Time)	1000	62.581	1	250324.800
3	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2026-2027 (10% Escalation per year against rate adopted in 2023-2024 i...e, Rs 51.720 Rate/Plt/Time)	1000	68.839	1	275357.280
4	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2027-2028 (10% Escalation per year against rate adopted in 2023-2024 i...e, Rs 51.720 Rate/Plt/Time)	1000	75.723	1	302893.008
5	41 J (ii)	Watering Plants wherever it is Feasible and possible 4 times (April & May) during 2028-2029 (10% Escalation per year against rate adopted in 2023-2024 i...e, Rs 51.720 Rate/Plt/Time)	1000	83.296	1	333182.309
<b>Total</b>						<b>1389325.397</b>

Sl No	Particulars	Extent (Ha)	Amount(Rs)
1	Watering Charges for 1Ha for 5 Years	1	1389325
2	Watering Charges for 2.4281Ha for 5 Years	4.8562	6746842

  
RANGE FOREST OFFICER  
Doddaballapur Range  
Doddaballapur

  
Asst. Conservator of Forests  
Doddaballapur Sub-Division  
Doddaballapur

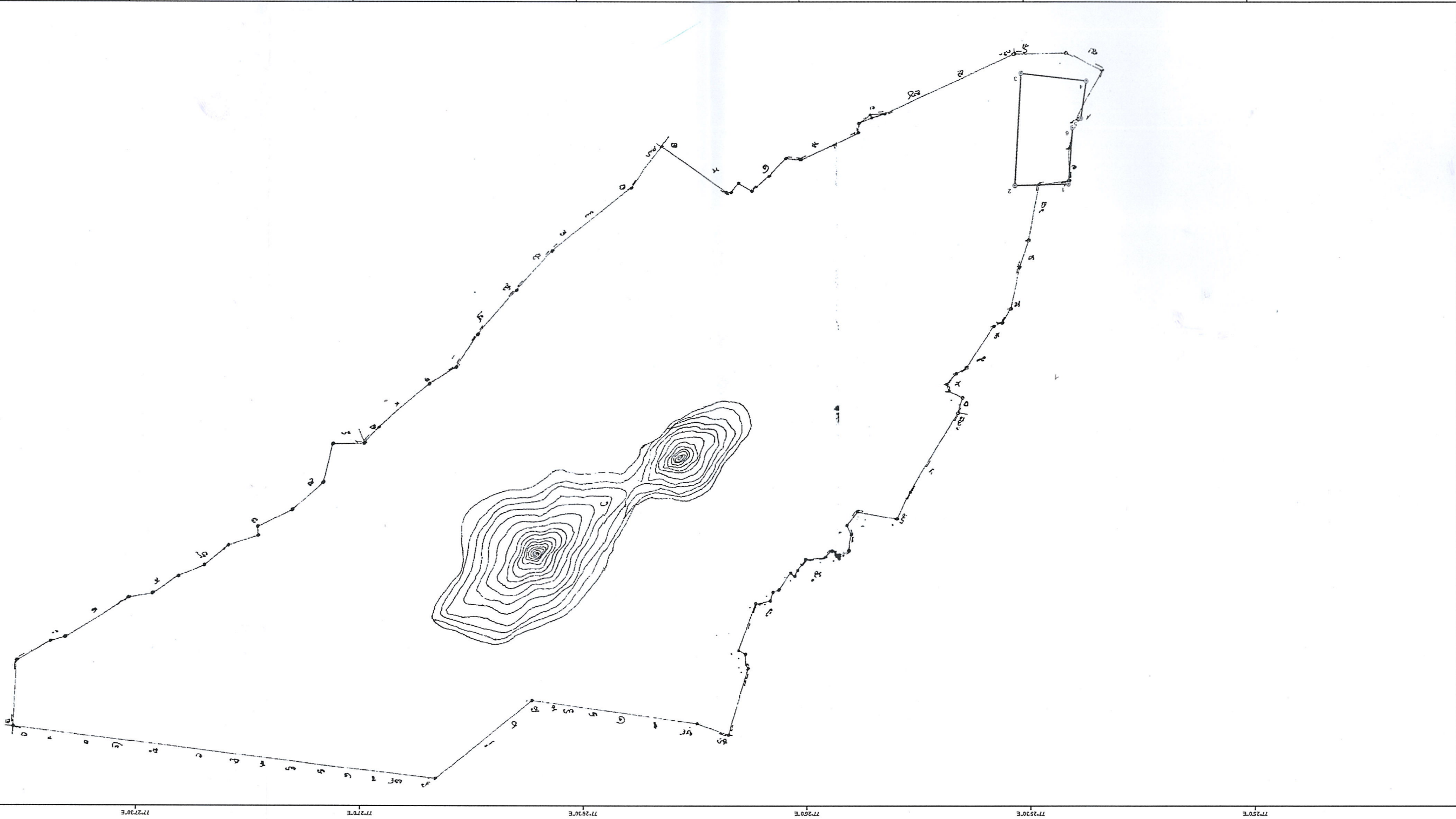
  
Deputy Conservator of Forests  
Bangalore Rural Division  
Devanahalli



# VILLAGE MAP SHOWING THE 10HA DEGRADED FOREST AREA FOR (PROPOSED 4.8562 HA) IN SY NO 1, HULIKUNTE STATE FOREST



1:7,920



DATUM: WGS84		
Sl.No	Longitude	Latitude
1	77 25.402	13 23.057
2	77 25.521	13 23.059
3	77 25.505	13 22.815
4	77 25.360	13 22.833
5	77 25.373	13 22.914
6	77 25.392	13 22.934

**RANGE FOREST OFFICE**  
Doddaballapur Range  
Doddaballapur

**Asst. Conservator of Forests**  
Doddaballapur Sub-Division  
Doddaballapur

**Deputy Conservator of Forests**  
Bangalore Rural Division  
Devanahalli.

**Legend**

• GPS POINTS

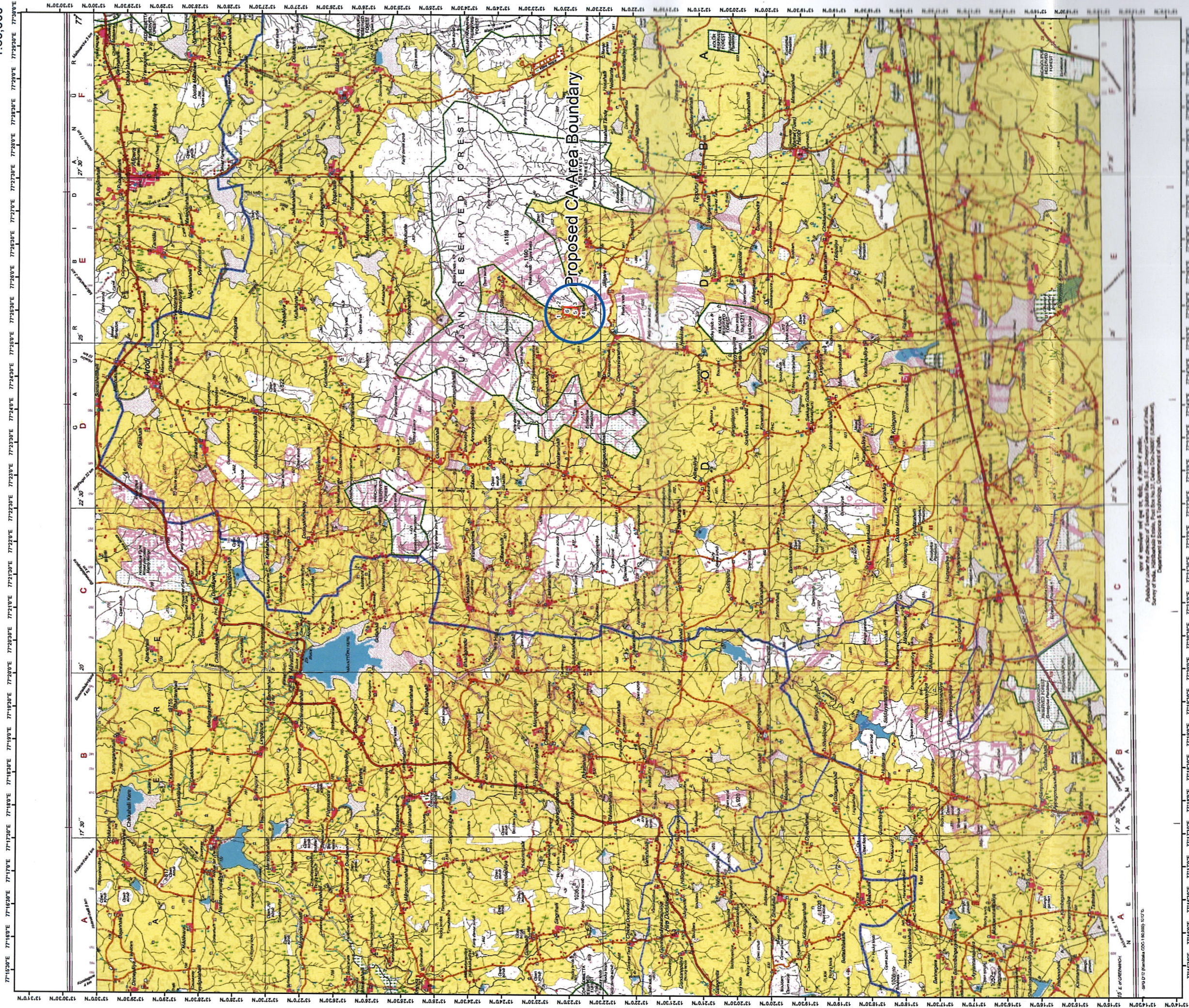
□ PROPOSED CAAREA BOUNDARY



TOPO MAP SHOWING THE 10 HA DEGRADED FOREST AREA FOR (PROPOSED 4.8562 HA) IN SY NO 1, HULIKUNTE STATE FOREST VILLAGE, DODDABALLAPURA RANGE, BANGALORE RURAL DIVISION, TOPOSHEET NO 57G07



1:50,000



DATUM:WGS84		
Sl.No	Longitude	Latitude
1	77 25.402	13 23.057
2	77 25.521	13 23.059
3	77 25.505	13 22.815
4	77 25.360	13 22.833
5	77 25.373	13 22.914
6	77 25.392	13 22.934

*[Signature]*  
RANGT FOREST OFFICER  
Doddaballapur Range  
Doddaballapur

*[Signature]*  
Asst. Conservator of Forests  
Doddaballapur Sub-Division  
Doddaballapur

*[Signature]*  
Deputy Conservator of Forests  
Bangalore Rural Division  
Bangalore

**Legend**

- GPS POINTS
- PROPOSED CA AREA BOUNDARY