

## 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 prescription in accordance with Government of India FC Guidelines F.No.11-423/2011-FC dated 08-11-2017)

In compliance of the procedure established for diversion of forestland 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 land parcel [Table 1] by Vishveshwaraiaha Jala Nigama Limited (User Agency) for raising of compensatory afforestation (CA) in forest land diversion proposal number FP/KA/CANAL/37818/2018 for diversion of 51.72 ha of forest land for construction of Tumkur Branch Canal of Upper Bhadra Project in Sy. No. 31, 32, 33, 35, 37 & 38 of Bellara village, Huliyaaru hobli, Sy. No. 128 of Thimmanhalli village, Kandikere hobli, Chikkanayakanhalli Taluk, Sy. No.19, 20 of Budigudda Kaval & Sy. No. 1 of Kanvirampura, Bukkapatna hobli, Sira Taluk, Tumakuru District have been inspected by me on dated: 22-12-2022.
2. It is reported that the said land parcel has natural growth and plantation has been already raised by Forest Department, therefore planting is not necessary. Planting is proposed to be done in degraded forest land [Table 2] in consonance with the Working Plan prescriptions. I have inspected the site on dated: 16-11-2024.
3. The KML files, Topo Maps, Geo-reference Maps & GPS readings of all corners of the proposed degraded forest land parcel are enclosed in PART-II.

TABLE-1 (Non-forest CA Land)

District, Taluk & Hobli	Village	Survey Number	Extent in A-G (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
Tumakuru, Chikkanayakanhalli, Kandikere	Maylukabbe	57	106-0 (A.G) 42.90 (ha)	-	Proposed Non-forest compensatory afforestation land is adjacent to Bukkapatna Reserve Forest
Tumakuru, Sira, Bukkapatna	Janakallu	21	22-00 (A.G) 8.90 (ha)	-	

**TABLE-2 (Degraded forest land proposed to be planted in consonance with the Working Plan Prescriptions)**

<b>Forest Division</b>	<b>Name of Forest</b>	<b>Forest block number</b>	<b>District, Taluk &amp; Hobli</b>	<b>Village</b>	<b>Survey Number</b>	<b>Extent in A-G (ha)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Tumakuru	Ankasandra Reserve Forest	R.11825-F t.-134-17-7, Dated 06 June 1918	Tumakuru, Gubbi Taluk, Hagalawadi Hobli	Nayakanahalli	4,5,7,8 & 9	301-18 (A.G) 122.00 (ha)
				Dasappanahlli	36 & 43	
				Rangapura	16 & 17	

Deputy Conservator of Forest,  
Tumakuru Division, Tumakuru.

Full Title of the Project: Diversion of 61 ha of forest land for construction of Tumkur Branch Canal in Udugere Reserve Forest (9.28 ha) of Kadur Taluk, Chikkamagaluru District and Bukkapatna Reserve Forest (51.72 ha) of Sira and Chikkanayakanhalli Taluk of Tumakuru District.

File No.: FP/KA/Canal/37818/2018

## **SCHEME FOR COMPENSATORY AFFORESTATION**

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Detail scheme for Compensatory Afforestation to be carried out in lieu of 61.00 ha., of forest area to be diverted for Construction of Tumkur Branch Canal in Udugere Reserve Forest (9.28 ha) of Kadur Taluk, Chikkamagaluru District and Bukkapatna Reserve Forest (51.72 ha) of Sira and Chikkanayakanhalli Taluk of Tumakuru District.

### **Details of degraded forest land**

District:	Tumakuru
Village:	Nayakanahalli, Dasappanahalli & Rangapura
Tehsil:	Gubbi
Name of Forest:	Ankasandra Reserve Forest
Range:	Gubbi
Block/Compartment/Survey No.	Nayakanahalli Sy. No. 4,5,7,8,9, Dasappanahalli Sy. No. 36, 43 & Rangapura Sy No. 16, 17
Area to be afforested	122.00 ha

### **1. Description of Area**

- I) Whether the site selected for Compensatory Afforestation is a land bank or not : No
- II) If the CA site is other than the land bank, reasons be given - Degraded Reserve Forest.
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary - Degraded Reserve Forest.
- IV) Soil type- Red gravel.
- V) Topography
  - a) Hilly/Undulating/Plain:- Plain
  - b) Slope: Steep/Medium/Gentle.- Gentle slope
- VI) Whether the area is bearing any root stock of vegetation :- No

## 2. Plantation Model:-

Artificial Re-generation (AR) Trench Modal size 4.00mx0.5mx0.5m, 8"x12" size plants, 1000 plants/Ha.

## 3. Schedule of Plantation Programme

Detail of year wise break up of requirements of funds is as under:-:

S. N	Particulars	Extent (in ha)	Rate /ha	Amount
1	Advance works (including raising of pbs of 8" x 12" size)	122.00	169114	20631908
2	Raising of Plantation	122.00	117672	14355984
3	Maintenance of plantation during 1st year	122.00	61066	7450052
4	Maintenance of plantation during 2nd year	122.00	52268	6376696
5	Maintenance of plantation during 3rd year	122.00	49926	6090972
6	Maintenance of plantation during 4th year	122.00	54918	6699996
7	Maintenance of plantation during 5th year	122.00	60410	7370020
8	Maintenance of plantation during 6th year	122.00	19507	2379854
9	Maintenance of plantation during 7th year	122.00	21457	2617754
10	Maintenance of plantation during 8th year	122.00	23602	2879444
11	Maintenance of plantation during 9th year	122.00	25926	3162972
12	Maintenance of plantation during 10th year	122.00	28559	3484198
	<b>Total</b>			<b>83499850</b>
13	Soil and Moisture conservation measures (15% on total plantation cost)			12524978
14	Resurveying redemarcation and other works for Section 4 notification (105345/- per 0.4 km for 1 ha. $1053345 \times 0.4 = 42138/-$ )			5140836
15	Chainlink fencing (considering 200 meter average periphery) 10 % escalation over rates adopted for 2023-24)/compound wall/stone wall/RCC pillar fencing	122 ha/ 8784 rmtr	919315	112156430
	<b>Total (1 to 15)</b>			<b>213322094</b>
16	Administration & supervision charges @ 5% of above			10666105
	<b>GRAND TOTAL (15+16)</b>			<b>223988199</b>

### 3. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

a)	General Details	Raising of miscellaneous local species plantation.
b)	Spacing:	Artificial Re-generation (AR) Trench Model, size 4.00m x 0.5m x 0.5m , 8"x12" size plants, 1000 plants/Ha
c)	Species:	<i>Syzygium sps, Hardwickia binnata, Ptero carpus maxsupum, Ficus sps, Terminalia sps etc.,</i>
d)	Plantation Method:	Trench Model
e)	Soil and Moisture Conservation Works	SMC works like Creation Waterholes, Desilting of Waterholes, Perculation of ponds, Gully checks, Boulder checks, earthen bund, Perculation trenches.
f)	Protection (Fencing, Watch man, People's Participation etc.)	Chain link mesh/CPT/Compound wall/Stone wall/RCC pillar fencing and Watch and Ward.
g)	Proposed Monitoring Mechanism	It will be maintained departmentally.
h)	Any other information	-

  
Deputy Conservator of Forests,  
Tumakuru Division, Tumakuru